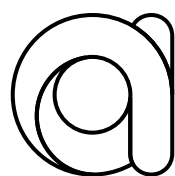


Acadience® Reading K–6 Assessment Manual



acadience®

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Welcome to Acadience® Reading K–6

Powerful Indicators for Improving Student Outcomes

Over the last two decades, general outcomes measures like Acadience Reading K–6 have changed the educational landscape—providing accurate, timely benchmark and progress monitoring information to ensure students receive targeted instructional support. Acadience Reading is a premier universal assessment system that has been embraced by educators across the country and used as a tool to help thousands of students reach their full academic potential.

What is Acadience Reading?

Acadience Reading is a universal screening and progress monitoring assessment that measures the acquisition of early literacy skills from kindergarten through sixth grade. The assessment is composed of six brief measures that function as indicators of the essential skills that every child must master to become a proficient reader. These measures are used to regularly monitor the development of early literacy skills in order to provide timely instructional support and prevent the occurrence of later reading difficulties.

By design, the Acadience Reading measures are **brief, powerful indicators** of foundational early literacy skills that:

- are **quick** and **efficient** to administer and score;
- serve as **universal screening** (or **benchmark assessment**) and **progress monitoring measures**;
- identify students in need of **intervention support**;
- evaluate the **effectiveness of interventions**; and
- support the **RtI/Multi-tiered model**.

Why use Acadience Reading?

Acadience Reading provides reliable and valid universal screening to find students who may be at risk for reading difficulties. These measures also help identify the skills to target for instructional support. Acadience Reading also provides progress monitoring measures for at-risk students while they receive additional, targeted instruction to close achievement gaps. Finally, these measures assist educators in examining the effectiveness of school-wide literacy supports.

The advantages of Acadience Reading are that it:

- directly measures foundational early literacy skills that are responsive to instruction;
- is standardized;
- is thoroughly researched, reliable, and valid;
- is designed for use within a problem-solving, Outcomes-Driven Model of decision-making;
- provides research-based benchmark goals for interpreting results; and
- is efficient and economical.

Key features of Acadience Reading include:

- empirically leveled Oral Reading Fluency passages that have been field-tested with students in school settings;
- composite score available at each grade and time of year capturing reading for meaning, at an adequate rate, with a high degree of accuracy;
- **user-friendly format with clear, concise directions and scoring rules;**
- **arrangement of items** to increase reliability of scores; and
- checklists of **common response patterns** to facilitate targeted instruction.

This Acadience Reading Assessment Manual provides:

- an overview of how Acadience Reading measures align with essential early literacy and reading skills;
- general guidelines on the administration and scoring of the Acadience Reading measures and how to interpret results;
- specific administration and scoring procedures for each measure; and
- a pronunciation guide, practice scoring sheets and answer keys, assessment accuracy checklists, and sample statements and parent letters.

Anyone who administers Acadience Reading or uses Acadience Reading scores should read this manual. The best understanding of the information in this manual will come after the reader attends training that includes practice in administering and scoring each Acadience Reading measure. Training in how to interpret the data is also important for the reader who will be interpreting the test results or using those results to make group- or student-level decisions. For more information about training, see page 21.

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Acknowledgements

The program of research and development that has culminated in Acadience Reading has been a collaborative effort among many dedicated contributors. The talents and efforts of literally thousands of individuals contributed to the successful development and completion of these measures, including Acadience Learning research scientists and staff, research colleagues from across the country, educators and school personnel, children and parents, and publishing partners.

Throughout a multi-year program of research and focused effort, these individuals provided skill, expertise, time, and unlimited energy for the research and development of Acadience Reading. Listings of those people who contributed to the research and development of these measures are included in this manual and in the Technical Manual. There are, in addition, numerous unnamed children, teachers, and school personnel to whom we owe our special thanks. These people volunteered their time to participate in the research and provided invaluable feedback and suggestions on the measures. We are deeply indebted to each and every individual for his or her contribution.

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February, 2010

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Chapter 1: Introduction to Acadience Reading

Acadience Reading is a set of measures used to assess essential early literacy and reading skills for students from kindergarten through sixth grade.

You can use Acadience Reading to:

- identify students who may be at risk for reading difficulties;
- help teachers identify areas to target instructional support;
- monitor at-risk students while they receive additional, targeted instruction; and
- examine the effectiveness of your school's system of instructional supports.

Acadience Reading is designed to be an efficient, cost-effective tool to help make decisions about reading instruction, to help the teacher provide support early, and to prevent the occurrence of later reading difficulties. Acadience Reading assesses essential early literacy and reading skills, or the skills that every child must master to become a proficient reader (National Reading Panel, 2000; National Research Council, 1998).

The Essential Early Literacy and Reading Skills

- **Phonemic Awareness:** Hearing and using sounds in spoken words.
- **Phonics:** The system of letter-sound relationships that serves as the foundation for decoding words in print.
 - *Alphabetic Principle and Basic Phonics:* The concept that printed letters correspond to the sounds of spoken words. Knowing the most common sounds of consonants and vowels and sounding out phonetically regular VC and CVC words.
 - *Advanced Phonics and Word Attack Skills:* Knowing all of the sounds for letters and letter combinations, and sounding out written words.
- **Accurate and Fluent Reading of Connected Text:** Reading stories and passages easily and confidently with few mistakes.
- **Reading Comprehension:** Understanding what is read.
- **Vocabulary and Language Skills:** Understanding and correctly using a variety of words.

An Overview of the Acadience Reading Measures

Acadience Reading comprises six measures.

1. **First Sound Fluency (FSF):** The assessor says words, and the student says the first sound for each word.

2. **Letter Naming Fluency (LNF):** The student is presented with a sheet of letters and asked to name the letters.
3. **Phoneme Segmentation Fluency (PSF):** The assessor says words, and the student says the individual sounds in each word.
4. **Nonsense Word Fluency (NWF):** The student is presented with a list of VC and CVC nonsense words (e.g., sig, rav, ov) and asked to read the words.
5. **Oral Reading Fluency (ORF):** The student is presented with a reading passage and asked to read aloud. The student is then asked to retell what he/she just read.
6. **Maze:** The student is presented with a reading passage in which some words are replaced by a multiple choice box that includes the original word and two distractors. The student reads the passage silently and selects the word in each box that best fits the meaning of the sentence.

The Acadience Reading measures were designed to be economical and efficient indicators of a student's essential early literacy and reading skills and include the following features:

- They are *standardized assessments*, which means they are administered and scored exactly the same way every time with every student. An assessment must be standardized in order to be able to compare results across students or across time or to compare student scores to a target goal.
- They include alternate forms of approximately equal difficulty so that student progress can be measured over time.
- They are brief so that students can be assessed efficiently and frequently.
- They are reliable, which means they provide a relatively stable assessment of skill across time, different forms, and different assessors.
- They are valid, which means they are measuring the essential early literacy skills they are intended to measure.
- They are sensitive to student growth over relatively short periods of time.

Acadience Reading and the Essential Early Literacy and Reading Skills

Assessing student performance on the essential early literacy and reading skills, which are also known as *core components* or *foundational skills*, can help distinguish children who are on track to become successful readers from children who are likely to struggle. Evidence shows that these skills are the basic building blocks that every child must master in order to become a proficient reader (Adams, 1990; National Reading Panel, 2000; National Research Council, 1998). Evidence also shows that these skills can be improved with instruction (Kame'enui, Carnine, Dixon, Simmons, & Coyne, 2002; Simmons & Kame'enui, 1998; Torgesen, et al., 1999).

The Acadience Reading measures are designed to be indicators of the essential early literacy and reading skills. An indicator is a brief, efficient index that provides a fair degree of certainty about a larger, more complex system or process. For example, a pediatrician measures a child's height and weight as a quick and efficient indicator of that child's physical development. Similarly, each Acadience Reading measure is a quick and efficient indicator of how well a child is doing in learning a particular essential early literacy and reading skill (see *Table 1.1*). As indicators, Acadience Reading measures are not intended to be comprehensive, in-depth assessments of each

and every component of an essential early literacy and reading skill. Instead, they are designed to measure key components that are representative of that skill area, and predictive of overall reading competence.

Table 1.1 Alignment of Acadience Reading Measures With Essential Early Literacy and Reading Skills

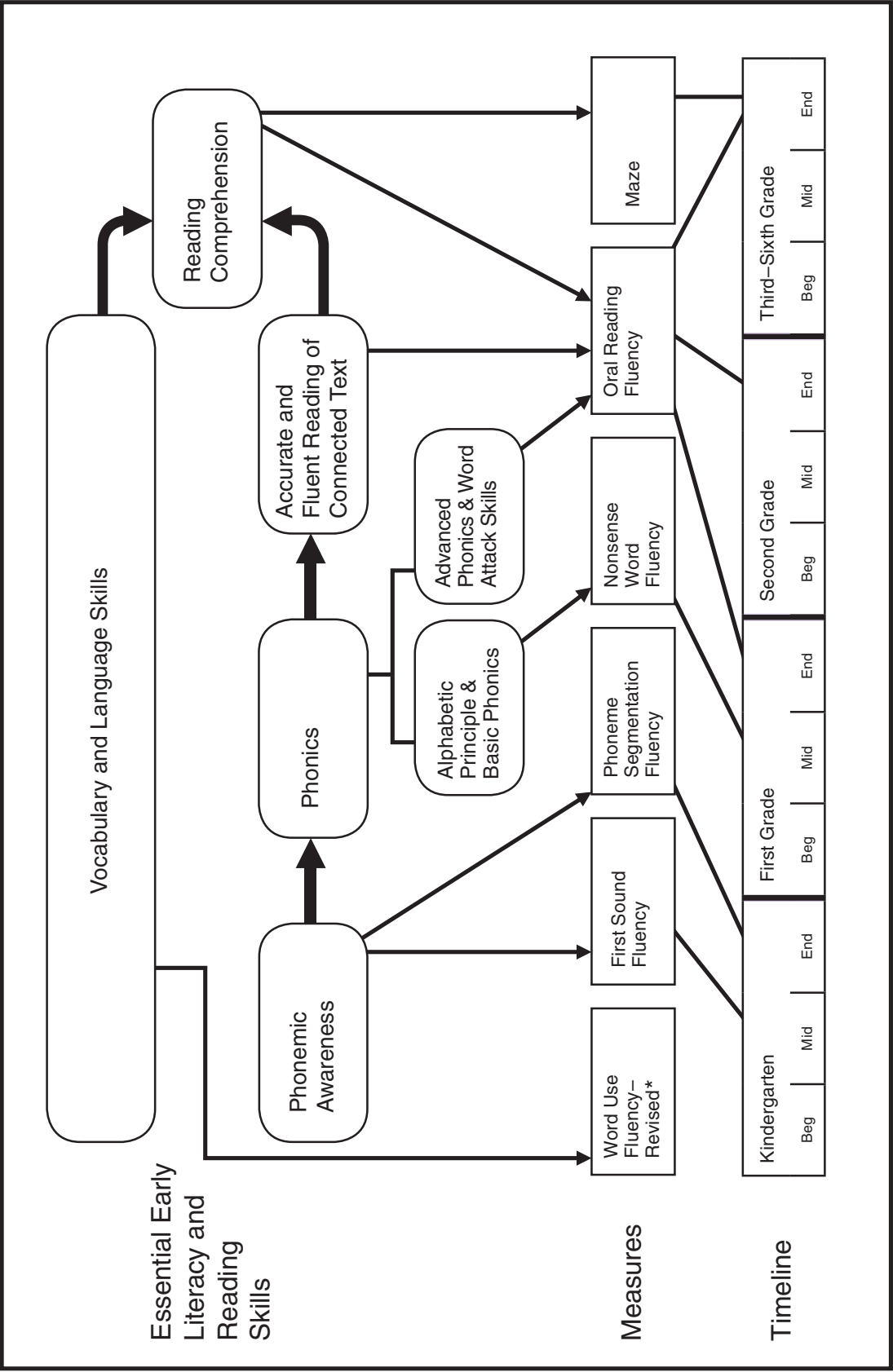
Essential Early Literacy and Reading Skills	Acadience Reading Measures
Phonemic Awareness	First Sound Fluency (FSF) Phoneme Segmentation Fluency (PSF)
Alphabetic Principle and Basic Phonics	Nonsense Word Fluency (NWF) –Correct Letter Sounds –Whole Words Read
Advanced Phonics and Word Attack Skills	Oral Reading Fluency (ORF) –Accuracy
Accurate and Fluent Reading of Connected Text	Oral Reading Fluency (ORF) –Words Correct –Accuracy
Reading Comprehension	Maze Oral Reading Fluency (ORF) –Words Correct –Retell Reading Composite Score
Vocabulary and Language Skills	Word Use Fluency-Revised (WUF-R)(Available as an experimental measure. Email info@acadiencelearning.org for more information.)

Letter Naming Fluency (LNF) is an indicator of risk included in Acadience Reading K–6 that is not directly linked to any of the essential early literacy and reading skills. Rapid automatized naming (RAN) is a task that involves quickly and accurately naming repeated sets of *familiar* items. RAN also is not linked directly to the essential early literacy and reading skills. Acadience RAN measures are offered as optional measures for users of Acadience Reading K–6 and may be used as an additional risk indicator. Additional information about Acadience RAN is provided in the *Acadience RAN Assessment Manual*. Oral Reading Fluency (ORF) is a complex measure that represents many different skills. In addition to measuring the accurate and fluent reading of connected text, ORF also looks at advanced phonics and word attack skills by examining the student’s accuracy. ORF is a good indicator of reading comprehension for most students, and the Retell component helps to identify the small number of students for whom ORF may not be a good indicator of comprehension. ORF and Maze also require adequate vocabulary and language to comprehend the content of the passages.

The model in *Figure 1.1* shows the relationships among the essential early literacy and reading skills, the Acadience Reading measures, and the timeline for achieving benchmark goals for each measure. The essential early literacy and reading skills (e.g., phonemic awareness, phonics) are represented by the rounded boxes at the top of the figure. The arrows connecting the rounded boxes show how the early literacy skills relate to one another and lead to reading comprehension. The arrows from the rounded boxes to the boxes in the middle level show the linkage between the essential early literacy and reading skills and the Acadience Reading measures.

The lines between the Acadience Reading measures and the timeline at the bottom indicate the target time of the benchmark goals for that measure. In this model, *automaticity with the code* (i.e., accurate and fluent reading of connected text) in combination with *vocabulary and language skills* provide a necessary foundation for learning reading comprehension skills. If the student does not have adequate skills in either area, the development of reading comprehension skills is likely to be compromised.

Figure 1.1 Model of Essential Early Literacy and Reading Skills, Acadience Reading Measures, and Timeline



*Experimental measure.

The model is intended to highlight the primary, most powerful, and instructionally relevant relationships. Other, secondary relations between core components are not included in this figure for clarity. For example, in addition to the relationship between phonemic awareness and phonics, there is also a reciprocal relationship between phonics and phonemic awareness. The model emphasizes this set of relationships in a prevention-oriented framework in which phonemic awareness skills can be developed very early and can provide a foundation for successful phonics instruction.

Two caveats are important to note with respect to *Figure 1.1*. First, the figure is intended to assist in organizing the developmental progression of skills and the linkage to the Acadience Reading measures and timeline. Although the core components are portrayed as distinct rounded boxes, the skills are tightly intertwined in proficient reading. Phonemic awareness and phonics skills, for example, might be taught and practiced in isolation in a designed curriculum, but instruction is not complete until the skills are integrated. A complete understanding of how words are portrayed in written English requires the integration of all core components into a coherent whole. Second, the role of systematic and explicit instruction is critical throughout this model. Acquisition and mastery of an earlier skill by itself is unlikely to result in achievement of the subsequent skill. However, a foundation of an earlier-developed skill, combined with systematic and explicit instruction in the subsequent skill, is likely to result in successful achievement.

Acadience Reading and Students With Special Needs

Acadience Reading is appropriate for most students for whom an instructional goal is to learn to read in English. For English language learners who are learning to read in English, Acadience Reading is appropriate for assessing and monitoring progress in acquisition of early reading skills. Acadience Reading has been used successfully with English language learners (e.g., Haager & Windmueller, 2001). In addition, research findings indicate that children who are English language learners can learn to read as well in English as their English-speaking peers (Chiappe, Siegel, & Wade-Woolley, 2002; Geva, Yaghoub-Zadeh, & Schuster, 2000) and, in fact, often outperform their peers in phonemic skills (Lesaux & Siegel, 2003).

Acadience Reading is also appropriate for students in special education for whom learning to read connected text is an IEP goal. For students receiving special education, it may be necessary to adjust goals and timelines and use below-grade materials for progress monitoring.

There are a few groups of students for whom Acadience Reading is not appropriate: (a) students who are learning to read in a language other than English; (b) students who are deaf; (c) students who have fluency-based speech disabilities such as stuttering and oral apraxia; and (d) students with severe disabilities for whom learning to read connected text is not an IEP goal.

Students who are learning to read in a language other than English. Acadience Reading is designed to provide information about the progress of children in acquiring literacy skills for reading in English. For children who are learning to read in languages other than English, it would be most meaningful and appropriate to assess their acquisition of reading skills in the language in which they are being instructed.

Students who are deaf. Acadience Reading measures were developed based on the research examining the process of learning to read for students with functional hearing. For most students who are deaf, the ability to use phonological representations of letters is seriously compromised (Leybaert & Charlier, 1996; Moores, 1996); therefore, the core competencies assessed by Acadience Reading—phonemic awareness and phonics—may not apply or may apply differently for students who are deaf and are learning to read. Acadience Reading would be appropriate for children with mild to moderate hearing impairments who have residual hearing and who are learning phonemic awareness and phonics skills.

Students who have fluency or oral motor speech disabilities. Speech fluency is compromised in students who stutter or have oral motor speech disabilities such as oral apraxia. Given that the nature of such disabilities is slow and/or dysfluent speech (Paul, 2001), the use of fluency-based measures for these students would not be appropriate. A professional judgment is necessary for students who stutter. Acadience Reading may be appropriate for a student who stutters if the student does not stutter while reading the Acadience Reading passages or completing other Acadience Reading activities.

Students with severe disabilities. There is a small number of students for whom learning to read connected text is not an IEP goal. For these students, it would be most meaningful and appropriate to use other assessment strategies to monitor progress toward their individual IEP goals and objectives.

How Acadience Reading Is Used

Benchmark Assessment

Benchmark assessment refers to testing all students within a school or grade three times per year for the purpose of identifying those who may be at risk for reading difficulties. Benchmark assessment is always conducted using grade-level material. The measures administered for benchmark assessment vary by grade and time of year, and include those measures that are most relevant for making instructional decisions at that time.

Progress Monitoring

Progress monitoring refers to testing students more frequently who may be at risk for future reading difficulty on the skill areas in which they are receiving instruction, to ensure that they are making adequate progress. Progress monitoring can be conducted using grade-level or out-of-grade materials, depending on the student's needs. Decisions about the skill areas and levels to monitor are made at the individual student level.

Benchmark assessment and progress monitoring are the types of assessment necessary for use within a Response-to-Intervention (RtI) model such as the Outcomes-Driven Model. For more information on benchmark assessment and progress monitoring, see *Chapter 4: Implementing Acadience Reading in Your School*.

The Acadience Reading Benchmark Administration Timeline (*Figure 1.2*) shows the measures that are administered at each benchmark assessment period.

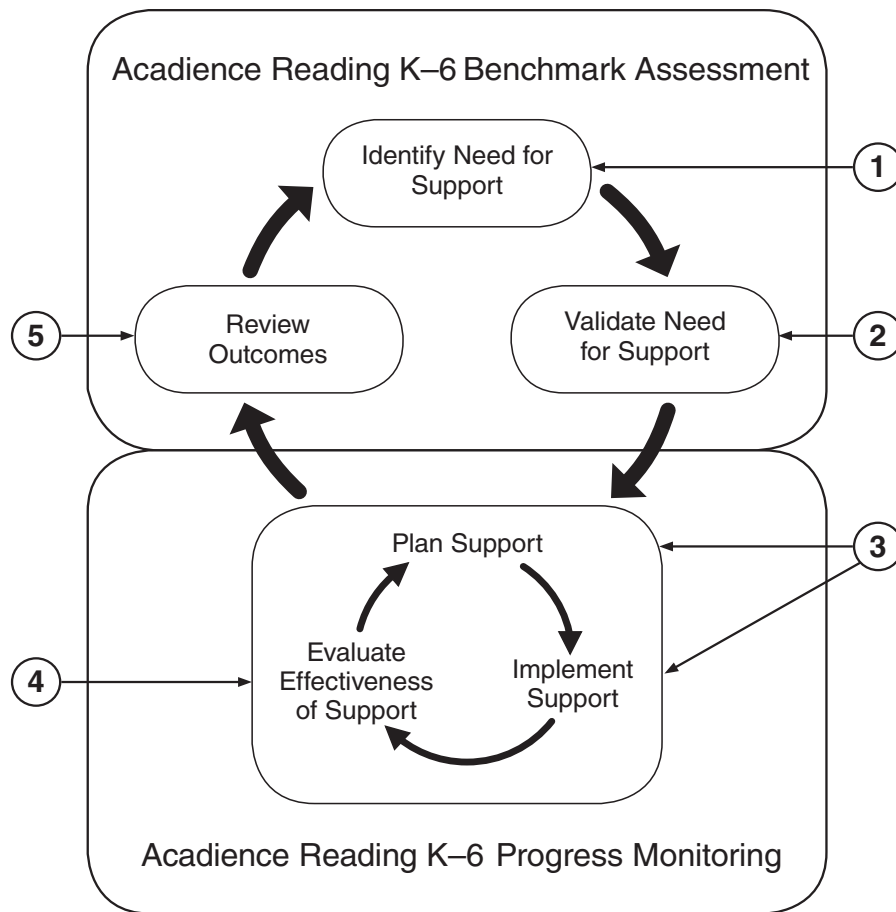
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Acadience Reading and RtI: The Outcomes-Driven Model

The Acadience Reading measures were developed to provide teachers with information they need to make decisions about instruction. The authors of Acadience Reading advocate a data-based decision-making model referred to as the Outcomes-Driven Model, because the data are used to make decisions to improve student outcomes by matching the amount and type of instructional support with the needs of the individual students.

Figure 1.3 illustrates the five steps of the Outcomes-Driven Model.

Figure 1.3 The Outcomes-Driven Model



These steps repeat each semester as a student progresses through the grades. At the beginning of the semester, the first step is to identify students who may need additional support. At the end of the semester, the final step is to review outcomes, which also facilitates identifying students who need additional support for the next semester. In this manner, educators can ensure that students who are on track to become proficient readers continue to make adequate progress, and that those students who are not on track receive the support they need to become proficient readers.

Step 1: Identify need for support early. This process occurs during benchmark assessment, and is also referred to as *universal screening*. The purpose is to identify those students who may need additional instructional support to achieve benchmark goals. The benchmark assessment also provides information regarding the performance of all students in the school with respect to benchmark goals. All students within a school or grade are tested on Acadience Reading three times per year on grade-level material. The testing occurs at the beginning, middle, and end of the school year.

Step 2: Validate need for support. The purpose of this step is to be reasonably confident that the student needs or does not need additional instructional support. Before making individual student decisions, it is important to consider additional information beyond the initial data obtained during benchmark testing. Teachers can always use additional assessment information and knowledge about a student to validate a score before making decisions about instructional support. If there is a discrepancy in the student's performance relative to other information available about the student, or if there is a question about the accuracy of a score, the score can be validated by retesting the student using alternate forms of the Acadience Reading measures or additional diagnostic assessments as necessary.

Step 3: Plan and implement support. In general, for students who are meeting the benchmark goals, a good, research-based core classroom curriculum should meet their instructional needs, and they will continue to receive benchmark assessment three times per year to ensure they remain on track. Students who are identified as needing support are likely to require additional instruction or intervention in the skill areas where they are having difficulties.

Step 4: Evaluate and modify support as needed. Students who are receiving additional support should be progress monitored more frequently to ensure that the instructional support being provided is helping them get back on track. Students should be monitored on the measures that test the skill areas where they are having difficulties and receiving additional instructional support. Monitoring may occur once per month, once every two weeks, or as often as once per week. In general, students who need the most intensive instruction are progress monitored most frequently.

Step 5: Review outcomes. By looking at the benchmark assessment data for all students, schools can ensure that their instructional supports—both core curriculum and additional interventions—are working for all students. If a school identifies areas of instructional support that are not working as desired, the school can use the data to help make decisions on how to improve.

The use of Acadience Reading within the Outcomes-Driven Model is consistent with the most recent reauthorization of the Individuals with Disabilities Education Improvement Act (IDEA), which allows the use of a Response-to-Intervention (RtI) approach to identify children with learning disabilities. In an RtI approach to identification, early intervention is provided to students who are at risk for the development of learning difficulties. Data are gathered to determine which students are responsive to the intervention provided and which students are in need of more intensive support (Fuchs & Fuchs, 2006). The Outcomes-Driven Model described in *Figure 1.3* is based on foundational work with a problem-solving model (see Deno, 1989; Shinn, 1995; Tilly, 2008) and the initial application of the problem-solving model to early literacy skills (Kaminski & Good, 1998). The general questions addressed by a problem-solving model include: *What is the problem? Why is it happening? What should be done about it? Did it work?* (Tilly, 2008). The Outcomes-Driven Model was developed to address these questions, but within a prevention-oriented framework designed to preempt early reading difficulty and ensure step-by-step progress toward outcomes that will result in established, adequate reading achievement.

History and Development of Acadience Reading

Initial research and development of Acadience Reading measures¹ was conducted in the late 1980s and early 1990s. The Acadience Reading program of research builds on measurement procedures from Curriculum-Based Measurement, or CBM (e.g., Deno & Mirkin, 1977; Deno, 1985; Deno & Fuchs, 1987), and General

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Outcome Measurement, or GOM (Fuchs & Deno, 1991). The Acadience Reading measures were designed to be economical and efficient indicators of a student's progress toward achieving a general outcome such as reading or phonemic awareness, and to be used for both benchmark assessment and progress monitoring.

Initial research on these measures focused on examining their technical adequacy for these primary purposes (Good & Kaminski, 1996; Kaminski & Good, 1996). The early versions of the measures authored by Roland Good and Ruth Kaminski were first published under the name DIBELS® in 2002. Since then, the measures have gained widespread use for monitoring progress in acquisition of early literacy skills. Prior to 2002, these measures were made available to research partners. An ongoing program of research over the past three decades has continued to document the reliability and validity of the Acadience Reading measures as well as their sensitivity in measuring changes in student performance over time.

Acadience Reading is the result of an expanding knowledge base in the fields of reading and assessment, continuing research and development, and feedback from users of these assessments. From 2006 to 2010, initial research and field-testing of the Acadience Reading measures occurred in 90 schools across the United States. A series of studies over that time period examined the reliability, validity, and utility of the measures. From 2010 to 2018, the measures underwent continued validation and refinement. See the *Acadience Reading K–6 Technical Manual* (available from www.acadiencelearning.org) for a description of the technical adequacy data on Acadience Reading and a summary of the technical adequacy data on earlier versions of these measures. Additional technical adequacy data are also available on our website under Publications and Presentations (www.acadiencelearning.org).

How Does Acadience Reading Improve on Earlier Versions of These Measures?

Empirically equated oral reading passages. All oral reading passages went through an extensive readability analysis and field-testing with actual students. Based on this empirical testing, the best-performing passages (in terms of reliability and comparability in student results) were selected for inclusion in Acadience Reading and then organized in triads in such a way as to ensure that student performance was comparable.

Materials designed for ease of use. Measures were explicitly designed and field-tested such that they can be administered and scored with ease. Wait rules, discontinue rules, and reminder prompts are embedded into the administration directions. Scoring booklets are large enough to be easily readable, and an early-reader font is used for kindergarten through second-grade materials.

Empirically field-tested directions. All of the directions that are read to the student and the reminder prompts were designed and tested so that they are explicit and facilitate student understanding of the task.

Stratification. A stratified random sampling procedure was used to improve the equivalence of the forms and to more evenly distribute items of different difficulty. This procedure increases the consistency of scores from one form to another. With stratified random sampling, items of similar difficulty appear in the same places on every form. For example, on NWF there were six difficulty/word-type categories that were distributed by design identically on each form. For instance, the first item is always an easier item, a word with a three-letter CVC pattern where both consonants occur frequently in English. For each form, the actual test items were then randomly selected from the appropriate category.

Response patterns. Measures include lists of common response patterns that the assessor can mark to help in planning instruction. These lists are located within the scoring booklets for better accessibility.

Table 1.2 describes the two new Acadience Reading measures.

Table 1.2 Key Features of Acadience Reading Measures

Measures	Description
First Sound Fluency (FSF)	• FSF provides an early indicator of phonemic awareness. FSF is easy to administer and eliminates concerns related to the use of pictures when assessing initial sounds. FSF includes production items with continuous timing. • Stratification of test items based on whether the word begins with a continuous sound, a stop sound, or a blend. • Explicit directions and reminders to facilitate student understanding of the task.
Letter Naming Fluency (LNF)	• Materials with integrated reminders to enhance the administration of the measure. • Font that is familiar to younger children. • Stratification of test items to increase equivalence and consistency of scores from one form to another. • Explicit directions and reminders to facilitate student understanding of the task. • A checklist of common response patterns to facilitate linkages to instruction.
Phoneme Segmentation Fluency (PSF)	• Materials with integrated reminders to enhance the administration of the measure. • Score form layout that facilitates scoring. • Stratification of test items to increase equivalence and consistency of scores from one form to another. • Explicit directions and reminders to facilitate student understanding of the task. • A checklist of common response patterns to facilitate linkages to instruction.
Nonsense Word Fluency (NWF)	• Materials with integrated reminders to enhance the administration of the measure. • In addition to scoring for Correct Letter Sounds (CLS), scoring for Whole Words Read (WWR) to measure the critical target skill of reading the words as whole words. • Font is familiar to younger children. • Stratification of test items to increase equivalence and consistency of scores from one form to another. • An even distribution of vowels, with each row of five items including one word with each vowel. • Explicit directions and reminders facilitate student understanding of the task and clarify that the preferred responses are whole words. The student is permitted to provide individual letter sounds or to sound out the word while learning the skills. • A checklist of common response patterns to facilitate linkages to instruction.

Table 1.2 Key Features of Acadience Reading Measures (cont.)

Measures	Description
Oral Reading Fluency (ORF)	• Field-tested empirically equated passages with consistent difficulty within each grade level. • Materials with integrated reminders to enhance the administration of the measure. • Font is more familiar to younger children in first- and second-grade passages. • Explicit directions and reminders to facilitate student understanding of the task. When administering three passages during benchmark assessment, shortened directions are provided for the second and third passages to increase efficiency. • A checklist of common response patterns to facilitate linkages to instruction.
Retell	• Included as a component of the ORF measure to indicate that the end-goal of reading is to read for meaning. • Materials with integrated reminders to enhance the administration of the measure. • Explicit directions and reminders to facilitate student understanding of the task. • A checklist of common response patterns to facilitate linkages to instruction.
Maze	• Maze provides an added indicator of comprehension in grades 3 through 6. • Can be administered in groups or individually. • Explicit directions and reminders to facilitate student understanding of the task.
Word Use Fluency–Revised (WUF-R)	• Available as an experimental measure. (Email info@acadiencelearning.org for more information.)

Chapter 2: Guidelines for Administering and Scoring Acadience Reading

The Acadience Reading measures are standardized assessments, which means every *assessor*, or person who administers Acadience Reading to students, should administer and score the measures the same way every time with every student. A standardized assessment allows you to compare results across students or across time, or to compare student scores to a target goal. A standardized administration also ensures that the research on the reliability and validity of the measure is applicable to the obtained scores.

This chapter describes the general guidelines for administering and scoring all of the Acadience Reading measures. Each measure then has its own chapter with specific administration and scoring procedures for that measure. Since every measure works a bit differently, it is important to follow the correct rules for each measure.

Standard Features of Acadience Reading Measures

The standard features of the Acadience Reading measures are:

- **Essential Early Literacy and Reading Skill:** The core component or foundational early literacy and reading skill that the measure assesses.
- **Administration Time:** The length of time for which the measure is administered, after the assessor has given directions and started the stopwatch.
- **Administration Schedule:** The grades and times of year in which the measure is administered for benchmark assessment.
- **Administration Directions:** The specific procedures to follow when administering the measure, as well as the script to say to the student.
- **When to Start the Stopwatch:** The point at which the stopwatch should be started for the measure.
- **Score:** The description of the reported score.
- **Scoring Rules:** Detailed marking and scoring procedures.
- **Reminders:** Prompts that may be given under certain circumstances. Some prompts may be given only once, others may be given as often as needed.
- **Wait Rule:** A rule for how long the student is allowed to hesitate *on an item* before the next item is presented or the student is directed to proceed.
- **Discontinue Rule:** A rule for discontinuing the measure if the student is unable to perform the task.

Some measures do not include every feature. All of the features are explained in detail in the chapter for each measure, and the beginning of each chapter includes a chart with a brief summary of main features.

Administration Guidelines

Equipment

Each assessor will need the following tools to administer Acadience Reading in addition to the testing materials:

- Pen or pencil
- Clipboard
- Stopwatch or timer

The timer used for Acadience Reading testing should: (a) be small enough to hold in the palm of the hand or attach to the clipboard; (b) track time accurately within one-hundredth of a second; and (c) be simple to operate. The timer may function as a stopwatch or as a countdown timer. A countdown timer should be one that makes a quiet, unobtrusive beep at the end of the countdown. A stopwatch should either be silent or make quiet, unobtrusive beeps when starting or stopping the timing.

Testing Environment

Acadience Reading assessment is best conducted at a small table or student desk in a relatively quiet location and at a time with minimal disruptions and noise. For example, if Acadience Reading assessment is being conducted in the classroom, it is best to use a corner of the classroom with partitions to minimize distractions, and to conduct the assessment at a time when the other students are engaged in seatwork or similar quiet activities.

The assessor should be positioned so that he/she can see the student's face and should sit near enough to the student to clearly hear what the student says. When using a desk or small table, the assessor and student might sit across from each other, and with a larger table the assessor and student might sit around the corner from each other. The assessor should hold the clipboard in such a way that the student cannot see what is being written.

Timing

It is important to time each measure according to the administration and scoring procedures for that measure. Timing allows the assessor to capture not only a student's knowledge and ability with the early literacy skills, but also the student's fluency on and confidence with the skills. A student who performs a task fluently—that is, both accurately and quickly—has learned the skill to mastery, is automatic in performing the underlying skills, and is more able to remember, maintain, and apply the skill than a student who does not. Both accuracy and fluency in early literacy skills are critical to successful reading and comprehension.

Encouragement and Reinforcement

The Acadience Reading measures are standardized assessments. What the assessor can say during testing is in bold italics in the administration procedures given in this manual. No other comments or prompts should be provided to the student as part of the testing situation. In particular, the administration scripts do not allow the assessor to tell the student if he/she is right or wrong on an item during or after the assessment; however, it is appropriate for the assessor to provide general encouragement to the student between measures (for example, between the LNF and PSF measures). It is best to reinforce the student's effort with general, non-specific statements such as, "You are working really hard."

Modeling and Practice Items

Most of the Acadience Reading measures begin with the assessor modeling the activity. Modeling is intended to clearly communicate to the student what is expected on the task, and must be presented exactly as it is stated in the administration procedures. After the model, most Acadience Reading measures then have practice items to let the student try the task, with corrective feedback to ensure he/she understands the task. The practice items and responses must be delivered exactly as they are stated in the administration procedures. The practice items and corrective feedback are intended to ensure the student understands the nature of the task and what is expected. They are not intended to teach the skill to students who have not learned the skill.

Repeating Directions or Items

If you judge that the student did not hear or understand the directions, a practice item, or a test item, you may repeat the directions or the item. If the timer is already running, the timer should continue to run while you are repeating the item. It is your responsibility as the assessor to articulate clearly and loudly enough for the student to hear. You are also responsible for ensuring that the testing environment is not too noisy or distracting, and that the student is attending adequately to the directions and items. If the student continually asks you to repeat items even when these issues have been adequately addressed, the student's hearing may need to be evaluated.

Discontinuing an Assessment

Each of the individually administered Acadience Reading measures includes a discontinue rule, as discussed previously, for students who are unable to perform the task. When following the discontinue rule, stop the measure and record a score of zero.

Invalidating an Assessment

If an error was made in administering or scoring a measure, and that error cannot be corrected without retesting the student, then the score should be discarded as invalid. Reassess the student as soon as possible using an alternate form from the progress monitoring materials. If all three ORF passages are invalidated during a benchmark assessment, then three passages from the progress monitoring materials should be used. If only one or two passages are invalidated, then select that number of progress monitoring passages to administer.

If a student refuses to participate in the testing, do not record a score. Stop the assessment and try again on another day, perhaps with an assessor who is more familiar to the student.

If you determine that the student is not able to give his/her best performance at that time, then do not test the student, or if testing has already begun, then stop the assessment. For example, the student may not be wearing glasses or a hearing aid, seems ill or particularly nervous, or an interruption occurs such as a fire drill or an announcement. Under these circumstances, do not record a score. Reassess the student at another time using an alternate form from the progress monitoring materials. As stated previously, if all three ORF passages are invalidated during a benchmark assessment, then three passages from the progress monitoring materials should be used. If only one or two passages are invalidated, then select that number of progress monitoring passages to administer.

General Scoring Guidelines

Articulation and Dialect Differences

For all Acadience Reading measures, students are never penalized for articulation or dialect differences that are part of their typical speech. For example, a student who typically says /th/ for /s/ would not be penalized on FSF for saying that the first sound in the word *see* is /th/. It is helpful for assessors to be familiar with the speech patterns of the students they assess. If a student has articulation or dialect differences that are difficult to understand, consider someone retesting the student who is more familiar with the student's articulation or dialect.

Use of the Schwa Sound

The schwa sound is the /u/ sound added to some consonant sounds. In particular, the voiced consonant sounds such as /b/, /d/, and /g/ are difficult to produce without adding a schwa, i.e., “buh” for /b/. Although teachers are encouraged to model pure production of sounds in their instruction, there is no penalty for students using the schwa sound when producing isolated consonant sounds during Acadience Reading assessment.

General Acadience Reading Reminders

Each measure includes specific reminder prompts. In addition to those reminders, there are two general reminders that apply to all individually administered measures that include written material (LNF, NWF, and ORF):

- If the student stops and it is not a hesitation on a specific item, say **Keep going**. *This reminder may be used as often as needed.*
- If the student loses his/her place, point. *This reminder may be used as often as needed.*

Response Patterns

At the end of each Acadience Reading administration, it is optional but often valuable to note student response patterns in the scoring booklet. Making a note of any noticeable or recurring student response patterns provides information about how the student performed on specific items and what types of errors were made. This information may be useful for planning instruction. These notes are especially useful if the person testing the student is different from the person who will be teaching the student.

Recording and Scoring Responses

Acadience Reading measures are designed to be recorded and scored in real time as the student is responding. At times it will be necessary to make a quick judgment about a student's response. It is important to use your best professional judgment and move on. Audio recording is not recommended. The amount of time required to listen to and score recordings afterward makes the assessment inefficient. Additionally, it is often more difficult to score from audio recordings than scoring live due to poor sound quality and background noise.

Acadience Reading measures are designed so that most students will not complete a measure within the time limit. For those few students who do, simply record the score achieved. Do not prorate the scores.

The individual chapters for each measure describe how to mark and score the student responses for that measure. The following rules apply to most Acadience Reading measures:

- An underline denotes a correct response. This rule applies to PSF and NWF.
- A slash mark denotes an incorrect response.

- When there is both a slash and an underline, the slash overrides the underline and the response is counted as incorrect.
- An “sc” written above a slashed response denotes a self-correction, and the response is counted as correct. The only exception is the Whole Words Read (WWR) score from NWF. The student receives a point for WWR only if the student’s first and only response for that word is correct and complete. For more information, see *Chapter 8*.
- When a student provides multiple responses for the same item on LNF, ORF, or Correct Letter Sounds (CLS) from NWF, the responses are treated as self-corrections and the student’s final response is scored.

Testing Materials

Acadience Reading materials are available for benchmark assessment and progress monitoring for students in kindergarten through sixth grade. Materials are available in three ways: (a) a free download version for paper and pencil users from Acadience Learning (www.acadiencelearning.org), (b) a published version for paper and pencil users available for purchase from Voyager Sopris Learning (www.voyagersopris.com), and (c) a free download version for use with Acadience Learning Online (www.acadiencelearning.org). The organization of the free download version for paper and pencil users is described below.

Benchmark Assessment Materials

Benchmark assessment materials are organized by grade, with one set for each grade from kindergarten through sixth grade. The benchmark assessment materials include:

- **Benchmark Assessment Scoring Booklet.** A Benchmark Assessment Scoring Booklet contains all the scoring forms necessary for conducting benchmark assessment at the beginning, middle, and end of the school year for that grade, except for Maze worksheets, which are included in a separate booklet. In addition to the scoring forms, a Benchmark Scoring Booklet includes the assessor directions for administering the benchmark assessments. It also includes a cover sheet on which the scores are recorded for all benchmark measures, including Maze. Each student will need one Benchmark Assessment Scoring Booklet for the year.
- **Benchmark Student Materials.** The student materials are those that the student needs to look at during testing. Student materials are used for LNF, NWF, and ORF, but not for FSF or PSF.
- **Maze Benchmark Assessment Student Worksheets.** The Maze student worksheets are the stand-alone worksheets to distribute to each student who will receive the Maze assessment. There are three different worksheets for each grade where Maze is administered (third through sixth grade) with one worksheet to be administered during each benchmark assessment, at the beginning, middle, and end of the school year. Maze benchmark assessments can be administered individually or to an entire class at once.
- **Maze Benchmark Assessment Administration Directions and Scoring Keys.** Maze directions are not included in the Scoring Booklets because it can be administered to a group of students at once, so a separate book is provided that includes the administration directions and the scoring keys. The scoring keys are used to score the Maze worksheets after collecting those worksheets from the students.

Progress Monitoring Assessment Materials

Progress monitoring materials contain alternate forms, of equivalent difficulty, of the same measures administered during benchmark assessment. Not all students will need progress monitoring. Progress monitoring materials are organized by measure, since students who need progress monitoring typically will be monitored on specific measures related to the instruction they are receiving, rather than on every measure for that grade. The progress monitoring materials include the following:

- **Progress Monitoring Scoring Booklet.** A Progress Monitoring Scoring Booklet contains the scoring forms for 20 alternate forms of a specific measure. A booklet of 20 forms is available for FSF, PSF, NWF, and each grade level for ORF. Because some students may be monitored with out-of-grade materials, the ORF booklets specify “Levels” rather than grades. In addition to the scoring forms, a Progress Monitoring Scoring Booklet includes the assessor directions for administering the assessment. It also includes a cover sheet on which the scores are recorded and may be graphed.
- **Progress Monitoring Student Materials.** The student materials are the materials that the student needs to look at during testing. Student materials are used for NWF and ORF, but not for FSF or PSF.
- **Maze Progress Monitoring Student Worksheets.** The Maze student worksheets are the stand-alone worksheets to distribute to each student who will receive progress monitoring on the Maze assessment. There are 20 different progress monitoring worksheets for each grade where Maze is administered (third through sixth grade). Because some students may be monitored with out-of-grade materials, these are referred to as “Levels” rather than grades. Maze progress monitoring assessments can be administered individually or to a group of students who are all being monitored on Maze. A separate Maze Progress Monitoring Graph is also available to record and graph the scores.
- **Maze Progress Monitoring Administration Directions and Scoring Keys.** Maze directions are not included in the Scoring Booklets because it can be administered to a group of students at once. A separate book is provided that includes the Maze administration directions and the scoring keys. The scoring keys are used to score the Maze worksheets after collecting those worksheets from the students. One book is provided for each Level, 3 through 6.

Accommodations

Assessment accommodations are used for those students for whom the standard administration conditions would not produce accurate results.

Approved Accommodations for Acadience Reading

Approved accommodations are those accommodations that are unlikely to change how the assessment functions. When approved accommodations are used, the scores can be reported and interpreted as official Acadience Reading scores (see *Table 2.1*). Approved accommodations should be used only for students for whom the accommodations are necessary to provide an accurate assessment of student skills.

Table 2.1 Accommodations Approved for Use With Acadience Reading

Approved Accommodations	Appropriate Measures
The use of student materials that have been enlarged or with larger print for students with visual impairments.	LNF, NWF, ORF, Maze
The use of colored overlays, filters, or lighting adjustments for students with visual impairments.	LNF, NWF, ORF, Maze
The use of assistive technology, such as hearing aids and assistive listening devices (ALDs), for students with hearing impairments.	All
The use of a marker or ruler to focus student attention on the materials for students who are not able to demonstrate their skills adequately without one. It is good practice to attempt the assessment first without a marker or ruler and then retest with an alternate form of the assessment using a marker or ruler if needed.	LNF, NWF, ORF, Maze

Unapproved Accommodations for Acadience Reading

Unapproved accommodations are accommodations that are likely to change how the assessment functions. Scores from measures administered with unapproved accommodations **should not** be treated or reported as official Acadience Reading scores, and cannot be compared to other Acadience Reading scores or benchmark goals.

An unapproved accommodation may be used when: (a) a student cannot be tested accurately using the standardized rules or approved accommodations, but the school would still like to measure progress for that student; or (b) a student's Individualized Education Plan (IEP) requires testing with an unapproved accommodation. Scores for a student using an unapproved accommodation can be used to measure individual growth for that student.

Examples of Unapproved Accommodations

- A student with limited English proficiency may be given the directions in his/her primary language.
- A student whose IEP requires assessments to be given untimed may be administered the Acadience Reading measures without the timing component. This would measure only accuracy, not fluency.

Acadience Reading in Braille

A special type of accommodation for students with visual impairments is to administer Acadience Reading in braille. When using an Acadience Reading measure with braille materials, the measurement of the skill being assessed would be affected by the student's fluency with braille as well as the differences between printed text and braille text. Scores for a student being tested with Acadience Reading in braille can be used to measure individual growth for that student, and can be compared to other students who are also being tested with braille Acadience Reading materials, but should not be reported as scores that are directly comparable to the print version of Acadience Reading. For information about Acadience Reading in braille, visit www.acadiencelearning.org.

Training

Acadience Reading was designed to be administered by educational professionals and other school-approved personnel, provided they have received sufficient training on Acadience Reading administration and scoring rules. Educational professionals and school personnel who will be interpreting Acadience Reading test results or using those results to make group- or student-level decisions should receive training in how to interpret that data.

It is the responsibility of the school-based administrator or other appropriate school leader to ensure that ample time is available for assessors to be trained prior to administering Acadience Reading, and the responsibility of each assessor to ensure that he/she is adequately trained and can administer and score Acadience Reading reliably, according to the standardized procedures.

A variety of training opportunities exist, provided by the authors of Acadience Reading at Acadience Learning Inc. (www.acadiencelearning.org).

Training on Acadience Reading should cover the following topics:

- Research on learning to read and the essential early literacy and reading skills
- Foundations of Acadience Reading, including the purposes, design, and uses
- Administration and scoring of each measure
- Framework and procedures for data-based decision-making

Practice opportunities should take place during and after the training. Scores from practice administrations should not be used to make decisions about students. When practicing with students, use materials that those students will not receive during actual test administration.

In order to use scores for educational decisions, the assessor must reliably administer the measures according to the rules given in this Assessment Manual. An Assessment Accuracy Checklist for each measure is available in *Appendix A*.

Appropriate Use of Acadience Reading

The Acadience Reading measures were designed for *formative assessment*, or assessment that is used to adapt teaching to meet student needs (see *Table 2.2*). Unlike high-stakes testing, which is used for decisions that have substantial consequences for students, such as retention or placement in special education, formative assessment is considered low-stakes testing because the results are used for making modifications to instruction to enhance student learning (Kaminski & Cummings, 2007).

Table 2.2 Uses of Acadience Reading

	Appropriate Uses	Inappropriate Uses
Student Level	• Identify students who may be at risk for reading difficulties • Help identify areas to target instructional support • Monitor at-risk students while they receive additional, targeted instruction	• Label, track, or grade students • Make decisions regarding retention and promotion
Systems Level	• Examine the effectiveness of a school’s system of instructional supports	• Evaluate teachers • Make decisions about funding • Make decisions about rewards for improved performance or sanctions for low performance

Test Security

Test items or copies of the Acadience Reading assessments should never be used for student instruction or practice in the classroom or at home. Such practices compromise the validity and value of Acadience Reading as measurement tools. Having students practice the tests may result in artificially high scores, which could prevent those students from receiving the instruction they need.

For further information on the appropriate use of Acadience Reading, please see the position papers from the Acadience Reading authors on Acadience Learning’s website (www.acadiencelearning.org).

Chapter 3: Interpreting Acadience Reading Data

There are four frames of reference in providing meaning for Acadience Reading scores: (a) criterion-referenced benchmark goals and cut points for risk; (b) individually referenced interpretations; (c) local norm-referenced interpretations; and (d) national norm-referenced interpretations. While all frames of reference provide valuable information about a student, the authors of Acadience Reading generally regard the criterion-referenced information as most important, followed by the individually referenced information, and then the local norm-referenced information.

These four frames of reference can be used to interpret results on individual scores and on the Reading Composite Score. The Reading Composite Score is a combination of multiple Acadience Reading scores and provides the best overall estimate of the student's reading proficiency. Because the Reading Composite Score provides the best overall estimate of a student's skills, it should generally be interpreted first. If a student earns a Reading Composite Score that is at or above the benchmark goal, the odds are in the student's favor of reaching later important reading outcomes. Some students who score At or Above Benchmark on the Reading Composite Score may still need additional support in one of the essential early literacy and reading skills, as indicated by a Below Benchmark score on an individual Acadience Reading measure (FSF, PSF, NWF, ORF, or Maze). This potential need for additional support is especially true for a student whose Reading Composite Score is close to the benchmark goal. For more information about the Reading Composite Score as well as worksheets to calculate it, see *Chapter 11* and *Appendix B*.

Criterion-Referenced Interpretations: Understanding Benchmark Goals and Cut Points for Risk

Acadience Reading provides two types of scores at each benchmark assessment period: (a) a raw score for each individual measure and (b) a composite score (the Reading Composite Score). Each of the scores is interpreted relative to benchmark goals and cut points for risk to determine if a student's score is at or above the benchmark, below the benchmark, or below the cut point for risk (well below the benchmark). Acadience Reading benchmark goals are empirically derived, criterion-referenced target scores that represent adequate reading skill for a particular grade and time of year. Benchmark goals and cut points for risk are provided for the Reading Composite Score as well as for the individual Acadience Reading measures. Benchmark goals and cut points for Acadience Reading are based on research that examines the predictive validity of a score on a measure at a particular point in time, compared to later Acadience Reading measures and external outcome assessments. A *benchmark goal* indicates a level of skill at which students are likely to achieve the next Acadience Reading benchmark goal or reading outcome. Thus, for students who achieve a benchmark goal, the odds are in their favor of achieving later reading outcomes if they receive effective core reading instruction.

Conversely, the *cut points* for risk indicate a level of skill below which students are unlikely to achieve subsequent reading goals without receiving additional, targeted instructional support. For students who have scores below the cut point for risk, the probability of achieving later reading goals is low unless intensive support is provided.

The Acadience Reading benchmark goals and cut points for risk provide three primary benchmark status levels that describe students' performance: (a) At or Above Benchmark, (b) Below Benchmark, and (c) Well Below Benchmark. These levels are based on the overall likelihood of achieving specified goals on subsequent Acadience Reading assessments or external measures of reading achievement.

At or Above Benchmark. For students who score at or above the benchmark goal, the overall likelihood of achieving subsequent reading goals is approximately 80% to 90%. These students are likely to need effective core instruction to meet subsequent early literacy and/or reading goals. Within this range, the likelihood of achieving subsequent goals is lower for students whose scores are right at the benchmark goal and increases as scores increase above the benchmark (see *Table 3.1*). A score at or above the benchmark goal indicates that the odds are in the student's favor of achieving the next goal, but it is not a guarantee. For example, if students at or above the benchmark goal have an 85% chance of meeting the next goal, that means that 15% of students in the benchmark range may not achieve that goal. Some students who achieve scores at or above the benchmark goal may still need supplemental support to achieve the next goal. It is important to attend to other indicators of risk when planning support for students, such as attendance, behavior, motivation, vocabulary and language skills, and other related skill areas.

To assist in setting ambitious goals for students, the At or Above Benchmark level is subdivided into *At Benchmark* and *Above Benchmark* levels.

- **At Benchmark.** In the At Benchmark range, the overall likelihood of achieving subsequent early literacy and/or reading goals is 70% to 85%. Some of these students, especially those with scores near the benchmark, may require monitoring and/or strategic support on specific component skills.
- **Above Benchmark.** In the Above Benchmark range, the overall likelihood of achieving subsequent early literacy and/or reading goals is 90% to 99%. While all students with scores in this range will likely benefit from core support, some students with scores in this range may benefit from instruction on more advanced skills.

Below Benchmark. Between the benchmark goal and cut point for risk is a range of scores where students' future performance is more difficult to predict. For students with scores in this range, the overall likelihood of achieving subsequent early literacy and/or reading goals is approximately 40% to 60%. In this range, a student's future performance is harder to predict. These students are likely to need strategic support to ensure their achievement of future goals. Strategic support generally consists of carefully targeted supplemental support in specific skill areas in which students are having difficulty. To ensure that the greatest number of students achieve later reading success, it is best for students with scores in this range to be monitored regularly to ensure that they are making adequate progress and to receive increased or modified support if necessary to achieve subsequent reading goals.

Well Below Benchmark. For students who score below the cut point for risk, the overall likelihood of achieving subsequent early literacy and/or reading goals is low, approximately 10% to 20%. These students are identified

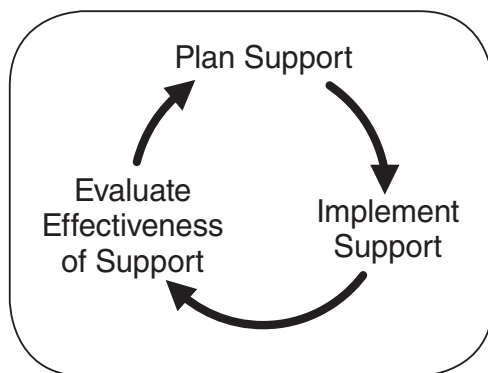
as likely to need intensive support. Intensive support refers to interventions that incorporate something more or something different from the core curriculum or supplemental support.

Intensive support might entail:

- delivering instruction in a smaller group or individually,
- providing more instructional time or more practice,
- presenting smaller skill steps in the instructional hierarchy,
- providing more explicit modeling and instruction, and/or
- providing greater scaffolding and practice.

Because students who need intensive support are likely to have individual needs, we recommend that their progress be monitored frequently and their intervention modified dynamically to ensure adequate progress (see *Figure 3.1*).

Figure 3.1 Plan, Implement, and Evaluate Support Cycle from the Outcomes-Driven Model



These progress monitoring steps from the Outcomes-Driven Model (see Figure 1.3, page 9) provide an intervention feedback loop. By planning, implementing, and evaluating the effectiveness of support in an ongoing loop, the intervention can be modified dynamically to meet the student's needs.

To gain a better understanding of what Acadience Reading results mean in a local context, districts and schools can examine the linkages between the Acadience Reading benchmark goals and cut points for risk and their own outcome assessments, such as state-level criterion-referenced tests. By comparing Acadience Reading measures to an outcomes assessment (e.g., Buck & Torgesen, 2003; Wilson, 2005), and by calculating conditional probabilities (e.g., “80% of students at benchmark on Acadience Reading ORF at the end of third grade met the Proficient level on the state criterion-referenced test”), schools can determine how the Acadience Reading benchmark goals compare to their own external criteria. The Acadience Reading benchmark and cut points for risk, along with a brief description of the Benchmark Goals Study, can be found in *Appendix C*.

Table 3.1 summarizes the design specifications for achieving later reading outcomes and provides descriptions for the likely need for support for each of the benchmark status levels. It is important to note that while there is an overall likelihood for each benchmark status level, within each level the likelihood of achieving later reading outcomes increases as students' scores increase. This is illustrated in the first column of *Table 3.1*.

Table 3.1 Student Performance Interpretations

Likelihood of Meeting Later Reading Goals	Benchmark Status	Benchmark Status Including Above Benchmark	What It Means
>99%	At or Above Benchmark <i>overall likelihood of achieving subsequent early literacy goals: 80% to 90%</i>	Above Benchmark <i>overall likelihood of achieving subsequent early literacy goals: 90% to 99%</i>	For students with scores in this range, the odds of achieving subsequent early literacy/reading goals are very good. These students likely need effective core instruction to meet subsequent early literacy/reading goals. Some students may benefit from instruction on more advanced skills.
95%		At Benchmark <i>overall likelihood of achieving subsequent early literacy goals: 70% to 85%</i>	For students with scores in this range, the odds are in favor of achieving subsequent early literacy/reading goals. The higher above the benchmark goal, the better the odds. These students likely need effective core instruction to meet subsequent early literacy/reading goals. Some students may require monitoring and strategic support on specific component skills as needed.
90%			
80%			
70%			
60%			
55%	Below Benchmark <i>overall likelihood of achieving subsequent early literacy goals: 40% to 60%</i>	Below Benchmark <i>overall likelihood of achieving subsequent early literacy goals: 40% to 60%</i>	For students with scores in this range, the overall odds of achieving subsequent early literacy/reading goals are approximately even, and hard to predict. Within this range, the closer students' scores are to the benchmark goal, the better the odds; the closer students' scores are to the cut point, the lower the odds. These students likely need core instruction coupled with strategic support, targeted to their individual needs, to meet subsequent early literacy/reading goals. For some students whose scores are close to the benchmark goal, effective core instruction may be sufficient; students whose scores are close to the cut point may require more intensive support.
50%			
45%			
40%			
30%	Well Below Benchmark <i>overall likelihood of achieving subsequent early literacy goals: 10% to 20%</i>	Well Below Benchmark <i>overall likelihood of achieving subsequent early literacy goals: 10% to 20%</i>	For students with scores in this range, the overall odds of achieving subsequent early literacy/reading goals are low. These students likely need intensive support in addition to effective core instruction. These students may also need support on prerequisite skills (i.e., below grade level) depending upon the grade level and how far below the benchmark their skills are.
20%			
10%			
<5%			

The addition of the Above Benchmark status level has not changed the benchmark goals. A benchmark goal is still the point at which the odds are in the student's favor of meeting later reading goals (approximately 60% likelihood or higher). The higher above the benchmark goal the student scores, the better the odds. For students who are already at benchmark, the Above Benchmark status level also provides a higher goal to aim for. "Overall likelihood" refers to the approximate percentage of students within the category who achieve later goals, although the exact percentage varies by grade, year, and measure (see *Appendix C*). Instructional decisions should be made based on students' patterns of performance across all measures, in addition to other available information on student skills, such as diagnostic assessment or in-class work.

Individually Referenced Interpretations: Analyzing Student Growth and Progress Over Time

In addition to information on where a student is performing relative to the benchmark goals and cut points for risk, Acadience Reading also allows interpretations based on where the student's skills are relative to the student's past performance. For example, even though a student's ORF score of 45 words correct per minute might be below the cut point for risk, the score of 45 might represent substantial progress compared to previous scores. For individually referenced interpretations, Acadience Reading results are used to examine individual student performance over time. Evaluating student growth is essential in determining whether the student is making adequate progress toward later goals. Examining student growth (i.e., progress monitoring) is also essential in Response-to-Intervention (RtI) models of service delivery and educational decision-making. Progress monitoring helps the teacher decide whether the instructional support the student is receiving is adequately addressing the student's needs, or whether changes should be made to that support.

Local Norm-Referenced Interpretations: Comparing Students Districtwide

Local norms allow a school or district to compare an individual student's performance to other students in the district. Local norms have the important advantage of being representative of the student's district. Another important advantage is that local norms can be updated yearly. If a district's population changes over time, local norms from the current year will continue to be representative of that population. Although local norms are representative of the district, they are not necessarily representative of the national population. If the average achievement in a given school is below the national average achievement score, all percentile ranks would be affected. For example, the score at the 40th percentile in a low-performing district may be at the 20th percentile in a high-performing district. Local normative comparisons also can be problematic when a small number of students are included. All students in the district should be included when determining local norms, but small districts may not have enough students for stable local normative comparisons. Most data management services for Acadience Reading data will provide local norms.

Local norms can be valuable for a district when making decisions about providing additional support for students. Districts have the flexibility of choosing a level, based on local norms, below which students are provided with additional instructional support. Districts can make this choice based on any pertinent considerations, including financial and staff resources. If a district is able to provide support to 50% of students, students may be selected for support who are at the 50th percentile or lower on Acadience Reading. If a district is able to provide additional support to only 15% of students, students can be selected who are at the 15th percentile or lower on Acadience Reading. By using districtwide local norms, students with equivalent needs in different schools can be provided with support.

For norm-referenced interpretations with Acadience Reading, descriptors for levels of performance are provided in *Table 3.2*. The performance descriptors are intended to describe the current level of skill for the student in comparison to other students in the district. They are not intended as statements about what the student is capable of learning with appropriate effective instruction.

Table 3.2 Levels of Performance

Percentile Ranges	Performance Descriptors. <i>Compared to other students in the school or district, the student's performance is:</i>
98th percentile and above	Upper Extreme
91st to 97th percentile	Well-Above Average
76th to 90th percentile	Above Average
25th to 75th percentile	Average
9th to 24th percentile	Below Average
3rd to 8th percentile	Well-Below Average
2nd percentile and below	Lower Extreme

National Norm-Referenced Interpretations: Comparing Students in a Larger Context

National norms allow a school or district to compare a student's performance to other students across the nation. The primary value of national normative information is to provide an alternative perspective on student performance. When the national norms are based on a large and nationally representative sample of students, they can provide an indication of national student achievement in early reading. For instance, if 120 words correct on ORF at the end of third grade is at the 50th percentile in local district norms and is at the 60th percentile on national norms, then the average achievement in the district is above the national average. Similarly, at an individual student level, a student might be at the 55th percentile compared to local norms but might be at the 5th percentile compared to national norms. In this context, the student might appear to be making adequate progress, but the national normative information clarifies that the student is still of concern in a larger context. Considering local norms and national norms can provide a balanced perspective on the student's skills and needs.

A disadvantage of national norms is that they may not be representative of the characteristics of students in a particular district. For example, a local district may have a very high proportion of English language learners. While the national norms may include English language learners, the proportion may or may not be representative of the local district. It is important for district and school leaders to obtain information about the norm sample and assess its relevance to their particular demographic prior to making decisions about students or overall district performance.

National norms are reported in Acadience Data Management. For more information about them, see *Acadience Reading National Norms 2014–2015* (Technical Report No. 23), available at www.acadiencelearning.org.

The Importance of Response Patterns

In addition to interpreting scores from a criterion-referenced, individually referenced, local norm-referenced, or nationwide norm-referenced perspective, the pattern of behavior that the student displays on the assessment is also important (see *Figure 3.2*). Acadience Reading measures are designed to be indicators of essential early literacy and reading skills. If the student achieves a score above the benchmark goal but does so in a way that indicates that the early literacy and reading skill has not been mastered, the student may still need additional support to be on track. For example, if a student reaches the benchmark goal on PSF but does so by rapidly segmenting words in an onset-rime pattern (/m/ /ap/, /str/ /eat/), that student may not be as likely to reach the next goal as a student who achieves the benchmark goal by correctly segmenting phonemes (/m/ /a/ /p/, /s/ /t/ /r/ /ea/ /t/). (See *Appendix D* for a pronunciation guide that shows how individual phonemes are represented on PSF). For this reason, each measure includes a checklist of common, instructionally relevant response patterns. Teachers and other specialists who interpret Acadience Reading results to provide instruction for students should review the types of responses for students in their classes. This information, in addition to the raw scores, can dramatically guide instructional strategies.

Figure 3.2 Phoneme Segmentation Fluency Response Patterns

PSF Response Patterns:

☐ Repeats word

☐ Makes random errors

☐ Says initial sound only

☒ Says onset rime

☐ Does not segment blends

☐ Adds sounds

☐ Makes consistent errors on specific sound(s)

☐ Other

An example of PSF response patterns for a student who responds with an onset-rime pattern rather than correctly segmenting phonemes.

Chapter 4: Implementing Acadience Reading in Your School

Acadience Reading assessment is conducted in two ways: benchmark assessment and progress monitoring. Benchmark assessment is the process of universally screening all students in a grade, school, or district three times per year. There are two primary purposes for conducting benchmark assessment: (a) identifying students who may not be on track to reach important reading outcomes; and (b) providing school-wide indices of status and progress. Students who are identified as not being on track during benchmark assessment are likely to need additional instructional assistance to reach future benchmark goals. Progress monitoring is the more frequent, ongoing measurement of individual student growth for students who are receiving additional instructional assistance, to ensure that those students are making adequate progress.

Conducting Benchmark Assessment

When to Test

Benchmark assessment is conducted three times per school year, at the beginning, middle, and end of the year. Recommended testing windows are shown in *Table 4.1*.

Table 4.1 Benchmark Assessment Yearly Schedule

Time of Year	Beginning of Year Benchmark 1	Middle of Year Benchmark 2	End of Year Benchmark 3
Recommended testing windows	Months 1 to 3 of the school year	Months 4 to 6 of the school year	Months 7 to 9 of the school year
Most frequent benchmark month	Month 1	Month 5	Month 9
Example benchmark schedule for a district with a September to June school calendar	September	January	May

Benchmark assessment can take place any time within the recommended testing windows. However, the times provided as examples are most closely aligned with the timing of the Acadience Reading benchmark goals.

When a school district schedules the time within that window when testing will actually take place, all testing should occur within a two- to three-week timeframe so that students have had roughly the same amount of instructional time. When scheduling benchmark assessments, it may be helpful to use the school calendar to avoid other assessments, holidays, and important school events. There should be a roughly equal amount of time between benchmark assessments, and one to two weeks after the start of school or a major break should be allowed to give students time to adjust.

Who Administers Benchmark Assessment

Any educator who has been trained on Acadience Reading administration and scoring can conduct Acadience Reading benchmark assessments. This might include classroom teachers, special educators, reading specialists, instructional assistants, principals, related service personnel such as speech/language therapists and school psychologists, counselors, central office administrators, and librarians. It is important that the data are shared with those who teach the student, regardless of who administers the testing.

Testing Approaches

Multiple approaches to conducting Acadience Reading benchmark assessment are possible. Each approach has advantages and disadvantages. Selecting an approach will depend on the resources and characteristics of a particular school or district. Three common approaches are detailed below.

Within Classroom. The within-classroom approach involves classroom teachers, and their assistants when available, conducting benchmark assessment on all of their students. Typically this approach consists of using a portion of class time each day over the designated testing window to assess students. For example, in a classroom with 25 students, the assessment could be completed in one week by assessing 5 students per day. An advantage of this approach is that classroom teachers can participate in assessing all of their students. A disadvantage is that this approach takes time away from instruction. In addition, it may promote a within-classroom as opposed to a school-wide approach to providing support to change literacy outcomes.

School-wide: One Day. The school-wide approach to conducting benchmark assessment in one day involves a large team of trained assessors. In this approach, the team assesses a class at a time, typically completing an entire class within 30 minutes. If classroom teachers participate in testing their own students, a substitute teacher or assistant may cover the classroom during that block of time. Assessors may be stationed in a central location, such as the library, or may be stationed around the school in designated assessment locations. To complete the benchmark assessment in one day, the team needs to be large enough to cycle through the school. Advantages of this approach include efficient testing and minimal disruption to instruction in each classroom. Disadvantages include the need for a large team of trained assessors, the potential for disruption to special services for the day if support staff are involved, and, if needed, funding for substitute teachers and/or additional assessors.

School-wide: Multiple Days. The multi-day school-wide approach uses a smaller team to cycle through all of the classrooms in a school. An advantage of this approach is that it requires a smaller assessment team. A disadvantage is that it takes longer overall to collect the benchmark data.

Time Required for Testing

The amount of time it will take to complete the benchmark assessment for each student will vary by grade and time of year. *Table 4.2* provides an estimate of the time required per student.

Table 4.2 Estimated Time Requirements for Benchmark Assessment

Grade Level(s)	Beginning of Year Measures	Time	Middle of Year Measures	Time	End of Year Measures	Time
Kindergarten	FSF, LNF	3 minutes	FSF, PSF, LNF, NWF	6.5 minutes	LNF, PSF, NWF	5 minutes
First	LNF, PSF, NWF	5 minutes	NWF, ORF	8 minutes	NWF, ORF	8 minutes
Second	NWF, ORF	8 minutes	ORF	6 minutes	ORF	6 minutes
Third to Sixth	ORF	6 minutes per student	ORF	6 minutes per student	ORF	6 minutes per student
	Maze	5 minutes for group testing, 1–2 minutes scoring time per worksheet	Maze	5 minutes for group testing, 1–2 minutes scoring time per worksheet	Maze	5 minutes for group testing, 1–2 minutes scoring time per worksheet

Managing Materials

The benchmark assessment will go more smoothly if the materials are prepared ahead of time. It may be helpful to assign one person in the district and at each school to manage the materials. In addition to the assessment materials listed in *Chapter 2*, each assessor will need a pen or pencil, stopwatch or timer, and a clipboard.

It is helpful to have the scoring booklets prepared ahead of time. Labels can be printed with the student name and ID number, teacher name, school, and school year ahead of time and attached to the scoring booklets. Then the booklets can be grouped by classroom for efficient use on the day of assessment.

Ensuring Accurate Results

In order to interpret the results of testing and use that data to make decisions about instruction, it is important that the measures are administered and scored correctly. To ensure the accuracy of the data, the following steps can be taken:

- All assessors must be trained as detailed on page 21 of *Chapter 2*, and should practice until they can reliably administer the measures according to the rules given in this manual. *Appendix A* includes Assessment Accuracy Checklists that can be used during practice to check the assessor's accuracy.
- The administration and scoring procedures detailed in this manual should be reviewed before each benchmark period, with periodic accuracy checks for all assessors.
- Shadow-scoring is one way to be sure that each assessor is giving and scoring Acadience Reading according to the standardized procedures. Shadow-scoring involves two assessors working with a student at the same time. One assessor interacts with the student and administers the measures while the other is simultaneously timing and scoring, using the Assessment Accuracy Checklists to provide constructive feedback. At the end of the assessment, the two assessors compare timing and scores. A general guideline is that both assessors should be within 2 points of each other on each score. This manual serves as a reference to resolve any disagreement.

- To ensure that the scores used for decision-making are the scores that students actually received, check that the scores were calculated correctly and entered into the data management system correctly. It is recommended that approximately 10% of student booklets be rescored to check for accuracy, and that 10% of the scores on the booklets are checked against the scores entered in the system.

Establishing Rapport

An assessor who is unfamiliar to the student being tested may engage the student in a brief conversation prior to the assessment. This helps put the student at ease and provides a brief sample of language to identify articulation errors. The assessor should also make eye contact with the student during the assessment. Although the directions must be read verbatim, they should be read in a friendly tone of voice, and not a monotone. The priority is to follow standard procedures while still getting the best possible performance from the child. Be sensitive to any needs or issues that may come up for the student during the assessment.

Measures Used in Benchmark Assessment

Benchmark assessment includes a number of different measures based on the grade and time of year, and is always administered using grade-level materials. The measures to administer are identified on the cover page of the benchmark scoring booklet (see *Figures 4.1* and *4.2*). For all measures except Maze, scoring forms are included in the scoring booklet for that grade, and student materials are available as separate sheets. For Maze, students fill out separate worksheets. The benchmark time periods are identified by a number and a label. Benchmark 1 is used at the beginning of the school year and is identified as Beginning; Benchmark 2 is used in the middle of the school year, and is identified as Middle; and Benchmark 3 is used at the end of the school year, and is identified as End. Note that for ORF, three passages are administered for each benchmark assessment, and the median (middle) score is recorded. Using the median score from three passages gives the best indicator of student performance over a range of different text and content.

In most cases, the Acadience Reading benchmark measures that are individually administered should be given to a student in a single sitting in the order in which they appear in the scoring booklet. If a student has difficulty focusing for the amount of time necessary to complete all measures, it may be necessary to assess the student in multiple sessions. Maze can be administered to an entire class at once, and can be given before or after the students have been tested on the other measures.

Data Management and Reporting

After the benchmark testing is complete, the data should be organized so that educators can access and use the results easily. It is useful to collect benchmark data only if they are then used for planning instruction. The first step is to record the scores on the cover page of the scoring booklet for easy access. The next two pages show examples of how to record student information and scores on the cover pages of the benchmark scoring booklets.

Figure 4.1 Example of a First Grade Benchmark Scoring Booklet Cover Sheet

grade 1

acadience®
reading k–6

Name: Samantha

Student ID: 447523 School Year: 2018-2019

Teacher: Smith

School: Glenoaks Elementary

Benchmark Assessment

First Grade Scoring Booklet

		1 Beginning	2 Middle	3 End
Date		9/14/18	1/21/19	5/15/19
LNF		54		
PSF		33		
NWF	CLS	24	48	65
	WWR	0	7	13
ORF (Circle the median score)	Passage		1 2 3	1 2 3
	Words Correct		(13) 15 12	(42) 40 64
	Errors		(10) 8 11	6 4 (5)
	Accuracy		57%	89%
	Retell			20 (32) 47
	Retell Quality			2 (2) 3

Figure 4.2 Example of a Fourth Grade Benchmark Scoring Booklet Cover Sheet

grade 4



acadience
reading k–6

Name: Max

Student ID: 447126 School Year: 2018-2019

Teacher: Johnson

School: Glenoaks Elementary

Benchmark Assessment

Fourth Grade Scoring Booklet

		1 Beginning			2 Middle			3 End		
Date		9/12/18			1/19/19			5/13/19		
ORF (Circle the median score)	Passage	1	2	3	1	2	3	1	2	3
	Words Correct	112	97	101	118	106	117	136	129	120
	Errors	3	4	2	0	4	2	1	0	2
	Accuracy	97%			98%			99%		
	Retell	35	30	21	32	24	37	35	40	30
	Retell Quality	3	3	2	3	3	4	3	4	3
Maze	Correct	20			24			27		
	Incorrect	2			1			0		
	Adjusted Score	19			24			27		

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Revised 10/15/18

The next step is to record the results in a data management system that can then summarize and report the data in way that is useful for teachers and administrators. Options include organizing results in a table or spreadsheet, or using a web-based data management service that allows for entry and reporting of Acadience Reading scores. An advantage of a data management service is that, once the student scores are entered, reports are available immediately at the district, school, grade, classroom, and individual student levels. It is important to use a data management system that provides results quickly and presents those results in ways that help teachers and administrators make decisions about instruction. Data management can be accomplished through two data management services from the authors of Acadience Reading. Acadience Data Management, the legacy data

system for paper and pencil administration, provides educators the option to manually enter data and generate reports. Acadience Learning Online, a new online test administration and data system, allows educators the ability to assess students and immediately see results in an intuitive dashboard interface. Learn more about these data management options at www.acadiencelearning.org.

Conducting Progress Monitoring

Progress monitoring is the practice of testing students briefly but frequently on the skill areas in which they are receiving instruction, to ensure that they are making adequate progress. Progress monitoring is conducted with students who are not on track with the essential early literacy and reading skills at the time of the Acadience Reading benchmark assessment. Progress monitoring is designed to ensure that the instruction students are receiving is helping them make adequate progress to attain the benchmark and/or their reading goals. The purposes of progress monitoring are to:

- provide ongoing feedback about the effectiveness of instruction,
- determine students' progress toward important and meaningful goals, and
- make timely decisions about changes to instruction so that students will meet those goals.

Monitoring student progress toward instructional objectives is an effective and efficient way to determine if the instructional plan is working. Ongoing progress monitoring allows teachers to make data-based decisions about the effectiveness of their instruction. Instruction can be modified or changed in a timely manner instead of waiting months to find out whether the student reached the goal. When teachers use student progress monitoring data to inform instruction, students' learning improves (Fuchs, Deno, & Mirkin, 1984).

The standardized procedures for administering an Acadience Reading measure apply when using Acadience Reading for progress monitoring.

Acadience Reading and Progress Monitoring

Acadience Reading was designed specifically for screening and progress monitoring. The Acadience Reading measures are designed to be used frequently and are sensitive enough to detect student learning and growth over time. The skills that are measured by Acadience Reading are the *essential early literacy and reading skills*—those skills that should be the emphasis of reading instruction. Essential early literacy and readings skills are predictive of future reading outcomes, are teachable, and when students acquire these skills their reading outcomes improve.

Using Acadience Reading for progress monitoring is efficient because the same assessment can be used for both progress monitoring and benchmark assessment. After conducting a benchmark assessment with Acadience Reading, a great deal is known about the skills on which a student may need instructional support. Progress monitoring on the skills that are the focus of instruction provides teachers with an indicator of the effectiveness of that instruction.

Progress monitoring is an important component of a Response-to-Intervention (RtI) or Multi-Tiered System of Support (MTSS) databased decision-making model. RtI and MTSS models, such as the Outcomes-Driven Model described in this manual, are used to improve student outcomes by matching the amount and type of instructional support with the needs of the individual students.

Acadience Reading Progress Monitoring Materials

When conducting progress monitoring with an Acadience Reading measure, the same administration and scoring procedures that are used for benchmark assessment are followed.

Unlike the benchmark assessment materials, which are arranged by grade, the progress monitoring materials are arranged by skill and measure. A Progress Monitoring Scoring Booklet contains 20 alternate scoring forms for a measure, as well as a cover sheet on which the scores may be recorded and graphed. Progress Monitoring Scoring Booklets are available for:

- First Sound Fluency (FSF)
- Phoneme Segmentation Fluency (PSF)
- Nonsense Word Fluency (NWF)
- Oral Reading Fluency (ORF) Level 1
- Oral Reading Fluency (ORF) Level 2
- Oral Reading Fluency (ORF) Level 3
- Oral Reading Fluency (ORF) Level 4
- Oral Reading Fluency (ORF) Level 5
- Oral Reading Fluency (ORF) Level 6

Maze progress monitoring materials are organized similarly, with the exception that students fill out the Maze worksheets themselves, rather than the assessor marking a scoring form. In the download version of Acadience Reading, 20 alternate Maze worksheets are available per grade and can be produced as individual worksheets or in a booklet. In the published version of Acadience Reading, the first 10 Maze progress monitoring worksheets are provided in a Maze Progress Monitoring Student Booklet. The other 10 worksheets per grade are available for download from Acadience Learning at www.acadiencelarning.org. Maze progress monitoring materials are available for:

- Maze Level 3
- Maze Level 4
- Maze Level 5
- Maze Level 6

ORF and Maze “levels” correspond to the grade level of the passages. The ORF and Maze progress monitoring materials use the term “level” rather than “grade” because some students may be monitored with out-of-level or out-of-grade materials.

Note that for ORF, while three passages are administered during benchmark assessment, a single passage is sufficient for progress monitoring, given that instructional decisions are based on the pattern of performance over at least three test administrations over time.

Letter Naming Fluency (LNF) does not include progress monitoring materials because letter naming is not considered an essential early literacy and reading skill. While letter naming fluency in preschool and kindergarten is a strong predictor of future reading skills, for students who are struggling to learn to read, it is their knowledge of letter *sounds* and the ability to apply that letter-sound knowledge to decode words that is most highly related to reading outcomes.

Progress Monitoring Procedures

Selecting Students for Progress Monitoring

We recommend that students who score below the benchmark goal on one or more measures and who are determined to need additional instructional support to achieve early literacy and reading goals receive progress monitoring assessment in the targeted areas that are the focus of instruction or intervention. Teachers may also choose to monitor other students if there are concerns regarding their skills and/or progress. For example, if a student has met the benchmark goal but has highly variable performance, poor attendance, or behavioral issues, the teacher may choose to monitor that student, particularly if the student's score is just barely above the benchmark goal.

Any student whose essential early literacy and reading skills are not on track for attaining future reading outcomes is a potential candidate for focused, differentiated small-group instruction, the intensity of which should match the need for support. When teachers provide additional targeted instructional support on essential early literacy and reading skills, we recommend that they use progress monitoring to gauge the effectiveness of the instructional supports provided.

If many students within a classroom or grade score below or well below the benchmark goal, it may be more beneficial to focus first on analyzing and improving the core reading instruction that all students receive rather than expending resources on progress monitoring all those students.

Decisions about the number of students to monitor at one time are based on local needs, resources, and priorities.

Selecting Acadience Reading Measures for Progress Monitoring

In most cases, progress monitoring will be conducted using one measure at a time, which should represent the student's instructional level of the skill area targeted for instruction. In some cases, it may be appropriate to monitor a student using more than one Acadience Reading measure, in particular for students who are monitored in out-of-grade materials. For example, a second-grade student might be monitored once per week with NWF and once per month with first grade ORF as a way to track acquisition of the alphabetic principle and the application of those skills to connected text.

Students should be monitored in material that matches the skill area targeted for instruction. For example, students with low scores on NWF CLS should receive instruction focused on becoming accurate and automatic with basic phonics skills (e.g., matching sounds to letters) and should be monitored with NWF CLS. As another example, when a student has sufficient accuracy and fluency, but that student's Maze score suggests difficulty with reading silently for meaning, monitor with Maze. Kindergarten and first-grade students typically would be monitored on grade-level materials unless they are not producing measurable behavior on those materials. Grade-level materials for kindergarten include FSF, PSF, and NWF and for first grade include PSF, NWF, and ORF. Students in grades two through six may be monitored in grade-level or out-of-grade-level materials.

Progress monitoring forms should be administered in the order they appear in the booklet for each individual child.

Out-of-grade monitoring. Careful consideration should be given to selecting an optimum level of progress monitoring material for each student. The optimum level should simultaneously illustrate:

- the student’s current level of skills,
- an instructional goal that the student needs to attain, and
- progress toward the goal.

To be able to illustrate progress, the material must be at a level in which changes in student skills will be apparent. In particular, if the measurement material is too difficult, progress will not be apparent, and the student and teacher or interventionist may become discouraged. Material that is too difficult may also result in inaccurate decisions about student progress. The progress monitoring level may be the same as the instructional level.

However, when monitoring progress in out-of-grade materials, use the highest level of material in which change can be shown in skills targeted for instruction. For example, when targeting phonemic awareness for instruction any time after the first half of kindergarten, PSF should be used for progress monitoring instead of FSF. If PSF is too difficult or frustrating for the student, then FSF should be used. For ORF, the optimal progress monitoring material is the highest level of material where the student reads with at least 90% accuracy and has an ORF Words Correct score above 20 in first-grade material, 40 in second-grade material, or 50 in third- through sixth-grade materials.

If grade-level material does not fall within these optimal progress monitoring levels, consider “back-testing” to identify the student’s appropriate progress monitoring level. Acadience Reading Survey provides testing materials and procedures for this process. For more information on Acadience Reading Survey, visit www.acadiencelearning.org.

Testing forms. Progress monitoring forms should be administered in the order they appear in the booklet, starting from the first form. Note that for ORF, while three passages are administered during benchmark assessment, a single passage is administered each time for progress monitoring. The progress monitoring forms for one measure or level are of approximately equal difficulty. Instructional decisions are based on at least three test administrations. For example, if a student is being monitored weekly, instructional decisions would be based on three assessments given over three weeks.

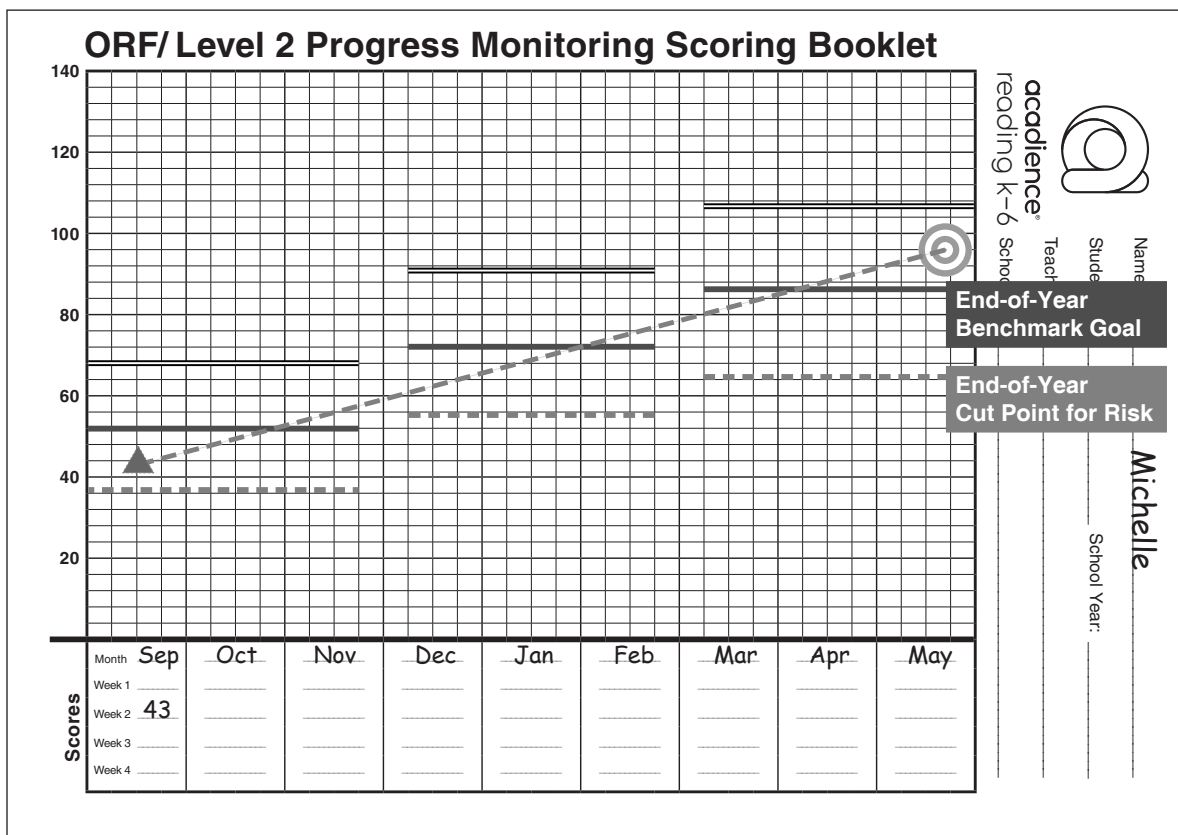
Setting Progress Monitoring Goals

A progress monitoring goal must include the score to aim for in the selected material, as well as the timeframe for achieving the selected goal. We recommend setting meaningful, ambitious, and attainable goals. There are two frames of reference that may be considered when monitoring a student in grade-level materials: (a) the Acadience Reading benchmark goals and (b) Pathways of Progress.

First, consider the Acadience Reading benchmark goals and the standard timeframe in which those goals should be reached, illustrated in *Figure 4.3*. The benchmark goals are the same for all students in a grade, regardless of their starting skill level and represent the **lowest score** for which a student is likely to still be on track to reach future reading outcomes (e.g., to be on track for fourth grade, every third-grade student should reach a Reading Composite Score of 330 by the end of the year). Some students with scores in this range, especially those with scores near the benchmark, may require monitoring and/or strategic support on specific component skills. Alternatively, the Above Benchmark level represents a higher level of performance. While all students with scores in this range will likely benefit from core support, some students with scores in this range may benefit from instruction on more advanced skills. Additional information about the benchmark goals is found in *Chapter*

3 and Appendix C of this manual.

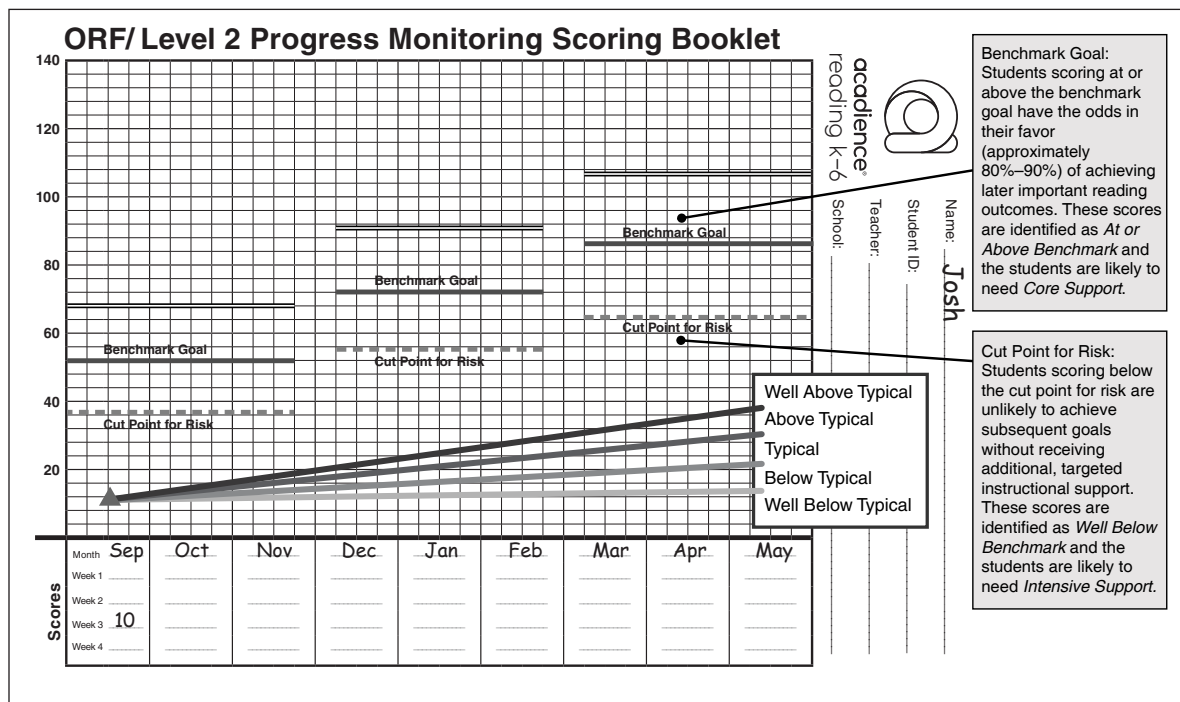
Figure 4.3 Sample Student Graph Showing Initial Performance, Aimline, Goal, in Reference to Benchmark Goal and Cut Point for Risk at End-of-Year



A second frame of reference to consider along with the benchmark goals is Pathways of Progress. When used in conjunction with the benchmark goals, Pathways of Progress further empowers educators to set individual student goals that are meaningful, ambitious, and attainable. Pathways of Progress allows teachers to use a normative context, in addition to the benchmark goals, when setting goals and evaluating progress. Pathways of Progress clarifies what rate of progress is Typical, Above Typical, or Well Above Typical for students with the same beginning Reading Composite Score. Pathways of Progress also informs educators when the rate of progress is Below Typical or Well Below Typical compared to students who have the same beginning Reading Composite Score.

Figure 4.4 shows how the Pathways of Progress can contribute important information in addition to the Acadience Reading benchmark goal for a sample second-grade student, Josh. As illustrated in Figure 4.4, Pathways of Progress can be helpful for determining if reaching the grade-level end-of-year benchmark goal might be unrealistically ambitious. Teachers can use the Pathways of Progress goal-setting utility available in Acadience Data Management (www.acadiancelearning.net) to see the target scores for each pathway and set end-of-year grade-level goals for students. A sample graph showing the goal, aimline, and Pathways for a third-grade student, Tabitha, is shown in Figure 4.5.

Figure 4.4 How Pathways of Progress Relate to the Benchmark Goals for a Sample Student, Josh



When monitoring a student in below-grade materials, the following steps are recommended:

Step 1: Determine the student's current level of performance.

Step 2: Determine the score to aim for based on the end-of-year goal for the level of materials selected for monitoring.

Step 3: Set the timeframe so that the goal is achieved in half the time in which it would normally be achieved (e.g., move the end-of-year benchmark goal to be achieved by the mid-year benchmark date). The intent is to establish a goal that will accelerate progress and support a student to close the achievement gap between them and their grade-level peers.

Step 4: Draw an aimline connecting the current performance to the goal.

A sample graph illustrating this kind of goal is provided in *Figure 4.6*. Acadience Reading Survey was used to develop this goal.

ORF/Level 3 Progress Monitoring Scoring Booklet

acadience®
reading K–6

Name: _____
Student ID: _____
Teacher: _____
School Year: _____
School: _____

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Month	65								
Week 1									
Week 2									
Week 3									
Week 4									

Pathways of Progress

- Well Above Typical
- Above Typical
- Typical
- Below Typical
- Well Below Typical

NWF Progress Monitoring Scoring Booklet

NWF Out-of-Level progress monitoring for frequent assessment with instructional level material

Scores

Month: Sep Oct Nov Dec Jan Feb Mar Apr May

Week 1 _____
Week 2 38/2 _____
Week 3 _____
Week 4 _____

accelience®
reading k-6

Name: Alistair
Student ID: _____
Teacher: _____
School: _____

Out-of-Level Goal:
When presented with an NWF form, Alistair will use basic phonics skills and understanding of the alphabetic principle to identify at least 65 correct letter sounds and read at least 18 whole words in 1 minute by the middle of the year.

Determining the Frequency of Progress Monitoring

Students receiving progress monitoring should be monitored as frequently as needed to make timely decisions about the effectiveness of the instructional support. The frequency of progress monitoring should match the level of concern about the student's skill development and need for support. Students who need more support should be monitored more frequently. As such, the frequency of monitoring should match the level of concern for the student and the intensity of intervention support needed.

For students whose scores fall into the Below Benchmark level in grade-level materials, monitoring one or two times per month is likely sufficient. Of the students who have scores at this level, those who are closer to the benchmark goal would likely be monitored less frequently (e.g., once per month), while those who are closer to the cut point for risk would likely be monitored more frequently.

For students whose scores fall into the Well Below Benchmark level in grade-level materials, progress monitoring once per week is ideal, though once every other week may be sufficient.

Any time you are monitoring a student in out-of-grade materials, progress monitoring once per week is ideal, though every other week may be sufficient.

A note about the Maze measure: Scores for Maze increase more slowly than they do for other Acadience Reading measures, so more frequent monitoring may not be as informative. For students who need to be monitored on Maze, we recommend monitoring once per month.

Conducting Progress Monitoring Assessment

Who should collect progress monitoring data? Any educator who has been trained on the administration and scoring procedures for Acadience Reading can collect progress monitoring data. The person who is providing the instruction is the one who needs the progress monitoring information and is the most likely person to collect the data. However, it can be just as effective for someone other than the instructor to collect the data, as long as the data are shared in a timely fashion. For example, students who are receiving speech therapy might have their progress monitored by the speech therapist. Special educators and reading specialists might monitor progress of the students on their caseload and share the results with the classroom teacher. Classroom teachers might progress monitor the small group of students with whom they are meeting daily because they are the ones who are most in need of support. It can be helpful to share the task of collecting progress monitoring data. It is important that the data be easily and frequently accessed by the student's instructor(s).

When should progress monitoring assessment be conducted? Progress monitoring should be conducted so as to minimize time taken from reading instruction. Consider the amount of assessment time needed based on the number of students, frequency of monitoring, and the materials on which students are being monitored. For example, if the decision is to monitor progress weekly for a small group of five students on ORF, one student could be assessed on Monday for 2 minutes at the end of small group time. The second student could be assessed on Tuesday, and so on for the remaining students. Each student would then be monitored weekly, but only a single student per day. Decisions such as these will be based in part on available resources and personnel.

Data Management and Reporting

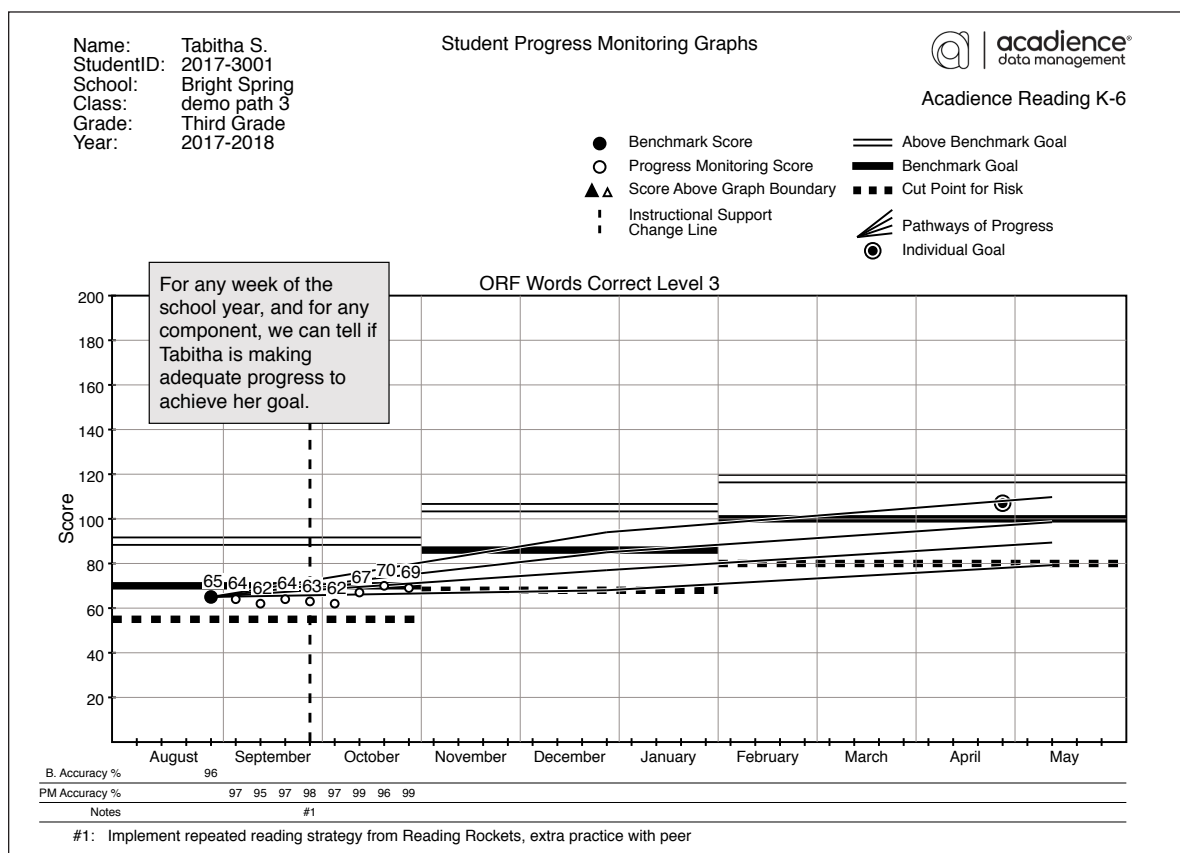
Progress monitoring data should be graphed and readily available to those who teach the student. The scoring forms themselves should also be available, in order to examine the student's response patterns.

The front cover of each Acadience Reading Progress Monitoring Scoring Booklet includes a graph to record the scores (see *Figure 4.3*). Components of an effective progress monitoring graph include:

- current level of performance,
- a target goal at a future point in time,
- a place to record ongoing progress monitoring scores, and
- an aimline.

An aimline provides a visual target for the rate of progress the student needs to make to meet the goal on time. The aimline is drawn from the student's current or initial skill level (which is often the most recent benchmark assessment score) to the goal. Progress monitoring scores can then be plotted over time and examined to determine whether the student is making adequate progress in reference to the aimline. An electronic data management system can store and report Acadience Reading progress monitoring data for you. One such system is Acadience Data Management (www.acadiencelearning.net) from the authors at Acadience Learning. A sample progress monitoring graph from Acadience Data Management for Tabitha is shown in *Figure 4.7*.

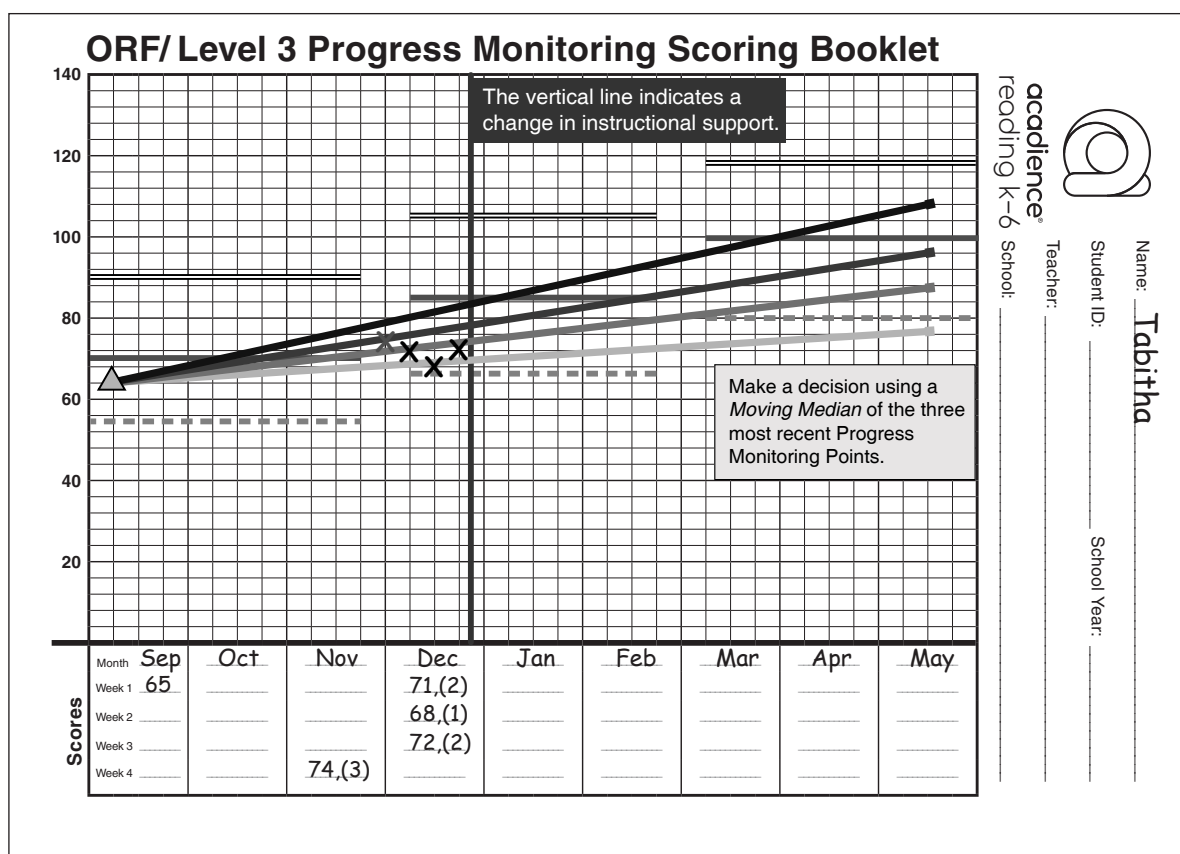
Figure 4.7 Sample Acadience Data Management Progress Monitoring Graph for Tabitha



Making Decisions With Progress Monitoring Data: Evaluating Progress and Modifying Instruction

Progress monitoring data should be reviewed at regular intervals. This review can be done by a classroom teacher and/or a team of educators working with a student. In general, if three consecutive data points fall below the aimline, the team should meet and make a considered decision about maintaining or modifying the instruction. If the student's progress is not likely to result in meeting the goal, then instruction should be modified. Before increasing the intensity of instruction, easy explanations for lack of progress should be considered and ruled out or changed, such as student or instructor absence or lack of instructional fidelity. Additionally, interventions and the frequency of monitoring can be faded once student performance improves. The overarching goal is to make ongoing, data-based decisions regarding instruction to improve student outcomes. Illustrations of this process are shown in *Figures 4.8 and 4.9*.

Figure 4.8 Ongoing Decision Making With Graphed Progress Monitoring Data for Tabitha



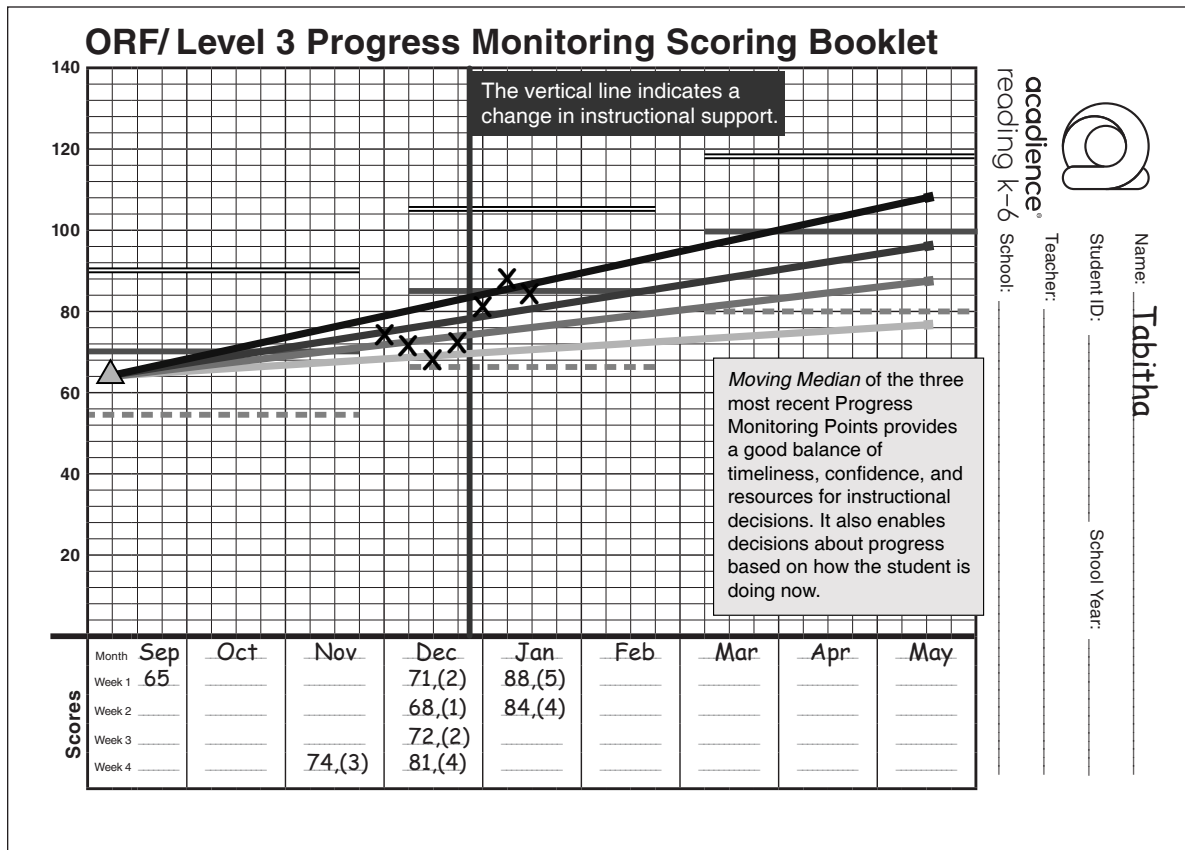
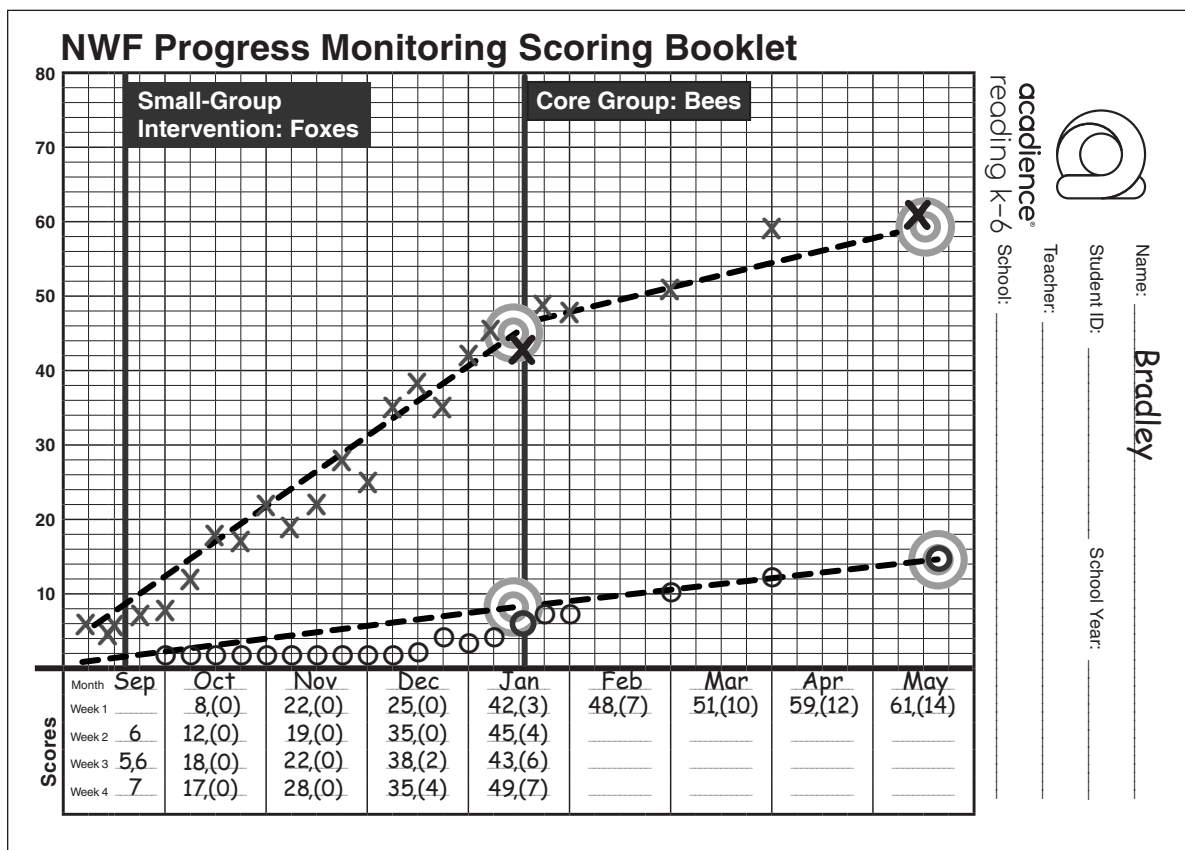


Figure 4.9 Ongoing Decision Making With Graphed Progress Monitoring Data for Bradley



Sharing Progress Monitoring Data With Parents and Students

Parents and students are important partners in any educator's efforts to improve reading outcomes. A basic progress monitoring graph conveys much of the information parents want to know about their children:

- What is my child's current level of skill?
- How different is my child's performance from the expectation?
- What is the goal for my child?
- When do we expect the goal to be achieved?
- Is my child making adequate progress toward the goal?

When progress monitoring occurs in the context of general education support, the procedures may be discussed with parents, including the educational concerns, the instructional support that is being provided, who will be collecting progress monitoring data, and how often the data will be shared. When progress monitoring is part of an evaluation for special education eligibility, appropriate informed consent procedures should be followed.

Under some conditions, sharing graphed data with a student may be appropriate if it would help to motivate the student. If the student is prone to speed-reading or is too far below the target and may be discouraged, then it may not be appropriate to share the graphed data.

Communicating With Students, Parents, and School Personnel

Preparing Students for Benchmark Assessment

Before each of the three benchmark assessments, teachers may make a statement to the class about the testing and about what students can expect to experience. The goal of the statement is to inform students and put them at ease, while encouraging them to do their best. It may be helpful to introduce the adults who will participate in the assessment and announce the locations where it will take place. A Sample Student Statement is included in *Appendix E*.

Informing Parents About Reading Assessment

Parents and guardians are important partners in improving reading outcomes. It is good policy to communicate to parents about the assessment tools used at school. Information to communicate might include:

- an explanation of the skills that are measured by Acadience Reading and why those skills are important;
- who will see the results;
- how and when parents will receive information about their child's performance;
- how the results will be used; and
- who to contact for more information.

A Sample Parent Announcement Letter and a Sample Results Letter are included in *Appendix E*.

Sharing Results with Parents

Following each benchmark assessment, Acadience Reading results may be communicated to each student's parents or guardians. The communication might include what the expectation for adequate progress is for that grade and time of year, how the student performed relative to that expectation, and any appropriate next steps. A

Sample Results letter is included in *Appendix E*. Acadience Reading results also may be shared and discussed at parent-teacher conferences.

Acadience Reading progress monitoring information may also be communicated to parents or guardians. When progress monitoring occurs in the context of general education support, the procedures may be discussed with parents, including the educational concerns, the instructional support that is being provided, who will be collecting progress monitoring data, and how often the data will be shared. Engaging parents as partners in working toward important literacy goals can be a powerful strategy for improving student outcomes. When progress monitoring is part of an evaluation for special education eligibility, appropriate informed consent procedures should be followed.

Sharing Results With School Personnel

Following each benchmark assessment, schedule time to discuss and analyze the Acadience Reading data with classroom teachers and other appropriate support staff who teach those students. An efficient way to review the results is during a grade-level meeting that includes resource staff who support that grade. In addition to reviewing the results in a meeting, the data should be made readily accessible to the classroom teachers and support staff who need to use it for making ongoing decisions about instruction.

Essential Early Literacy and Reading Skill	Acadience Reading Measure
Phonemic Awareness	First Sound Fluency



What is phonemic awareness?

Phonemic awareness is the explicit awareness that spoken words are made up of individual sounds or phonemes. A phoneme is the smallest sound unit into which speech can be divided that makes a difference to the meaning of the word (National Reading Panel, 2000). Phonemic awareness involves the ability to attend to and manipulate these phonemes in spoken words. For example, the knowledge that the word *dog* begins with the sound /d/ is phonemic awareness. The ability to replace the /d/ sound at the beginning of *dog* with the /h/ sound to make the word *hog* is also phonemic awareness. Phonemic awareness is an auditory skill that does not require knowledge of the letters of the alphabet or letter-sound knowledge, thus it is not the same as phonics.

A convergence of research on the acquisition of reading skills has demonstrated that phonemic awareness is highly predictive of success in learning to read (Gillon, 2004; Stahl & Murray, 2006). Additionally, effective instruction in phonemic awareness leads to significant differences in reading achievement (Ehri, 2004; National Reading Panel, 2000). Most reading researchers advocate that phonemic awareness be purposefully and explicitly taught as part of a comprehensive instructional program in reading and writing.

Chapter 5: First Sound Fluency (FSF)

Overview

Essential Early Literacy and Reading Skill	Phonemic Awareness
Administration Time	1 minute
Administration Schedule	Beginning of kindergarten to middle of kindergarten
Score	2 points for each correct initial phoneme and 1 point for each correct initial consonant blend, consonant plus vowel, or consonant blend plus vowel said by the student in 1 minute
Wait Rule	If the student does not respond within 3 seconds on a word, mark a slash (/) through the zero and say the next word.
Discontinue Rule	Zero points in the first five words

What is FSF?

First Sound Fluency (FSF) is a brief, direct measure of a student’s fluency in identifying the initial sounds in words. The ability to isolate the first sound in a word is an important phonemic awareness skill that is highly related to reading acquisition and reading achievement (Yopp, 1988). The ability to isolate and identify the first phoneme in a word is an easier skill than segmenting words or manipulating phonemes in words, thus FSF is used as a measure of developing phonemic awareness at the beginning and middle of kindergarten.

Using standardized directions, the assessor says a series of words one at a time to the student and asks the student to say the first sound in the word. On the scoring page, the assessor circles the corresponding sound or group of sounds the student says. *Appendix D* provides a pronunciation guide for how individual sounds are represented on the FSF measure. Students receive either 2 points for saying the initial phoneme of a word (e.g., saying the /s/ sound as the first sound in the word street) or 1 point for saying the initial consonant blend (e.g., /st/, /str/ in *street*), consonant plus vowel (e.g., /si/ in *sit*), or consonant blend plus vowel (e.g., /strea/ in *street*). A response is scored as correct as long as the student provides any of the correct responses listed for the word. The total score is based on the number of correct 1- and 2-point responses the student says in 1 minute.

Differential scoring for student responses allows young students to receive partial credit for demonstrating beginning skills in phonemic awareness. A student who may not be able to isolate an initial phoneme (e.g., /s/, /t/) would still receive partial credit for providing the first group of sounds in the word, showing

emerging understanding that words are made up of sounds. Although partial credit is given, the goal is for the student to be able to correctly say the first phoneme of each word.

To ensure that students understand the task and to maximize the performance of young students who may not have had any prior exposure to instruction in phonemic awareness, three practice items are included. The practice items provide increasing levels of support, including modeling (e.g., “listen to me say...”) and leading the correct response (e.g., “say it with me”). By design, the first two practice items start with the same sound, /m/. In the first practice item, isolation of the /m/ sound at the beginning of a word is modeled. In the second practice item, the student is asked to isolate the beginning sound in a word that also starts with /m/. In the third practice item, the student is asked to generalize the skill of isolating beginning sounds to a word that does not start with /m/.

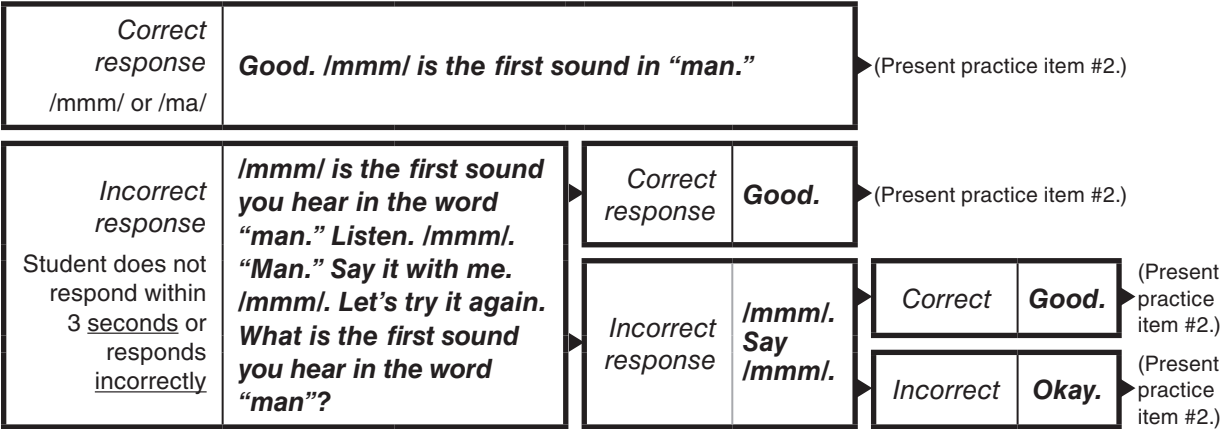
Materials

- Scoring Booklet
 - Pen/pencil
- Clipboard
 - Stopwatch

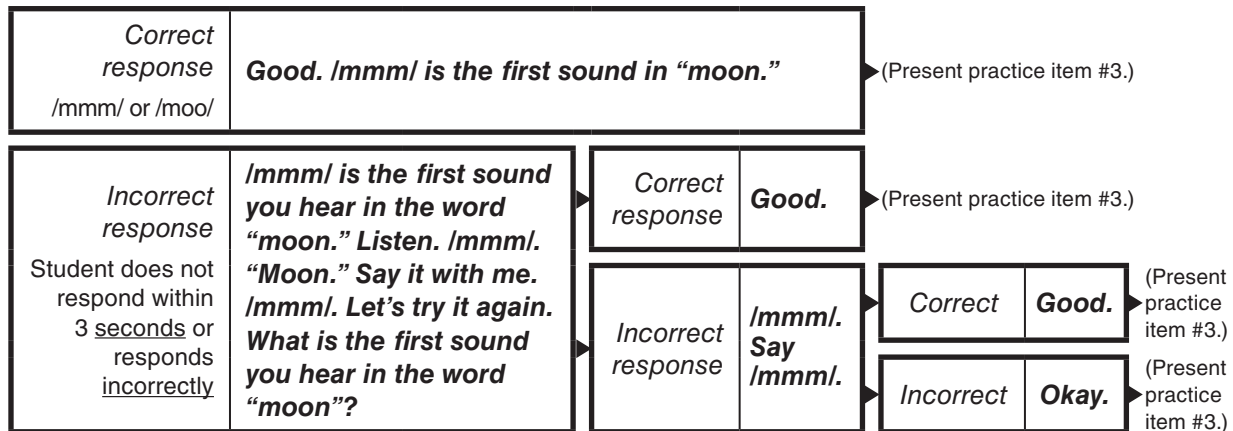
Administration Directions

Follow these directions exactly each time with each student. Say the words in bold italic type verbatim. Begin with the modeling and practice activities. The practice activities are designed to introduce the assessment task to the student. They are untimed and include correction procedures. The correction procedures are not used once the timing begins.

► Practice item #1) *Listen to me say this word, “man.” The first sound that you hear in the word “man” is /mmm/. Listen. /mmm/. “Man.” What is the first sound you hear in the word “man”?*

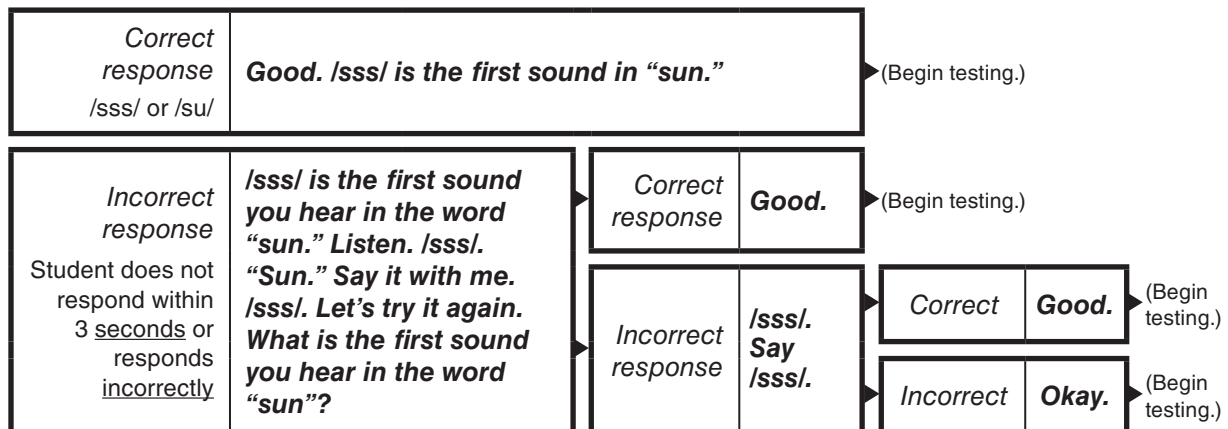


► Practice item #2) *Listen to me say another word, “moon.” What is the first sound you hear in the word “moon”?*



► Go to the next page.

► Practice item #3) **Let’s try another word, “sun.”** (Wait up to 3 seconds for student to respond.) If the student does not respond, ask, **What is the first sound you hear in the word “sun”?**



► Begin testing. **Now I am going to say more words. You tell me the first sound you hear in the word.**

1. Say the first word and start your stopwatch.
2. During the testing:
 - Present the words to the student one at a time by reading down the column of words.
 - Score the student’s responses by circling the corresponding sound or group of sounds on the scoring page. Mark a slash (/) through the zero for no response or for an incorrect response.
 - As soon as the student finishes saying the initial sound/sounds in the word, say the next word promptly and clearly.
 - Continue to say the words one at a time and score the student’s responses for 1 minute.
 - At the end of **1 minute**, stop presenting the words. Do not score any student responses after 1 minute. If the student completes the assessment before 1 minute, stop testing and record the score obtained. Scores are not prorated.

3. Immediately after testing:

- Reset the stopwatch for the next measure.
- Make a note in the scoring booklet about any patterns in student responses that were not captured by the marking procedures.

4. At a later time (i.e., shortly after the testing when you are no longer with the student) compute the final score:

- Add the correct responses in the 2-point column. Multiply the number of responses from the 2-point column by two and record the total in the space provided.
- Add the correct responses in the 1-point column and record the total in the space provided.
- Add the two totals from each column together and record the total score in the space provided.
- Record the score on the front of the scoring booklet.

Scoring Rules

The student receives 2 points for correctly identifying the initial phoneme in isolation and 1 point for identifying the correct initial sounds (consonant blend, consonant plus vowel, or consonant blend plus vowel).

1. Circle the corresponding sound or sounds that a student says for a word. A response is scored as correct if the student says any of the responses listed for the word.

- A student receives 2 points by correctly identifying the initial phoneme in a word.
- A student receives 1 point for identifying the correct initial consonant blend, consonant blend plus vowel, or consonant plus vowel in a word.

2. Mark a slash (/) through the zero on the scoring page for an incorrect response or no response within 3 seconds.

3. Write “sc” over the slash and circle the corresponding sounds or group of sounds in the student’s response if the student self-corrects an error within 3 seconds.

Discontinue Rule

Discontinue administering FSF if the student has not said any correct initial sounds in the first five words. Record a score of 0 on the Total line on the scoring page and in the FSF score box on the cover page of the student booklet.

Wait Rule

Wait 3 seconds for the student to respond. If the student does not respond within 3 seconds on a word, mark a slash (/) through the zero and say the next word.

Reminders

If you think the student may have forgotten the task (e.g., the student stops responding because he or she has clearly forgotten the task, repeats the word, claps the sounds, or says a rhyming word), say ***Remember to tell me the first sound that you hear in the word.*** Immediately say the next word. *This reminder may be given as often as needed.*

If the student says the name of the letter, say **Remember to tell me the first sound in the word, not the letter name.** Immediately say the next word. *This reminder may be given only once.*

Notes:

1. Schwa sounds (/u/) added to consonants are not counted as errors. Some phonemes (e.g., voiced phonemes such as /g/ or /b/) cannot be pronounced in isolation without a vowel, and some early learning of sounds includes the schwa.
2. Students are not penalized for differences in pronunciation due to dialect, articulation delays or impairments, or for speaking a first language other than English. It is common for preschool and kindergarten children to say /ch/ for /tr/ and /j/ for /dr/. On FSF, these substitutions are considered articulation errors and are scored as correct.

Examples of Scoring Rules

The following are examples of how to score commonly occurring responses on FSF. Please pay attention to the notes included with the examples as they provide scoring explanations and indicate variations and nuances related to the scoring. The examples do not encompass all possible responses. If in doubt about how to score a student response, refer to the scoring rules above.

Scoring Rule 1: Circle the corresponding sound or sounds that a student says for a word. A response is scored as correct if the student says any of the responses listed for the word.

Examples:

Words	fish drop	Student response	/f/ or /fu/ /d/ or /du/												
How to score	<table><tr><td>Test Items</td><td>Correct/2 points</td><td>Correct/1 point</td><td>Incorrect</td></tr><tr><td>1. fish</td><td>/f/</td><td>/fi/</td><td>0</td></tr><tr><td>2. drop</td><td>/d/</td><td>/dr/ /dro/</td><td>0</td></tr></table>			Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	/f/	/fi/	0	2. drop	/d/	/dr/ /dro/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect												
1. fish	/f/	/fi/	0												
2. drop	/d/	/dr/ /dro/	0												
Note: Schwa sounds (/u/) added to consonants are not counted as errors.															

Words	fish drop	Student response	/fi/ /dr/ or /dru/												
How to score	<table><tr><td>Test Items</td><td>Correct/2 points</td><td>Correct/1 point</td><td>Incorrect</td></tr><tr><td>1. fish</td><td>/f/</td><td>/fi/</td><td>0</td></tr><tr><td>2. drop</td><td>/d/</td><td>/dr/ /dro/</td><td>0</td></tr></table>			Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	/f/	/fi/	0	2. drop	/d/	/dr/ /dro/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect												
1. fish	/f/	/fi/	0												
2. drop	/d/	/dr/ /dro/	0												
Note: Schwa sounds (/u/) added to consonants are not counted as errors.															

Words	drop trap	Student response	/j/ /ch/												
How to score	<table border="1"> <thead> <tr> <th>Test Items</th> <th>Correct/2 points</th> <th>Correct/1 point</th> <th>Incorrect</th> </tr> </thead> <tbody> <tr> <td>1. drop</td> <td>/d/</td> <td>/dr/ /dro/</td> <td>0</td> </tr> <tr> <td>2. trap</td> <td>/t/</td> <td>/tr/ /tra/</td> <td>0</td> </tr> </tbody> </table>			Test Items	Correct/2 points	Correct/1 point	Incorrect	1. drop	/d/	/dr/ /dro/	0	2. trap	/t/	/tr/ /tra/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect												
1. drop	/d/	/dr/ /dro/	0												
2. trap	/t/	/tr/ /tra/	0												

Note: A common articulation error for students is to say /j/ for the /dr/ blend or /ch/ for the /tr/ blend.

Words	fish drop	Student response	/f/.../i/.../sh/ /dr/.../o/.../p/												
How to score	<table border="1"> <thead> <tr> <th>Test Items</th> <th>Correct/2 points</th> <th>Correct/1 point</th> <th>Incorrect</th> </tr> </thead> <tbody> <tr> <td>1. fish</td> <td>/f/</td> <td>/fi/</td> <td>0</td> </tr> <tr> <td>2. drop</td> <td>/d/</td> <td>/dr/ /dro/</td> <td>0</td> </tr> </tbody> </table>			Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	/f/	/fi/	0	2. drop	/d/	/dr/ /dro/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect												
1. fish	/f/	/fi/	0												
2. drop	/d/	/dr/ /dro/	0												

Words	fish drop	Student response	/f/...fish /dr/...drop												
How to score	<table border="1"> <thead> <tr> <th>Test Items</th> <th>Correct/2 points</th> <th>Correct/1 point</th> <th>Incorrect</th> </tr> </thead> <tbody> <tr> <td>1. fish</td> <td>/f/</td> <td>/fi/</td> <td>0</td> </tr> <tr> <td>2. drop</td> <td>/d/</td> <td>/dr/ /dro/</td> <td>0</td> </tr> </tbody> </table>			Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	/f/	/fi/	0	2. drop	/d/	/dr/ /dro/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect												
1. fish	/f/	/fi/	0												
2. drop	/d/	/dr/ /dro/	0												

Scoring Rule 2: Mark a slash (/) through the zero for no response or for any other response not included on the score sheet (e.g., incorrect sound, letter name, repeat the word).

Examples:

Words	fish drop	Student response	/m/ drop												
How to score	<table border="1"> <thead> <tr> <th>Test Items</th> <th>Correct/2 points</th> <th>Correct/1 point</th> <th>Incorrect</th> </tr> </thead> <tbody> <tr> <td>1. fish</td> <td>/f/</td> <td>/fi/</td> <td>0</td> </tr> <tr> <td>2. drop</td> <td>/d/</td> <td>/dr/ /dro/</td> <td>0</td> </tr> </tbody> </table>			Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	/f/	/fi/	0	2. drop	/d/	/dr/ /dro/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect												
1. fish	/f/	/fi/	0												
2. drop	/d/	/dr/ /dro/	0												

Words	fish drop	Student response	eff...(assessor says, “Remember to tell me the first <u>sound</u> in the word, not the letter name. Drop.”)...dee...														
How to score	<table border="1"> <thead> <tr> <th>Test Items</th> <th>Correct/2 points</th> <th>Correct/1 point</th> <th>Incorrect</th> </tr> </thead> <tbody> <tr> <td>1. fish</td> <td>/f/</td> <td>/fi/</td> <td>0</td> </tr> <tr> <td>2. drop</td> <td>/d/</td> <td>/dr/ /dro/</td> <td>0</td> </tr> </tbody> </table>					Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	/f/	/fi/	0	2. drop	/d/	/dr/ /dro/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect														
1. fish	/f/	/fi/	0														
2. drop	/d/	/dr/ /dro/	0														
Note: This reminder may be used only once.																	

Words	fish drop	Student response	no response...(3 seconds)...(assessor says, “drop”) /dr/														
How to score	<table border="1"> <thead> <tr> <th>Test Items</th> <th>Correct/2 points</th> <th>Correct/1 point</th> <th>Incorrect</th> </tr> </thead> <tbody> <tr> <td>1. fish</td> <td>/f/</td> <td>/fi/</td> <td>0</td> </tr> <tr> <td>2. drop</td> <td>/d/</td> <td><u>/dr/</u> /dro/</td> <td>0</td> </tr> </tbody> </table>					Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	/f/	/fi/	0	2. drop	/d/	<u>/dr/</u> /dro/	0
Test Items	Correct/2 points	Correct/1 point	Incorrect														
1. fish	/f/	/fi/	0														
2. drop	/d/	<u>/dr/</u> /dro/	0														
Note: Slash the zero if the student gives no response after 3 seconds.																	

Scoring Rule 3: Write “sc” over the slashed zero if the student self-corrects. Circle the appropriate score for the student’s response.

Example:

Words	fish drop	Student response	/m/...I mean /f/ drop...I mean /d/														
How to score	<table border="1"> <thead> <tr> <th>Test Items</th> <th>Correct/2 points</th> <th>Correct/1 point</th> <th>Incorrect</th> </tr> </thead> <tbody> <tr> <td>1. fish</td> <td><u>/f/</u></td> <td>/fi/</td> <td>sc 0</td> </tr> <tr> <td>2. drop</td> <td><u>/d/</u></td> <td>/dr/ /dro/</td> <td>sc 0</td> </tr> </tbody> </table>					Test Items	Correct/2 points	Correct/1 point	Incorrect	1. fish	<u>/f/</u>	/fi/	sc 0	2. drop	<u>/d/</u>	/dr/ /dro/	sc 0
Test Items	Correct/2 points	Correct/1 point	Incorrect														
1. fish	<u>/f/</u>	/fi/	sc 0														
2. drop	<u>/d/</u>	/dr/ /dro/	sc 0														

See Appendix F for Practice Scoring Sheet and Answer Key.

Model FSF Scoring Sheet

The following is an example of a completed scoring sheet. The scoring rules and scoring calculation are shown. This scoring sheet serves as a model and can be used during training and practice to support accurate administration and scoring of Acadience Reading.

1 Acadience Reading First Sound Fluency Progress Monitoring 1

Test Items	Correct/2 points	Correct/1 point		Incorrect
1. knob	/n/	/no/		0
2. jam	/j/	/ja/		0
3. throat	/th/	/thr/	/throa/	0
4. slow	/s/	/sl/		0
5. shelves	/sh/	/she/		0
6. slice	/s/	/sl/	/slie/	0
7. time	/t/	/tie/		0
8. sports	/s/	/sp/	/spor/	0
9. chance	/ch/	/cha/		0
10. plot	/p/	/pl/	/plo/	0
11. skate	/s/	/sk/	/skai/	0
12. sand	/s/	/sa/		0
13. dropped	/d/	/dr/	/dro/	0
14. loud	/l/	/low/		0
15. storm	/s/	/st/	/stor/	sc 0
16. peak	/p/	/pea/		0
17. smash	/s/	/sm/	/sma/	0
18. tree	/t/	/tr/		0
19. fair	/f/	/fe/		0
20. dad	/d/	/da/		0
21. smooth	/s/	/sm/	/smoo/	0
22. clean	/k/	/kl/	/klea/	0
23. cheer	/ch/	/chi/		0
24. nine	/n/	/nie/		0
25. space	/s/	/sp/	/spai/	0
26. dirt	/d/	/der/		0
27. creek	/k/	/kr/	/krea/	0
28. zoom	/z/	/zoo/		0
29. call	/k/	/ko/		0
30. scarf	/s/	/sk/	/skar/	0

2-pt responses: 17

x 2: 34 + 1-pt responses: 10 = Total: 44

Essential Early Literacy and Reading Skill	Acadience Reading Measure
Not directly linked to a basic early literacy skill	Letter Naming Fluency

 What is letter naming?

To read an alphabetic writing system such as English, students must be able to recognize letters, name the letters, and associate the letters with their corresponding sounds (Troia, 2004). However, letter naming is not one of the five core components of early literacy. Many, though not all, students enter kindergarten with some knowledge of letter names. Many can sing the alphabet song and can recite the names of the letters in a sequence. Surrounded by environmental print, many students can easily recognize the letter shapes and print cues of their favorite stores or foods. All these experiences provide an entry point to the printed word.

The pragmatic implication of having learned letter names through rhythm and song is that teaching the visual representation for each letter follows easily and almost naturally. The value of recognizing environmental print is that students begin to understand that print has meaning. The importance of knowing letter names in mastering the alphabetic principle is ambiguous because the skill of knowing the alphabet letter names is not essential to reading outcomes. Nevertheless, knowledge of letter names in kindergarten is a strong and robust predictor of later reading performance (Adams, 1990), and has an enduring relationship with phonological awareness (Kaminski & Good, 1996; Scarborough, 1998; Stahl & Murray, 1994; Wagner, Torgesen, & Rashotte, 1994).

Chapter 6: Letter Naming Fluency (LNF)

Overview

<i>Essential Early Literacy and Reading Skill</i>	None
<i>Administration Time</i>	1 minute
<i>Administration Schedule</i>	Beginning of kindergarten to beginning of first grade
<i>Score</i>	Number of letters named correctly in 1 minute
<i>Wait Rule</i>	If the student does not name a letter within 3 seconds, mark a slash (/) through the letter and say the correct letter name.
<i>Discontinue Rule</i>	No letters named correctly in the first row

What is LNF?

Letter Naming Fluency (LNF) is a brief, direct measure of a student’s fluency in naming letters. LNF assesses a student’s ability to recognize individual letters and say their letter names. Using standardized directions, the assessor presents a page of uppercase and lowercase letters arranged in random order and asks the student to name the letters. The assessor marks letter names that are read incorrectly or skipped. The total score is the number of correct letter names that the student says in 1 minute.

The purpose of LNF is to measure students’ automaticity with letter naming. Fluency in naming letters is a strong and robust predictor of later reading achievement (Adams, 1990). The purpose of LNF is to measure fluency rather than identify which letters the student knows or does not know, so while all letters are included on the LNF materials, they appear in random order. As such, it provides an added risk indicator for early school-age children. Although it may be related to rapid automatized naming (RAN), it is not a measure of RAN.

Because letter naming does not appear to be critical for achieving reading outcomes, it is not an essential early literacy and reading skill. Therefore, a benchmark goal is not provided. As an indicator of risk, scores on LNF should be used in conjunction with scores on other measures, especially at the beginning of kindergarten. LNF is a strong and robust predictor of later reading achievement but is not a powerful instructional target, i.e., focusing instruction on letter names should not be expected to lead to better reading outcomes. For students at

risk, the primary instructional goals should be developing phonological awareness skills and gaining knowledge about the alphabetic principle.

Materials

- Scoring Booklet
- Pen/pencil
- Stopwatch
- Student materials
- Clipboard

Administration Directions

Follow these directions exactly each time with each student. Say the words in bold italic type verbatim. Begin with the practice activities. The practice activities are designed to introduce the assessment task to the student. They are untimed and include correction procedures. The correction procedures are not used once the testing begins. Put the student copy of the materials in front of the student and say the following:

► ***I am going to show you some letters. I want you to point to each letter and say its name.*** (Put the page of letters in front of the student.)

► Begin testing. ***Start here*** (point to the first letter at the top of the page). ***Go this way*** (sweep your finger across the first two rows of letters) ***and say each letter name. Put your finger under the first letter*** (point). ***Ready, begin.***

1. Start your stopwatch after you say ***begin.***

2. During the testing:

- Follow along in the scoring booklet. Mark a slash (/) through any skipped letter or letter read incorrectly.
- At the end of **1 minute**, put a bracket after the last letter named and tell the student to **Stop**. If the student completes the assessment before 1 minute, stop testing and record the student's score. Scores are not prorated.

3. Immediately after testing:

- Reset the stopwatch for the next measure.
- Mark LNF response patterns and make a note in the scoring booklet about any patterns in student responses that were not captured by the marking procedures.

4. At a later time (shortly after testing but when you are no longer with the student) compute the final score:

- Add the number of correct letters and record the number on the Total line of the LNF scoring page.
- Record the score on the front page of the scoring booklet.

Scoring Rules

The student receives 1 point for each letter correctly named in 1 minute.

1. Do not mark letters named correctly. Young students sometimes confuse the lowercase L with uppercase I. Give the student a point for naming the lowercase L as either an L or an I. Do not give the student a point for calling it a number 1.
2. Mark a slash (/) through any letter the student names incorrectly, skips, or does not name within 3 seconds.
3. Write “sc” above any letter that had been previously slashed and was self-corrected within 3 seconds. Count the self-corrected response as correct.
4. Draw a line through any row the student skips. Do not count the row when scoring.

Discontinue Rule

Discontinue administering LNF if the student does not correctly name any letters in the first row. Tell the student to **Stop**. Record a score of 0 on the Total line on the scoring page and in the LNF score box on the cover page of the student booklet.

Wait Rule

Wait 3 seconds for the student to respond. If the student does not name a letter within 3 seconds, mark a slash (/) through the letter and say the correct letter name.

Reminders

If the student names letters from top to bottom, or points randomly, say **Go this way**. (Sweep your finger across the row). *This reminder may be given only once.*

If the student skips four or more consecutive letters, but does not skip the whole row, say **Try to say each letter name**. *This reminder may be given only once.*

If the student says letter sounds rather than letter names, say **Say the letter name, not its sound**. If the student continues saying letter sounds, mark each letter as incorrect and indicate the pattern of response at the bottom of the page. *This reminder may be given only once.*

If the student stops and it is not a hesitation on a specific item, say **Keep going**. *This reminder may be used as often as needed.*

If the student loses his/her place, point. *This reminder may be used as often as needed.*

Note:

Students are not penalized for differences in pronunciation due to dialect, articulation delays or impairments, or speaking a first language other than English.

Examples of Scoring Rules

The following are examples of how to score responses on LNF. Please pay attention to the notes included with the examples as they provide scoring explanations and indicate variations and nuances related to the scoring. The examples do not encompass all possible responses. If in doubt about how to score a student response, refer to the scoring rules on the previous page.

Scoring Rule 1: Do not mark any letter the student names correctly.

Example:

Student response B...N...r...d...W...u...H...eth...I...thea	
How to score	B N r d W u H s I Z
	Total: <u>10</u>

Notes: In the font used on LNF, the lowercase L may look like an uppercase I. Give the student a point for naming the lowercase L as either an L or an I. Do not give the student a point for calling it a number 1. Students are not penalized for differences in pronunciation due to dialect, articulation delays or impairments, or for pronunciations due to speaking a first language other than English.

Scoring Rule 2: Mark a slash (/) through any letter the student names incorrectly, skips, or does not name within 3 seconds.

Example:

Student response B...M...r...d...u.../h/...(assessor says, "Say the letter name, not its sound")...s...l...(3 seconds)...(assessor says, "Z")...Z	
How to score	B N r d W u H s l Z
	Total: <u>6</u>

Note: The first time the student says a letter sound rather than the letter name, say **Say the letter name, not its sound**. This reminder may be used only once.

Scoring Rule 3: Write “sc” above any letter that had been previously slashed and was self-corrected within 3 seconds. Count the self-corrected response as correct.

Example:

Student response B...N...r...b...I mean d...W...u...H...s...l...Z

How to score	B	N	r	^{sc} d	W	u	H	s	l	Z
	Total: <u>10</u>									

Scoring Rule 4: Draw a line through any row the student skips.

Example:

Student response B...N...r...d...W...u...H...s...l...Z...
U...h...k...d...S...K...q...O...n...P

How to score	B	N	r	d	W	u	H	s	l	Z
	e	T	o	V	m	z	p	G	C	a
	U	h	k	d	S	K	q	O	n	P
	Total: <u>20</u>									

Model LNF Scoring Sheet

The following is an example of a completed scoring sheet. The scoring rules and scoring calculation are shown. This scoring sheet serves as a model and can be used during training and practice to support accurate administration and scoring of Acadience Reading.

1 Acadience Letter Naming Fluency

▶	T	B	x	g	e	V	Z	R	Q	k
	H	I	J	y	u	f	a	S	z	t
	w	N	L	d	s	U	G	r	i	D
	W	^{sc} q	E	h	n	c	l	m	j	O
	C	P	X	F	b	Y	K	A	v	M
	p	o	P	I	R	i	d	G	o	j
	x	L	T	E	f	y	B	n	A	w
	r	N	v	s	a	C	u	Z	H	e
	Q	K	h	b	Y	J	l	z	X	U
	p	F	O	g	k	D	q	t	m	S
	W	c	M	V	T	B	x	g	e	V

Total Correct: 34

LNF Response Patterns:



Makes random errors



Makes consistent errors on specific letter(s)



Says letter sound instead of letter name



Doesn't track correctly



Other

Essential Early Literacy and Reading Skill	Acadience Reading Measure
Phonemic Awareness	Phoneme Segmentation Fluency

 What is phonemic awareness?

Phonemic awareness is the explicit awareness that spoken words are made up of individual sounds or phonemes. A phoneme is the smallest sound unit into which speech can be divided that makes a difference to the meaning of the word (National Reading Panel, 2000). Phonemic awareness involves the ability to attend to and manipulate these phonemes in spoken words. For example, the knowledge that the word *dog* begins with the sound /d/ is phonemic awareness. The ability to replace the /d/ sound at the beginning of *dog* with the /h/ sound to make the word *hog* is also phonemic awareness. Phonemic awareness is an auditory skill that does not require knowledge of the letters of the alphabet or letter-sound knowledge, thus it is not the same as phonics.

A convergence of research on the acquisition of reading skills has demonstrated that phonemic awareness is highly predictive of success in learning to read (Gillon, 2004; Stahl & Murray, 2006). Additionally, effective instruction in phonemic awareness leads to significant differences in reading achievement (Ehri, 2004; National Reading Panel, 2000). Most reading researchers advocate that phonemic awareness be purposefully and explicitly taught as part of a comprehensive instructional program in reading and writing.

Chapter 7: Phoneme Segmentation Fluency (PSF)

Overview

Essential Early Literacy and Reading Skill	Phonemic Awareness
Administration Time	1 minute
Administration Schedule	Middle of kindergarten to beginning of first grade
Score	Number of correct sound segments (different, correct parts of the words) the student says in 1 minute
Wait Rule	If the student does not respond within 3 seconds, say the next word.
Discontinue Rule	Zero correct sound segments in the first five words

What is PSF?

Phoneme Segmentation Fluency (PSF) is a brief, direct measure of phonemic awareness. PSF assesses the student’s fluency in segmenting a spoken word into its component parts or sound segments. Using standardized directions, the assessor says a word and asks the student to say the sounds in the word. The assessor underlines each correct sound segment of the word that the student says. *Appendix D* provides a pronunciation guide for how individual sounds are represented on the PSF measure. A correct sound segment is any different, correct part of the word the student says. The total score is the number of correct sound segments that the student says in 1 minute. For example, if the assessor says the word *fish* and the student says /f/ /i/ /sh/, the student has completely and correctly segmented the word into its component sounds and the score is 3 correct sound segments. If the student says /f/ /ish/, the score is 2 correct sound segments.

Partial credit is given for partial segmentation. A student who is developing phonemic awareness may not yet segment words completely into individual sounds but *may* segment parts of words. For example, a student who says the first sound of the word *sun* (/s/) receives 1 point. A student who says the onset and rime (/s/ /un/) receives 2 points and a student who completely and correctly segments all of the individual phonemes in the word (/s/ /u/ /n/) receives 3 points. Note that consonant blends have two or more phonemes that should be produced separately for a student to receive full credit. For example, for the word *trap*, a student who says /tr/ /a/ /p/ receives partial credit of 3 points, and a student who says /t/ /r/ /a/ /p/ receives the full 4 points. Allowing partial credit in scoring increases the sensitivity of the measure, thus making it possible to measure

growth from partial to complete segmentation. Although partial credit is given, the preferred response is for students to completely segment words at the phoneme level by the end of kindergarten.

Materials

- Scoring Booklet
 - Pen/pencil
- Clipboard
 - Stopwatch

Administration Directions

Follow these directions exactly each time with each student. Say the words in bold italic type verbatim. Begin with the practice activities. The practice activities are designed to introduce the assessment task to the student. They are untimed and include correction procedures. The correction procedures are not used once the testing begins.

► **We are going to say the sounds in words. Listen to me say all the sounds in the word “fan.” /f/ /a/ /n/. Listen to another word, (pause) “jump.” /j/ /u/ /m/ /p/. Your turn. Say all the sounds in “soap.”**

Correct response /s/ /oa/ /p/	Very good saying all the sounds in “soap.”	(Begin testing.)		
Incorrect response anything other than /s/ /oa/ /p/	I said “soap,” so you say /s/ /oa/ /p/. Your turn. Say all the sounds in “soap.”	Correct response	Good.	(Begin testing.)
		Incorrect response	Okay.	(Begin testing.)

► Begin testing. **I am going to say more words. I will say the word, and you say all the sounds in the word.** (Say the first word from the list in the scoring booklet.)

1. Say the first word and start your stopwatch.
2. During the testing:
 - Present the words to the student one at a time by reading across the row.
 - As the student responds, underline each correct sound segment the student says. A sound segment is defined as each different, correct part of the word. Leave omitted sounds blank. Circle repeated words.
 - As soon as the student finishes saying the sounds of the word, say the next word promptly and clearly. If the student indicates that he/she did not hear the word, you may repeat it.
 - Continue to say words one at a time and score the student’s responses for 1 minute.
 - At the end of **1 minute**, put a bracket after the last sound segment the student said. Stop presenting words and do not score any student responses after 1 minute. If the student is in the middle of a response at the end of 1 minute, you may allow the student to finish his/her response, but place the bracket where the minute ended and do not count any sound segments after the end of the minute. If the student completes the assessment before 1 minute, stop testing and record the student’s score. Scores are not prorated.

3. Immediately after testing:

- Reset the stopwatch for the next measure.
- Mark PSF Response Patterns and make a note in the scoring booklet about any patterns in student responses that were not captured by the marking procedures.

4. At a later time (shortly after the testing but when you are no longer with the student) compute the final score:

- Add the number of correct sound segments (i.e., underlined parts of words) for each row and record the number in the space provided at the right side of each row.
- Add the number of correct sound segments from all rows and record the total number on the Total line of the PSF scoring page.
- Record the score on the cover page.

Scoring Rules

The student receives 1 point for each different, correct sound segment produced in 1 minute.

1. Underline each correct sound segment the student says. A correct sound segment is any correct *part* of the word. To be correct, the sound segment must be a correct part of the word in its entirety. For example, /m/ /ma/ /a/ /an/ /n/ are all correct parts of the word *man*. /mae/ is not a correct part of the word *man* even though it contains /m/. Blended sounds or partial segmentation should be underlined exactly as the student said the sounds, and given 1 point per underline.
2. Mark a slash (/) through any incorrect sound segment. Score the entire sound segment as correct or incorrect.
3. Circle the word if the student repeats the word without saying any sound segments.
4. Leave blank any sounds the student omits.
5. Write “sc” over any corrected sound segments that had previously been slashed if the student self-corrects an error within 3 seconds.

Discontinue Rule

Discontinue administering PSF if the student has not said any correct sound segments in the first five words. Record a score of 0 for the total number of correct sound segments on the Total line on the scoring page and in the PSF score box on the cover page of the student booklet.

Wait Rule

Wait 3 seconds for the student to respond. If the student does not respond within 3 seconds, say the next word.

Reminders

If the student spells the word, say **Say the sounds in the word.** *This reminder may be given only once.*

If the student repeats the word, say **Remember to say all the sounds in the word.** *This reminder may be given only once.*

- Notes:**
- 1. Schwa sounds (/u/) added to consonants are not counted as errors. Some phonemes cannot be pronounced correctly in isolation without a vowel, and some early learning of sounds includes the schwa.
 - 2. Students may elongate the individual sounds and get credit if you judge that they have awareness of each individual sound in the word (e.g., they have held each sound for approximately 1 second).
 - 3. Students are not penalized for differences in pronunciation due to dialect, articulation delays or impairments, or speaking a first language other than English.

Examples of Scoring Rules

The following are examples of how to score responses on PSF. The examples do not encompass all possible responses. If in doubt about how to score a student response, refer to the scoring rules above. Please pay attention to the notes included with the examples as they provide scoring explanations and indicate variations and nuances related to the scoring.

Scoring Rule 1: Underline each correct sound segment a student says. Correct sound segments are different, correct parts of the word. Blended sounds or partially correct segments should be underlined exactly as the student said them, and 1 point given per underline.

Examples:

Words	Student response	How to score						
flag	/f/.../l/.../a/.../g/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td>4 /4</td></tr><tr><td>sit <u>/s/</u> <u>/i/</u> <u>/t/</u></td><td>3 /3</td></tr></table>	Score		flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	4 /4	sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	3 /3
Score								
flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	4 /4							
sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	3 /3							
Note: The student completely segments the words at the individual phoneme level.								

flag	/f/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> /l/ /a/ /g/</td><td>1 /4</td></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td>2 /4</td></tr><tr><td>sit <u>/s/</u> <u>/i/</u> <u>/t/</u></td><td>2 /3</td></tr></table>	Score		flag <u>/f/</u> /l/ /a/ /g/	1 /4	flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	2 /4	sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	2 /3
Score										
flag <u>/f/</u> /l/ /a/ /g/	1 /4									
flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	2 /4									
sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	2 /3									
flag	/fla/.../g/									
sit	/s/.../it/									
Note: The student says only some of the sounds in the word or combines sounds. The student does not receive credit for sound segments that are not said.										

Words	Student response	How to score						
flag	/fla/.../ag/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td><table><tr><td>2</td><td>_{/4}</td></tr></table></td></tr></table>	Score		flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	<table><tr><td>2</td><td>_{/4}</td></tr></table>	2	_{/4}
Score								
flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	<table><tr><td>2</td><td>_{/4}</td></tr></table>	2	_{/4}					
2	_{/4}							
sit	/si/.../i/.../it/	<table><tr><td>sit <u>/s/</u> <u>/i/</u> <u>/t/</u></td><td><table><tr><td>3</td><td>_{/3}</td></tr></table></td></tr></table>	sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	<table><tr><td>3</td><td>_{/3}</td></tr></table>	3	_{/3}		
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flag	/f/.../l/.../la/.../a/.../g/	<table><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td><table><tr><td>4</td><td>_{/4}</td></tr></table></td></tr></table>	flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	<table><tr><td>4</td><td>_{/4}</td></tr></table>	4	_{/4}		
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4	_{/4}							

Note: If the student repeats a sound in adjacent segments, the student receives credit as long as each segment is a different, correct part of the word. The student cannot receive more points for a word than the maximum number of phonemes in the word. This is an uncommon response pattern, and not as desirable as /f/ /l/ /a/ /g/.

flag	/f/.../l/.../a/.../g/.../s/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td><table><tr><td>4</td><td>_{/4}</td></tr></table></td></tr></table>	Score		flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	<table><tr><td>4</td><td>_{/4}</td></tr></table>	4	_{/4}
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4	_{/4}							
sit	/s/.../p/.../i/.../t/	<table><tr><td>sit <u>/s/</u> <u>/i/</u> <u>/t/</u></td><td><table><tr><td>3</td><td>_{/3}</td></tr></table></td></tr></table>	sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	<table><tr><td>3</td><td>_{/3}</td></tr></table>	3	_{/3}		
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3	_{/3}							
sit	/sp/.../i/.../t/	<table><tr><td>sit /s/ <u>/i/</u> <u>/t/</u></td><td><table><tr><td>2</td><td>_{/3}</td></tr></table></td></tr></table>	sit /s/ <u>/i/</u> <u>/t/</u>	<table><tr><td>2</td><td>_{/3}</td></tr></table>	2	_{/3}		
sit /s/ <u>/i/</u> <u>/t/</u>	<table><tr><td>2</td><td>_{/3}</td></tr></table>	2	_{/3}					
2	_{/3}							

Note: Added sounds are disregarded in scoring if they are separated from the other sounds in the word. If a student consistently adds sounds to words, make a note and follow up to determine why this is happening.

flag	/fu/.../lu/.../a/.../gu/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td><table><tr><td>4</td><td>_{/4}</td></tr></table></td></tr></table>	Score		flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	<table><tr><td>4</td><td>_{/4}</td></tr></table>	4	_{/4}
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4	_{/4}							
sit	/su/.../i/.../tu/	<table><tr><td>sit <u>/s/</u> <u>/i/</u> <u>/t/</u></td><td><table><tr><td>3</td><td>_{/3}</td></tr></table></td></tr></table>	sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	<table><tr><td>3</td><td>_{/3}</td></tr></table>	3	_{/3}		
sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	<table><tr><td>3</td><td>_{/3}</td></tr></table>	3	_{/3}					
3	_{/3}							

Note: Schwa sounds (/u/) added to a sound are not counted as errors. If a student consistently adds the schwa sound, make a note.

Words	Student response	How to score						
flag	ffffllllaaaag	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td>4 /4</td></tr><tr><td>sit <u>/s/</u> <u>/i/</u> <u>/t/</u></td><td>3 /3</td></tr></table>	Score		flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	4 /4	sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	3 /3
Score								
flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	4 /4							
sit <u>/s/</u> <u>/i/</u> <u>/t/</u>	3 /3							
Note: The student receives full credit for elongating sounds, if that is how he/she is being taught to segment sounds in words, and the assessor judges that the student demonstrates awareness of each individual sound in the word.								

flag	/f/.../w/.../a/.../g/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u></td><td>4 /4</td></tr><tr><td>this <u>/TH/</u> <u>/i/</u> <u>/s/</u></td><td>3 /3</td></tr></table>	Score		flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	4 /4	this <u>/TH/</u> <u>/i/</u> <u>/s/</u>	3 /3
Score								
flag <u>/f/</u> <u>/l/</u> <u>/a/</u> <u>/g/</u>	4 /4							
this <u>/TH/</u> <u>/i/</u> <u>/s/</u>	3 /3							
this	/d/.../i/.../s/							

Note: There is no penalty for articulation errors or dialect differences when assessing a student. For example, a student with an articulation delay who consistently says /w/ for /l/ would not be penalized for this pronunciation. A student who speaks a dialect and consistently says /d/ for /TH/ would not be penalized for this pronunciation. Many other examples of articulation errors and dialect differences are possible.		
--	--	--

Scoring Rule 2: Mark a slash (/) through any incorrect sound segment. Score the entire sound segment as correct or incorrect.

Examples:

Words	Student response	How to score													
flag	/f/.../l/.../a/.../p/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> <u>/l/</u> <u>/a/</u> /g/</td><td><table><tr><td>3</td><td>/4</td></tr></table></td></tr><tr><td>sit</td><td>/s/.../if/.../t/</td><td><table><tr><td>sit <u>/s/</u> /i/ <u>/t/</u></td><td><table><tr><td>2</td><td>/3</td></tr></table></td></tr></table></td></tr></table> Note: The sound segment is judged in its entirety to be correct or incorrect. For example, if the word is <i>sit</i> and the student says /s/.../if/.../t/, mark a slash through the /i/ because there is no /if/ sound in the word <i>sit</i>.	Score		flag <u>/f/</u> <u>/l/</u> <u>/a/</u> /g/	<table><tr><td>3</td><td>/4</td></tr></table>	3	/4	sit	/s/.../if/.../t/	<table><tr><td>sit <u>/s/</u> /i/ <u>/t/</u></td><td><table><tr><td>2</td><td>/3</td></tr></table></td></tr></table>	sit <u>/s/</u> /i/ <u>/t/</u>	<table><tr><td>2</td><td>/3</td></tr></table>	2	/3
Score															
flag <u>/f/</u> <u>/l/</u> <u>/a/</u> /g/	<table><tr><td>3</td><td>/4</td></tr></table>	3	/4												
3	/4														
sit	/s/.../if/.../t/	<table><tr><td>sit <u>/s/</u> /i/ <u>/t/</u></td><td><table><tr><td>2</td><td>/3</td></tr></table></td></tr></table>	sit <u>/s/</u> /i/ <u>/t/</u>	<table><tr><td>2</td><td>/3</td></tr></table>	2	/3									
sit <u>/s/</u> /i/ <u>/t/</u>	<table><tr><td>2</td><td>/3</td></tr></table>	2	/3												
2	/3														

Scoring Rule 3: Circle the word if the student repeats the word without providing any sound segments.

Examples:

Words	Student response	How to score				
flag	flag	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/ /l/ /a/ /g/</u></td><td>0 /4</td></tr></table>	Score		flag <u>/f/ /l/ /a/ /g/</u>	0 /4
Score						
flag <u>/f/ /l/ /a/ /g/</u>	0 /4					
sit	sit	<table><tr><th colspan="2">Score</th></tr><tr><td>sit <u>/s/ /i/ /t/</u></td><td>0 /3</td></tr></table>	Score		sit <u>/s/ /i/ /t/</u>	0 /3
Score						
sit <u>/s/ /i/ /t/</u>	0 /3					
flag	/f/..flag	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> /l/ /a/ /g/</td><td>1 /4</td></tr></table>	Score		flag <u>/f/</u> /l/ /a/ /g/	1 /4
Score						
flag <u>/f/</u> /l/ /a/ /g/	1 /4					

Note: If the student says a sound segment and then repeats the entire word, underline the corresponding sound(s) and circle the word. The student receives credit for any correct sound segments.

Scoring Rule 4: Leave blank any omitted sounds.

Examples:

Words	Student response	How to score						
flag	/f/.../l/.../g/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag <u>/f/</u> /l/ /a/ <u>/g/</u></td><td><table><tr><td>3</td><td>/4</td></tr></table></td></tr></table>	Score		flag <u>/f/</u> /l/ /a/ <u>/g/</u>	<table><tr><td>3</td><td>/4</td></tr></table>	3	/4
Score								
flag <u>/f/</u> /l/ /a/ <u>/g/</u>	<table><tr><td>3</td><td>/4</td></tr></table>	3	/4					
3	/4							
sit	/s/.../t/	<table><tr><td>sit <u>/s/</u> /i/ <u>/t/</u></td><td><table><tr><td>2</td><td>/3</td></tr></table></td></tr></table>	sit <u>/s/</u> /i/ <u>/t/</u>	<table><tr><td>2</td><td>/3</td></tr></table>	2	/3		
sit <u>/s/</u> /i/ <u>/t/</u>	<table><tr><td>2</td><td>/3</td></tr></table>	2	/3					
2	/3							

Scoring Rule 5: Write “sc” over any corrected sound segments that had previously been slashed if the student self-corrects an error within 3 seconds.

Examples:

Words	Student response	How to score				
flag	eff...ell... /f/.../l/.../a/.../g/	<table><tr><th colspan="2">Score</th></tr><tr><td>flag sc /f/ sc /l/ /a/ /g/</td><td>4 /4</td></tr></table>	Score		flag sc /f/ sc /l/ /a/ /g/	4 /4
Score						
flag sc /f/ sc /l/ /a/ /g/	4 /4					
sit	/s/.../a/...I mean... /i/.../t/	<table><tr><td>sit /s/ sc /t/</td><td>3 /3</td></tr></table>	sit /s/ sc /t/	3 /3		
sit /s/ sc /t/	3 /3					
flag	/f/... /f/.../l/.../a/.../g/	<table><tr><td>flag /f/ /l/ /a/ /g/</td><td>4 /4</td></tr></table>	flag /f/ /l/ /a/ /g/	4 /4		
flag /f/ /l/ /a/ /g/	4 /4					

See Appendix F for Practice Scoring Sheet and Answer Key.

Model PSF Scoring Sheet

The following is an example of a completed scoring sheet. The scoring rules and scoring calculation are shown. This scoring sheet serves as a model and can be used during training and practice to support accurate administration and scoring of Acadience Reading.

3 Acadience Phoneme Segmentation Fluency

				Score
▶ boat <u>/b/</u> <u>/o/</u> <u>/t/</u>	log <u>/l/</u> <u>/o/</u> <u>/g/</u>	stuff <u>/s/</u> <u>/t/</u> /f/ <u>/t/</u>	judge <u>/j/</u> <u>/u/</u> <u>/j/</u>	10 /13
black <u>/b/</u> <u>/l/</u> <u>/a/</u> /k/	cane <u>/k/</u> ^{SC} /a/ <u>/n/</u>	verbs <u>/v/</u> <u>/ir/</u> <u>/b/</u> <u>/z/</u>	near /n/ <u>/ea/</u> <u>/r/</u>	11 /14
run <u>/r/</u> <u>/u/</u> <u>/n/</u>	seeds <u>/s/</u> <u>/ea/</u> <u>/d/</u> /z/	have <u>/h/</u> /v/ <u>/v/</u>	much <u>/m/</u> <u>/u/</u> <u>/ch/</u>	10 /13
clue <u>/k/</u> <u>/l/</u> <u>/oo/</u>	wet <u>/w/</u> <u>/e/</u> <u>/t/</u>	met <u>/m/</u> <u>/e/</u> <u>/t/</u>	new <u>/n/</u> <u>/oo/</u>	9 /11
hill <u>/h/</u> <u>/i/</u> <u>/l/</u>	groups <u>/g/</u> <u>/r/</u> <u>/oo/</u> <u>/p/</u> <u>/s/</u>	knife <u>/n/</u> <u>/ie/</u> <u>/f/</u>	bill <u>/b/</u> <u>/i/</u> <u>/l/</u>	6 /14
shake <u>/sh/</u> <u>/ai/</u> <u>/k/</u>	plane <u>/p/</u> <u>/l/</u> <u>/ai/</u> <u>/n/</u>	own <u>/oa/</u> <u>/n/</u>	ball <u>/b/</u> <u>/o/</u> <u>/l/</u>	 /12

Total: 46

PSF Response Patterns:

- ☐ Repeats word
- ☐ Makes random errors
- ☐ Says initial sound only
- ☐ Says onset rime
- ☐ Does not segment blends
- ☐ Adds sounds
- ☐ Makes consistent errors on specific sound(s)
- ☒ Other *some difficulty on vowel sounds and ending sounds*

Essential Early Literacy and Reading Skills	Acadience Reading Measure
Alphabetic Principle and Basic Phonics	Nonsense Word Fluency –Correct Letter Sounds –Whole Words Read



What are the alphabetic principle and basic phonics?

In order for students to learn how to read in an alphabetic writing system, they must first be able to map individual speech sounds to symbols. In the case of written English, these symbols are letters. Unlocking the reading code begins when associations are made between letters and sounds.

The alphabetic principle is comprised of two parts:

- *Alphabetic understanding*: Knowledge of letter-sound correspondences and the understanding that letters represent sounds in spoken words.
- *Phonological recoding*: The use of alphabetic understanding to decode or read unknown words.

Phonics is the system of letter-sound relationships that is the foundation for decoding words in print. Phonics skills must be explicitly taught and practiced (Ehri, 1991; Liberman & Liberman, 1990). A student's understanding of the alphabetic principle and basic phonics begins first by using letter-sound correspondences to segment and then blend simple CVC words, or to retrieve these correspondences to spell a word.

It is the automaticity with the sequences of letter sounds comprising frequent words and spelling patterns that enables skillful readers to process text quickly and easily (Adams, 1990). Development of the alphabetic principle and basic phonics is essential for decoding unknown words (Adams, 1990; Ehri, 2002) and for developing the sight-word vocabulary necessary for fluent reading (Share, 1995; Share & Stanovich, 1995).

Chapter 8: Nonsense Word Fluency (NWF)

Overview

Essential Early Literacy and Reading Skills	Alphabetic Principle and Basic Phonics
Administration Time	1 minute
Administration Schedule	Middle of kindergarten to beginning of second grade
Scores	• Number of Correct Letter Sounds (CLS) • Number of Whole Words Read (WWR) without sounding out
Wait Rule	If the student responds sound-by-sound, mixes sounds and words, or sounds out and recodes, allow 3 seconds, then provide the correct letter sound. If the student responds with whole words, allow 3 seconds, then provide the correct word.
Discontinue Rule	No correct letter sounds in the first row

What is NWF?

Nonsense Word Fluency (NWF) is a brief, direct measure of the alphabetic principle and basic phonics. It assesses knowledge of basic letter-sound correspondences and the ability to blend letter sounds into consonant-vowel-consonant (CVC) and vowel-consonant (VC) words. The test items used for NWF are phonetically regular make-believe (nonsense or pseudo) words. To successfully complete the NWF task, students must rely on their knowledge of letter-sound correspondences and how to blend sounds into whole words. One reason that nonsense word measures are considered to be a good indicator of the alphabetic principle is that “pseudo-words have no lexical entry, [and thus] pseudo-word reading provides a relatively pure assessment of students’ ability to apply grapheme-phoneme knowledge in decoding” (Rathvon, 2004, p. 138).

Following a model and a practice item, the student is presented with a sheet of randomly ordered VC and CVC nonsense words (e.g., *dif*, *ik*, *nop*). Standardized directions are used to ask the student to read the make-believe words the best they can, reading either the whole word or saying any sounds they know. For example, if the stimulus word is *tof*, the student could say /t/ /o/ /f/ or “tof.” The assessor underlines each correct letter sound produced either in isolation or blended together. Whole words read without sounding out are underlined in their entirety.

There are two separate scores reported for NWF:

1. Correct Letter Sounds (CLS) is the number of letter sounds produced correctly in 1 minute. For example, if the student reads *dif* as /d/ /i/ /f/ the score for Correct Letter Sounds is 3. If the student reads *dif* as /di/ /f/ or “dif,” the score is also 3.
2. Whole Words Read (WWR) is the number of make-believe words read correctly as a whole word, one time and only one time, without first being sounded out. For example, if the student reads *dif* as “dif,” the score is 3 points for CLS and 1 point for WWR, but if the student reads *dif* as “/d/ /i/ /f/ dif,” the score is 3 points for CLS but 0 points for WWR.

The goal is for students to read whole words on NWF; however, an advantage of NWF is that it allows for monitoring the development of the alphabetic principle and basic phonics as early as the middle of kindergarten, when producing individual letter sounds is the more common response.

Materials

- Scoring Booklet

• Pen/pencil

• Stopwatch
- Student materials

• Clipboard

Administration Directions

Follow these directions exactly each time with each student. Say the words in bold italic type verbatim. Begin with the practice activities. The practice activities are designed to introduce the assessment task to the student. They are untimed and include correction procedures. The correction procedures are not used once the testing begins. Put the student copy of the materials in front of the student and say the following:

► **We are going to read some make-believe words. Listen. This word is “sog.”** (Run your finger under the word as you say it.) **The sounds are /s/ /o/ /g/** (point to each letter). **Your turn. Read this make-believe word** (point to the word “mip”). **If you can’t read the whole word, tell me any sounds you know.**

Correct Whole Word Read mip	Very good reading the word “mip.”	(Begin testing.)
Correct Letter Sounds Any other response with all the correct letter sounds	Very good. /m/ /i/ /p/ (point to each letter) or “mip” (run your finger under the word as you say it).	(Begin testing.)
Incorrect response No response within 3 seconds, or response includes any errors	Listen. /m/ /i/ /p/ or “mip.” (Run your finger under the letters as you say the sounds.) Your turn. Read this make-believe word. (Point to the word “mip.”) If you can’t read the whole word, tell me any sounds you know.	Correct response Very good. (Begin testing.)
		Incorrect response Okay. (Begin testing.)

► Begin testing. **I would like you to read more make-believe words. Do your best reading. If you can’t read the whole word, tell me any sounds you know.** (Place the student copy in front of the student.) **Put your finger under the first word. Ready, begin.**

1. Start the stopwatch after you say **begin**.
2. During the testing:
 - Underline each correct letter sound the student says either in isolation or blended together. Use separate underlines to indicate reading sound-by-sound and a continuous underline to indicate blending together two or three sounds.
 - Mark a slash (/) through any letter sound read incorrectly.
 - At the end of **1 minute**, place a bracket after the last letter sound produced (even if it's in the middle of a nonsense word), say **Stop**, and stop the stopwatch. If the student completes the assessment before 1 minute, stop testing and record the student's score. Scores are not prorated.
3. Immediately after testing:
 - Reset the stopwatch for the next measure.
 - Make a note in the scoring booklet about any patterns in student responses that were not captured by the marking procedures.
4. At a later time (shortly after the testing when you are no longer with the student) compute the final score:
 - Record the total number of correct letter sounds (CLS) on the Total Correct Letter Sounds line of the NWF scoring page.
 - Record the total number of whole words read correctly (WWR) on the Total Whole Words Read line of the NWF scoring page.
 - Record each score in the appropriate box on the front page of the scoring booklet.

Scoring Rules

Correct Letter Sounds (CLS): The student receives credit for 1 CLS for each correct letter sound read in isolation or read as part of a make-believe word.

Whole Words Read (WWR): The student receives credit for 1 WWR for each whole word read correctly, one time and only one time, without first being sounded out.

1. Underline each letter sound the student says correctly, either in isolation or blended with other sounds in the word. For CLS, score the student's final answer. For WWR, give credit only if the student's first and only answer was to read the whole word correctly without first sounding it out.
2. Mark a slash (/) through any incorrect letter sound.
3. Leave blank any omitted letter sounds or words. When a student is reading sound-by-sound, leave blank any inserted letter sounds. When the student is reading word-by-word, slash the underline to indicate any inserted letter sounds.
4. Write "sc" above any letter sound that had been previously slashed and was self-corrected within 3 seconds. Count that letter sound as correct. Credit is given for WWR only when the student reads the whole word completely and correctly the first time, and reads the word only once.
5. Draw a line through any row the student skips. Do not count the row when scoring.

Discontinue Rule

Discontinue administering NWF if the student has not said any correct letter sounds in the first row. Record a score of 0 on the Total line on the scoring page and in the NWF score box on the cover page of the student booklet.

Wait Rule

Wait 3 seconds for the student to respond. If the student has been responding sound-by-sound, mixing sounds and words, or by sounding out and recoding, allow 3 seconds, then provide the correct letter sound.

If the student has been responding by reading the words as whole words, allow 3 seconds, then provide the correct word.

If the student hesitates in the middle of a word, wait 3 seconds, then provide the correct letter sound.

If providing the correct letter sound or word does not prompt the student to continue, say **Keep going**.

Reminders

If the student does not read from left to right, say **Go this way**. (Sweep your finger across the row.) *This reminder may be given only once.*

If the student says letter names, say **Say the sounds, not the letter names**. *This reminder may be given only once.*

If the student reads the word first, then says the letter sounds, say **Just read the word**. *This reminder may be given only once.*

If the student says all of the letter sounds correctly in the first row, but does not attempt to blend or recode, say **Try to read the words as whole words**.

If the student stops (and it's not a hesitation on a specific item), say **Keep going**. *This reminder may be used as often as needed.*

If the student loses his/her place, point. *This reminder may be used as often as needed.*

Notes:

1. Schwa sounds (/u/) added to consonants are not counted as errors when the student is saying letter sounds. Some phonemes cannot be pronounced correctly in isolation without a vowel, and some early learning of sounds includes the schwa.
2. Students are not penalized for differences in pronunciation due to dialect, articulation delays or impairments, or speaking a first language other than English.
3. Sometimes students sound out a word quietly or silently before reading it as a whole word. In those cases, we use the following guideline to minimize subjectivity in scoring. In order to determine that a student is sounding out the word, you have to hear them do it. This means that if you hear students sound out the word, they do not get credit for WWR. If students move their lips, nod their heads, or indicate in some other way they might be sounding out the word, but you do not hear them sound out the word, they get credit for WWR. Do make a note of your observations to inform instruction, however, as these students are not yet fully automatic in their decoding.

Examples of Scoring Rules

The following are examples of how to score responses on NWF. The examples do not encompass all possible responses. If in doubt about how to score a student response, refer to the scoring rules on the previous page. Please pay attention to the notes included with the examples as they provide scoring explanations and indicate variations and nuances related to the scoring.

Scoring Rule 1: Underline each letter sound the student says correctly, either in isolation or blended with other sounds in the word. For CLS, score the student’s final answer. For WWR, give credit only if the student’s first and only answer was to read the whole word correctly without first sounding it out.

Examples:

Student response

/k/.../i/.../f/

/u/.../k/

/s/.../e/.../b/

How to score

<u>k</u> <u>i</u> <u>f</u>	<u>u</u> <u>c</u>	<u>s</u> <u>e</u> <u>b</u>	CLS	WWR
8	/8 (8)	0		
a k	f o j	t e m	/8 (16)	

Note: Use separate underlines under each correct sound if the student correctly says the letter sounds in isolation but does not recode the sounds into words.

Student response

kif

uc

seb

How to score

<u>k i f</u>	<u>u c</u>	<u>s e b</u>	CLS	WWR
8	/8 (8)	3		
a k	f o j	t e m	/8 (16)	

Note: Use a continuous underline under all of the sounds if the student says all of the correct letter sounds and says them as a whole word.

Student response

/k/.../if/

/u/.../k/

/se/.../b/

How to score

<u>k</u> <u>i</u> <u>f</u>	<u>u</u> <u>c</u>	<u>s</u> <u>e</u> <u>b</u>	CLS	WWR
8	/8 (8)	0		
a k	f o j	t e m	/8 (16)	

Note: Underline exactly the way the student says the sounds for partially blended words.

Student response /k/.../i/.../f/...kif /u/.../k/...uc /s/.../eb/...seb

How to score

			CLS	WWR
<u>k</u> <u>i</u> <u>f</u>	<u>u</u> <u>c</u>	<u>s</u> <u>e</u> <u>b</u>	8 ^{/8} (8)	0
a k	f o j	t e m	^{/8} (16)	

Note: Indicate exactly the way the student reads the word, even if multiple rows of underlines are required. Score the student's final answer for CLS. This pattern is sounding out and recoding, and is not scored as a whole word read. Credit is given for WWR only when the student reads the whole word completely and correctly the first time.

Student response /k/.../i/.../k/.../if/.../kif/
/uk/.../u/.../k/
/seb/.../seb/

How to score

			CLS	WWR
<u>k</u> <u>i</u> <u>f</u>	<u>u</u> <u>c</u>	<u>s</u> <u>e</u> <u>b</u>	8 ^{/8} (8)	0
a k	f o j	t e m	^{/8} (16)	

Note: If the student repeats the letter sounds while sounding out a word, show it with multiple underlines but give credit for each sound only once. To receive a point for WWR, the student must read the whole word correctly the first time, and read the word only once.

Student response /f/.../i/.../k/ (student points correctly)
/k/.../u/ (student points correctly)
/b/.../e/.../s/ (student doesn't point correctly)

How to score

			CLS	WWR
<u>k</u> <u>i</u> <u>f</u>	<u>u</u> <u>c</u>	f <u>e</u> s	6 ^{/8} (8)	0
a k	f o j	t e m	^{/8} (16)	

Note: Letter sounds said correctly in isolation but out of order are scored as correct **if the student points correctly** to the letter(s). The purpose of this rule is to give students credit as they are beginning to learn individual letter-sound correspondences.

Student response fik ku bes

How to score

			CLS	WWR
k i f	u ɔ	s e b	2 ^{/8} (8)	0
a k	f o j	t e m	^{/8} (16)	

Note: Blended sounds must be in the correct position to receive credit. Give credit if the medial vowel is produced correctly, even within a word with other incorrect sounds. No credit is given for WWR. Although the sounds were blended together, they were not in the correct order.

Student response /k/.../i/.../v/ uc theb

How to score

			CLS	WWR
<u>k</u> <u>i</u> <u>f</u>	<u>u</u> <u>c</u>	<u>s</u> <u>e</u> <u>b</u>	8 ^{/8} (8)	2
a k	f o j	t e m	^{/8} (16)	

Note: Students are not penalized for articulation errors when the error is known to the assessor and is part of the student's typical speech. If in doubt, score it as incorrect. If necessary, have the student retested by someone familiar with his/her speech or articulation pattern.

Student response /ku/.../i/.../fu/ /u/.../ku/ seb

How to score

			CLS	WWR
<u>k</u> <u>i</u> <u>f</u>	<u>u</u> <u>c</u>	<u>s</u> <u>e</u> <u>b</u>	8 ^{/8} (8)	1
a k	f o j	t e m	^{/8} (16)	

Note: Students are not penalized for putting a schwa sound after consonants.

Scoring Rule 2: Mark a slash (/) through any incorrect letter sound.

Examples:

Student response	/k/.../i/.../p/	/i/.../k/	sed									
How to score	<table><tr><td></td><td>CLS</td><td>WWR</td></tr><tr><td><u>k</u> <u>i</u> / <u>s</u> <u>e</u> <u>b</u></td><td>5 ^{/8} (8)</td><td>0</td></tr><tr><td>a k f o j t e m</td><td>^{/8} (16)</td><td></td></tr></table>				CLS	WWR	<u>k</u> <u>i</u> / <u>s</u> <u>e</u> <u>b</u>	5 ^{/8} (8)	0	a k f o j t e m	^{/8} (16)	
	CLS	WWR										
<u>k</u> <u>i</u> / <u>s</u> <u>e</u> <u>b</u>	5 ^{/8} (8)	0										
a k f o j t e m	^{/8} (16)											

Student response	/k/.../ie/.../f/	/u/.../s/	seab									
How to score	<table><tr><td></td><td>CLS</td><td>WWR</td></tr><tr><td><u>k</u> / <u>f</u> <u>u</u> / <u>s</u> <u>e</u> <u>b</u></td><td>5 ^{/8} (8)</td><td>0</td></tr><tr><td>a k f o j t e m</td><td>^{/8} (16)</td><td></td></tr></table>				CLS	WWR	<u>k</u> / <u>f</u> <u>u</u> / <u>s</u> <u>e</u> <u>b</u>	5 ^{/8} (8)	0	a k f o j t e m	^{/8} (16)	
	CLS	WWR										
<u>k</u> / <u>f</u> <u>u</u> / <u>s</u> <u>e</u> <u>b</u>	5 ^{/8} (8)	0										
a k f o j t e m	^{/8} (16)											

Note: The student gets credit for saying the most common sound for each letter according to basic phonics rules. Vowels should be pronounced with the short vowel sound.

Student response	/k/...(3 seconds)...(assessor says, “/i/”).../f/ /u/.../k/ /s/.../e/...(3 seconds)...(assessor says, “/b/”).../b/									
How to score	<table><tr><td></td><td>CLS</td><td>WWR</td></tr><tr><td><u>k</u> / <u>f</u> <u>u</u> <u>c</u> <u>s</u> <u>e</u> <u>b</u> /</td><td>6 ^{/8} (8)</td><td>0</td></tr><tr><td>a k f o j t e m</td><td>^{/8} (16)</td><td></td></tr></table>		CLS	WWR	<u>k</u> / <u>f</u> <u>u</u> <u>c</u> <u>s</u> <u>e</u> <u>b</u> /	6 ^{/8} (8)	0	a k f o j t e m	^{/8} (16)	
	CLS	WWR								
<u>k</u> / <u>f</u> <u>u</u> <u>c</u> <u>s</u> <u>e</u> <u>b</u> /	6 ^{/8} (8)	0								
a k f o j t e m	^{/8} (16)									

Note: If the student is reading individual letter sounds and hesitates for more than 3 seconds, provide the letter sound and mark it as incorrect.

Student response kif...(3 seconds)...(assessor says, “uc”)...seb

How to score

			CLS	WWR
<u>k</u> i f	u c	<u>s</u> e b	6 ^{/8} (8)	2
a k	f o j	t e m	^{/8} (16)	

Note: If the student is reading whole words and hesitates for more than 3 seconds, provide the word and score it as incorrect. Mark a slash through any letters or words that were told to the student because they were not read within 3 seconds.

Student response /k/.../i/.../f/...kef /u/.../k/...ic /s/.../e/.../b/...sib

How to score

			CLS	WWR
<u>k</u> i <u>f</u>	u <u>c</u>	<u>s</u> e <u>b</u>	5 ^{/8} (8)	0
a k	f o j	t e m	^{/8} (16)	

Note: Score the student's final answer for CLS.

Scoring Rule 3: Leave blank any omitted letter sounds or words. When a student is reading sound-by-sound, leave blank any inserted letter sounds. When the student is reading word-by-word, slash the underline to indicate any inserted letter sounds.

Examples:

Student response kif...se...ak...foj...tem

How to score

			CLS	WWR
<u>k</u> i f	u c	<u>s</u> e b	5 ^{/8} (8)	1
<u>a</u> k	<u>f</u> o j	<u>t</u> e m	8 ^{/8} (16)	3

Student response	/k/.../f/ ak	/u/.../k/ folj	/s/.../t/.../e/.../b/ stem									
How to score	<table><tr><td></td><td>CLS</td><td>WWR</td></tr><tr><td><u>k</u> i <u>f</u> <u>u</u> c <u>s</u> e <u>b</u></td><td>7^{/8} (8)</td><td>0</td></tr><tr><td><u>a</u> k <u>f</u> o <u>/j</u> <u>/t</u> e m</td><td>8^{/8} (16)</td><td>1</td></tr></table>				CLS	WWR	<u>k</u> i <u>f</u> <u>u</u> c <u>s</u> e <u>b</u>	7 ^{/8} (8)	0	<u>a</u> k <u>f</u> o <u>/j</u> <u>/t</u> e m	8 ^{/8} (16)	1
		CLS	WWR									
<u>k</u> i <u>f</u> <u>u</u> c <u>s</u> e <u>b</u>	7 ^{/8} (8)	0										
<u>a</u> k <u>f</u> o <u>/j</u> <u>/t</u> e m	8 ^{/8} (16)	1										

Note: Leave blank any inserted sounds. If inserting sounds is a frequent response, make a note in the margin of the student scoring booklet. No credit is given for WWR when a sound is inserted. Put a slash through the underline to indicate inserted sounds when the student is reading word-by-word.

Scoring Rule 4: Write “sc” above any letter sound that had been previously slashed and was self-corrected within 3 seconds. Count that letter sound as correct. No credit is given for WWR unless the student reads the whole word completely and correctly the first time, and reads the word only once.

Examples:

Student response

/k/.../e/.../f/...I mean /k/.../i/.../f/
ic...uc
sed...I mean...seb

How to score

	CLS	WWR
$\underline{\overset{sc}{k}} / \underline{f}$ $\underline{\overset{sc}{i}} \underline{c}$ $\underline{\underline{s}} \underline{e} \underline{\overset{sc}{b}}$	8 ^{/8} (8)	0
a k f o j t e m	^{/8} (16)	

Note: Give students credit on CLS for self-corrects within 3 seconds.

Student response

/k/.../e/.../f/...kif /oo/.../k/...uc /s/.../i/.../b/...seb

How to score

	CLS	WWR
$\underline{\underline{\overset{sc}{k}}} / \underline{\underline{f}}$ $\underline{\overset{sc}{i}} \underline{c}$ $\underline{\underline{s}} \underline{\overset{sc}{e}} \underline{\underline{b}}$	8 ^{/8} (8)	0
a k f o j t e m	^{/8} (16)	

Note: Score the student's final answer for CLS. If the word is not read completely and correctly the first time, then no credit is given for WWR.

Scoring Rule 5: Draw a line through any row the student skips. Do not count the row when scoring.

Example:

Student response

kif
wij

uc
lan

seb
zug

How to score

	CLS	WWR
<u>k</u> <u>i</u> <u>f</u> <u>u</u> <u>c</u> <u>s</u> <u>e</u> <u>b</u>	8 ^{/8} (8)	3
a k — f o j — t e m	0 ^{/8} (16)	0
<u>w</u> <u>i</u> <u>j</u> <u>l</u> <u>a</u> <u>n</u> <u>z</u> <u>u</u> <u>g</u>	9 ^{/9} (25)	3

See Appendix F for Practice Scoring Sheet and Answer Key.

Model NWF Scoring Sheet

The following is an example of a completed scoring sheet. The scoring rules and scoring calculation are shown. This scoring sheet serves as a model and can be used during training and practice to support accurate administration and scoring of Acadience Reading.

3 Acadience Nonsense Word Fluency

	CLS	WWR
▶ <u>b</u> <u>a</u> <u>c</u> <u>r</u> <u>o</u> <u>z</u> <u>e</u> <u>m</u> <u>w</u> <u>u</u> <u>t</u> <u>d</u> <u>i</u> <u>l</u>	14 ^{/14} (14)	1
<u>p</u> <u>o</u> <u>j</u> <u>k</u> <u>i</u> <u>p</u> <u>z</u> <u>e</u> <u>d</u> <u>u</u> <u>j</u> <u>h</u> <u>a</u> <u>p</u>	14 ^{/14} (28)	2
<u>v</u> <u>e</u> <u>z</u> <u>s</u> <u>i</u> <u>g</u> <u>j</u> <u>o</u> <u>k</u> <u>n</u> <u>o</u> <u>d</u> <u>d</u> <u>u</u> <u>v</u>	14 ^{/15} (43)	1
<u>e</u> <u>n</u> <u>f</u> <u>i</u> <u>j</u> <u>z</u> <u>o</u> <u>p</u> <u>r</u> <u>a</u> <u>s</u> <u>t</u> <u>i</u> <u>k</u>	13 ^{/14} (57)	3
<u>a</u> <u>g</u> <u>w</u> <u>i</u> <u>c</u> n o l n e g k u z	4 ^{/14} (71)	1
k e k v i v d o d p a v j u c	/15 (86)	
m u s a v w e c m i v d o p	/14 (100)	
t a c l i z v u l f o s e g	/14 (114)	
d i f t o v z e z n u s w a n	/15 (129)	
j a d o b h i z m e k n u m	/14 (143)	

Total Correct Letter Sounds (CLS): 59

Total Whole Words Read (WWR): 8

NWF Response Patterns:

- | | |
|---|--|
| ☐ Says correct sounds out of order (sound-by-sound) | ☐ Doesn't track correctly |
| ☐ Makes random errors | ☐ Tries to turn nonsense words into real words |
| ☐ Says correct sounds, does not recode | ☐ Makes consistent errors on specific letter sound(s) |
| ☐ Says correct sounds, recodes out of order | ☐ Other |
| ☐ Says correct sounds, recodes with incorrect sound(s) | |
| ☐ Says correct sounds and correctly recodes | |

Essential Early Literacy and Reading Skills	Acadience Reading Measures
Advanced Phonics and Word Attack Skills	Oral Reading Fluency –Accuracy
Accurate and Fluent Reading of Connected Text	Oral Reading Fluency –Correct Words Per Minute –Accuracy
Reading Comprehension	Oral Reading Fluency –Correct Words Per Minute –Retell Total/Quality of Response

What are advanced phonics and word attack skills?

Advanced phonics skills are an extension of basic phonics skills such as letter-sound correspondence and decoding of simple letter patterns and syllables. Advanced phonics includes skills such as recognizing common sounds related to combinations of letters (e.g., digraphs, blends, vowel teams, trigraphs), understanding the way the position of the letter(s) in a syllable or word affects the sound, and knowledge of affixes. Word attack skills are the approach to pronouncing and knowing the meaning of a word through the application of phonics, the use of context, and knowledge of morphology. Advanced phonics and word attack skills facilitate the accurate and automatic reading of connected text.

What is accurate and fluent reading of connected text?

Accuracy and fluency with connected text, both critical components of skilled reading, allow meaning to be gained from text. To read a text easily and make sense of it, a large percentage of the words must be decoded effortlessly (Ehri, 1998). Reading fluency depends on well-developed word attack skills (National Reading Panel, 2000), efficient and automatic decoding of regular and irregular words, and the use of expression and phrasing while reading aloud (Dowhower, 1991; Schreiber, 1987, 1991). Oral reading fluency in connected text is more than the accurate reading of words in lists and is not speed-reading. Oral reading fluency can be described as the bridge between accurate, automatic, word-level decoding and reading comprehension.

What is reading comprehension?

Reading comprehension represents the ultimate goal of instruction in the other essential early literacy and reading skills. It is a complex collection of skills that includes accurate and fluent reading, monitoring while reading, and the ability to use cognitive strategies flexibly to gain meaning from text (Goldman & Rakestraw, 2000; Pressley, 2000). While reading comprehension is dependent on decoding skills, decoding skills by themselves are not enough (Adams, 1990). In addition to decoding, reading comprehension requires access to linguistic knowledge about syntax, semantics, and word morphology (Catts & Kahmi, 1999; McGuinness, 2005); prior knowledge about words in a given context (Duke, Pressley & Hilden, 2004); and reasoning skill. It is only through the skillful interplay of both bottom-up decoding skills and top-down meaning-making skills that the student reads for meaning.

What is the relationship between oral reading fluency and reading comprehension?

The relationship between oral reading fluency and reading comprehension is strong and complex and has been extensively researched (Crowder & Wagner, 1992; LaBerge & Samuels, 1974; Perfetti, 1985; Wolf & Katzir-Cohen, 2001). While a recognized relationship between oral reading fluency and comprehension exists, more research will further illuminate the nature of the reciprocal relationship. Reading fluency by itself is not sufficient for comprehension. Vocabulary and language knowledge also play a direct role in reading comprehension, and overall vocabulary instruction does improve comprehension (Stahl & Fairbanks, 1986). On the other hand, well-developed vocabulary and oral language skills by themselves are also not sufficient for reading comprehension. The student also must access the text fluently and automatically.

Chapter 9: Oral Reading Fluency (ORF)

Overview

Essential Early Literacy and Reading Skills	Advanced Phonics and Word Attack Skills Accurate and Fluent Reading of Connected Text Reading Comprehension
Administration Time	1 minute plus 1 minute maximum for Retell
Administration Schedule	Middle of first grade through end of sixth grade
Scores	• Median number of words correct per minute (Words Correct) • Median number of errors per minute (Errors) • Median number of correct words in the Retell • Median Quality of Response for the Retell
Wait Rule	On ORF, 3 seconds; On Retell, first hesitation 3 seconds
Discontinue Rule	If no words are read correctly in the first line, say Stop, record a score of 0, and do not administer Retell. If fewer than 10 words are read correctly on passage #1 during benchmark assessment, do not administer Retell or passages #2 and #3. If fewer than 40 words are read correctly on any passage, use professional judgment whether to administer Retell for that passage.

What is ORF?

Oral Reading Fluency (ORF) is a measure of advanced phonics and word attack skills, accurate and fluent reading of connected text, and reading comprehension. The ORF passages and procedures are based on the program of research and development of Curriculum-Based Measurement of reading by Stan Deno and colleagues at the University of Minnesota (Deno, 1989). There are two parts to ORF: orally reading a passage and retelling the passage. For the oral reading part, students are given an unfamiliar, grade-level passage of text and asked to read for 1 minute. Errors such as substitutions, omissions, and hesitations for more than 3 seconds are marked while listening to the student read aloud. For benchmark assessment, students are asked to read three different grade-level passages for 1 minute each. The score is the median number of words read correctly and the median number of errors across the three passages. Using the median score from three passages gives the best indicator of student performance over a range of different text and content. The oral reading part of the measure can be used from the middle of first grade through the end of sixth grade.

The passage Retell part of ORF follows the reading of each passage, *provided that the student has read at least 40 words correct per minute on a given passage*. Passage Retell is intended to provide a comprehension check for the ORF assessment, and provides an indication that the student is reading for meaning. With a prompted passage Retell, the student is instructed to read for meaning. Speed-reading without attending to text comprehension is undesirable and will be readily apparent in the student's Retell.

Case studies have documented students who can read words but not comprehend what they read (Dewitz & Dewitz, 2003). There is concern that students who display similar reading behavior will not be identified without a comprehension check. Passage Retell provides an efficient procedure to identify those students who are not able to talk about what they have just read. Inclusion of passage Retell also explicitly instructs students to be reading fluently for meaning. The quality of a student's Retell provides valuable information about overall reading proficiency and oral language skills.

During Retell, the student is asked to tell about what he/she has read. Passage Retell provides a valuable indicator of reading comprehension. The assessor indicates the number of words in the Retell that are related to the passage by drawing through a box of numbers. Following a hesitation of 3 seconds, students are prompted to tell as much as they can about the passage. If the student hesitates again for 5 seconds or longer, or if the student is clearly responding for 5 seconds in a way that is not relevant to the passage, the task is discontinued. The assessor must make a judgment about the relevance of the Retell to the passage. Retell can be used from the middle of first grade through the end of sixth grade. A quality of response rating allows the assessor to make a qualitative rating of the quality of the student's response. The rating should be based on how well the student retold the portion of the passage that he/she read.

Materials

- Scoring Booklet
- Pen/pencil
- Stopwatch
- Student materials
- Clipboard

Administration Directions

For Oral Reading Fluency:

Follow these directions exactly each time with each student. Say the words in bold italic type verbatim. Put the student copy of the reading passage in front of the student and say the following:

► ***I would like you to read a story to me. Please do your best reading. If you do not know a word, I will read the word for you. Keep reading until I say “stop.” Be ready to tell me all about the story when you finish.*** (Place the passage in front of the student.)

► Begin testing. ***Put your finger under the first word*** (point to the first word of the passage). ***Ready, begin.***

1. Do not read the title to the student. If the student chooses to read the title, do not start the stopwatch until he/she reads the first word of the passage. If the student asks you to tell him/her a word in the title or struggles with a word in the title for 3 seconds, say the word. Do not correct any errors the student makes while reading the title.
2. Start the stopwatch after the student says the first word of the passage. If the student is silent or struggles for 3 seconds with the first word of the passage, say the word, mark it as incorrect, and start the stopwatch.

3. During benchmark assessment, three passages are administered *if the student reads 10 or more words correctly on the first passage*. When administering the second and third passages, use the following shortened directions:

► **Now read this story to me. Please do your best reading. Ready, begin.**

4. During the testing:

- Follow along in the student's scoring booklet.
- Leave blank any words read correctly. Mark a slash (/) through errors (including skipped words).
- The maximum wait time for each word is 3 seconds. If the student does not provide the word within 3 seconds, say the word and mark it as incorrect.
- During benchmark assessment, students read three different passages, for 1 minute each. *If the student reads fewer than 10 words correctly on the first passage*, record his/her score for words correct and errors on the front cover of the booklet, and do not administer passages 2 and 3.
- At the end of **1 minute**, place a bracket (]) in the text after the last word provided by the student. Say **Stop** and remove the passage. If the student completes the assessment before 1 minute, stop testing and record the student's score. Scores are not prorated.

Note: If the student is in the middle of a sentence at the end of 1 minute, you may allow the student to finish the sentence, but score only the words said up to the end of 1 minute.

5. *If the student reads 40 or more words correctly on the passage*, have the student Retell what he/she has just read using the directions provided below. *If the student reads fewer than 40 words correctly on a passage*, use professional judgment whether to administer Retell for that passage.

For Retell:

1. Remove the passage from the student and say the following:

► **Now tell me as much as you can about the story you just read. Ready, begin.**

2. Start the stopwatch and allow a maximum of 1 minute for the Retell.
3. The first time the student stops or hesitates for 3 seconds, select one of the following:
- If the student has not said anything at all, provides a very limited response, or provides an off-track response, say **Tell me as much as you can about the story.**
 - Otherwise, ask **Can you tell me anything more about the story?** *This reminder may be used only once.*

After the reminder, the next time the student hesitates or gets off track for 5 seconds, say **Thank you**, discontinue the task, and record the score on the front of the student's scoring booklet.

4. During the testing:

- As the student is responding, move your pen through the Retell numbers grid that appears after the passage to count the number of words the student says that are related to the passage.

- Stop moving your pen through the numbers if the student stops retelling the story or if his/her Retell is not relevant to the story just read.
- If the student's response goes on for more than 1 minute, say **Thank you**, discontinue the task, circle the total number of words in the student's Retell, and record the number on the Retell Total line.
- When the student has finished responding or has met the discontinue criteria, circle the total number of words in the student's Retell, and record the number on the Retell Total line.

After testing:

1. Immediately after testing:

- Score reading passages immediately after administration. Use the cumulative word count to determine the total number of words read. Record that total on the Total Words line on the scoring page.
- Record the number of errors (including skipped words) on the Errors line on the scoring page.
- Subtract the number of errors from the total words to get the number of words correct and record it on the Words Correct line.
- Use the Retell Quality of Response Rubric (below) to rate the quality of the student's Retell response, based on the portion of the passage that the student read. These ratings are not used for determining the ORF score, but may be helpful for focusing additional comprehension assessment or comprehension instruction. Circle the Retell Quality of Response Rating.

Quality of Response:

- 1** Provides 2 or fewer details
- 2** Provides 3 or more details
- 3** Provides 3 or more details in a meaningful sequence
- 4** Provides 3 or more details in a meaningful sequence that captures a main idea

2. At a later time (shortly after the testing when you are no longer with the student) compute the student's final ORF scores:

- During benchmark assessment, if the student reads three passages, record all three Words Correct scores and all three error counts on the front cover of the student's scoring booklet, and circle the median (middle) Words Correct score and median (middle) error count. For example, if the Words Correct across the three passages are 42, 28, and 35, circle the 35. If the student's errors are 4, 6, and 7, circle the 6. If two scores are the same number, that number is the median. For example, if the scores are 62, 58, and 62, the median is 62. If the student read fewer than 10 words correctly on the first passage during benchmark assessment and, thus, was not administered the second or third passage, record the Words Correct and error count for the first passage on the student's scoring booklet cover and circle them. Do not record scores for the second or third passage.
- During benchmark assessment, if the student provides a Retell after all three passages, record all three Retell scores and all three Quality of Response values on the front cover of the student's scoring booklet and circle the median (middle) score and median (middle) Quality of Response. For example, if the student's Retell scores across the three passages are 12, 8, and 5, circle the 8. If two scores are the same number, that number is the median. For example, if the Quality of Response

values are 2, 3, and 2, the median is 2. If the student meets the criteria to engage in Retell on only two passages, the median is the average of the two numbers. If the result is a decimal, round it to the nearest whole number. If the student meets the criteria to engage in Retell on only one passage, record the score on the cover of the student's scoring booklet and circle it. Do not record Retell or Quality of Response scores for passages for which Retell was not administered.

- Most data management services will calculate the student's accuracy rate for you. To calculate the accuracy yourself, use the following formula:

$$\text{Accuracy} = 100 \times \frac{\text{median words correct}}{\text{median words correct} + \text{median errors}}$$

Scoring Rules for ORF

The student receives 1 point for each word read correctly in 1 minute.

1. Leave blank any words the student reads correctly. Inserted words are not counted. To be counted as correct, words must be read as whole words and pronounced correctly for the context of the sentence.
2. Mark a slash (/) through any errors. Errors include words read incorrectly, substitutions, skipped words, hesitations of more than 3 seconds, words read out of order, and words that are sounded out but not read as a whole word.

Discontinue Rule

Discontinue administering ORF if the student reads zero words correctly in the first line of the first passage. Record a score of 0 on the "Total words" line on the scoring page and in the ORF Words Correct score box on the front cover of the student's scoring booklet. If the student reads fewer than 10 words correctly on the first passage during benchmark assessment, do not administer Retell or the second and third passages. If the student reads fewer than 40 words correctly on any passage, use professional judgment on whether to administer Retell for that passage.

Wait Rule

Wait 3 seconds for the student to respond. If the student hesitates for 3 seconds on a word, mark a slash (/) through it and read the word to the student. If necessary, indicate for the student to continue with the next word by pointing.

Reminders

If the student stops reading (and it's not a hesitation on a specific item), say ***Keep going.*** *This reminder may be used as often as needed.*

If the student loses her/his place while reading, point. *This reminder may be used as often as needed.*

Note:

Students are not penalized for differences in pronunciation due to dialect, articulation delays or impairments, or for pronunciations due to speaking a first language other than English.

Examples of Scoring Rules

The following are examples of how to score responses on ORF. The examples do not encompass all possible responses. If in doubt about how to score a student response, refer to the scoring rules above. Please pay attention to the notes included with the examples as they provide scoring explanations and indicate variations and nuances related to the scoring.

Scoring Rule 1: Leave blank any words the student reads correctly. Inserted words are not counted. To be counted as correct, words must be read as whole words and pronounced correctly for the context of the sentence.

Examples:

Student response	It was hot at the beach.			
	0	It was hot at the beach.]	Mr. Smith doesn't mind the heat. He has	14
How to score	14	had a part-time job there as a lifeguard for twenty-four years.		27
	Total words: <u>6</u>			
	Errors (include skipped words): – <u>0</u>			
	Words correct: = <u>6</u>			

Student response	It was hot at the /b/ /ea/ /ch/ beach.			
	0	It was hot at the beach.]	Mr. Smith doesn't mind the heat. He has	14
How to score	14	had a part-time job there as a lifeguard for twenty-four years.		27
	Total words: <u>6</u>			
	Errors (include skipped words): – <u>0</u>			
	Words correct: = <u>6</u>			

Note: To be counted as correct, the whole word must be read.

Student response

It was hot and sunny at the beach.

How to score

0	It was hot at the beach.]	Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.		27
Total words: =			<u>6</u>
Errors (include skipped words): –			<u>0</u>
Words correct: =			<u>6</u>

Note: Inserted words are ignored and not counted as errors. The student does not get additional credit for inserted words. If the student frequently inserts extra words, note the pattern at the bottom of the scoring page.

Student response

It was hot at the at the beach.

How to score

0	It was hot at the beach.]	Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.		27
Total words: =			<u>6</u>
Errors (include skipped words): –			<u>0</u>
Words correct: =			<u>6</u>

Note: Words that are repeated and phrases that are re-read are not scored as incorrect and are ignored in scoring.

Student response

It was hot at the bank...I mean beach.

How to score

0	It was hot at the ^{sc} bank .]	Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.		27
Total words: =			<u>6</u>
Errors (include skipped words): –			<u>0</u>
Words correct: =			<u>6</u>

Note: A word is scored as correct if it is initially mispronounced but the student self-corrects within 3 seconds. Mark “sc” above the word and score as correct.

Student response

It was hot at the beach in Dubai.

How to score

0	It was hot at the beach in Dubai.]	Mr. Smith doesn't mind the heat.	14
14	He has had a part-time job there as a lifeguard for twenty-four years.		29
Total words:			<u>8</u>
Errors (include skipped words): –			<u>0</u>
Words correct: =			<u>8</u>

Note: If the student reads a proper noun with correct pronunciation or with any reasonable phonetic pronunciation, it is counted as correct. Reasonable phonetic pronunciation includes, but is not limited to, left to right sequential decoding, an accurate number of phonemes, and errors that represent knowledge of probable phonetic decoding based upon English orthography (McGuinness, 1997). This rule applies to all proper nouns.

Student response

It was hot at the beach. Mister Smith doesn't mind the heat. He has had a part-time job there as a lifeguard for twenty-four years.

How to score

0	It was hot at the beach. Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.]	27
Total words:		<u>27</u>
Errors (include skipped words): –		<u>0</u>
Words correct: =		<u>27</u>

Note: (1) Abbreviations should be read in the way they would be pronounced in conversation. (2) Numerals must be read correctly within the context of the sentence. (3) Hyphenated words count as two words (and two errors) if both parts can stand alone as individual words. Hyphenated words count as one word if either part cannot stand alone as an individual word (e.g., *x-ray*, *t-shirt*).

Scoring Rule 2: Mark a slash (/) through any errors. Errors include words read incorrectly, substitutions, skipped words, hesitations of more than 3 seconds, words read out of order, and words that are sounded out but not read as a whole word.

Examples:

Student response	It is hot at the beach.		
	0	It was hot at the beach.] Mr. Smith doesn't mind the heat. He has	14
	14	had a part-time job there as a lifeguard for twenty-four years.	27
How to score	Total words: <u>6</u> Errors (include skipped words): – <u>1</u> Words correct: = <u>5</u>		

Student response	It was hot at the /b/ /e/ /a/ /ch/.		
	0	It was hot at the beach.] Mr. Smith doesn't mind the heat. He has	14
	14	had a part-time job there as a lifeguard for twenty-four years.	27
How to score	Total words: <u>6</u> Errors (include skipped words): – <u>1</u> Words correct: = <u>5</u>		

Note: Students must read the whole word, not just the sounds, to be counted as correct.

Student response	It was hot at the barn. Mr. Smith doesn't mind the heat. He has had a part-time job at the barn as a lifeguard for twenty-four years.		
	0	It was hot at the beach. Mr. Smith doesn't mind the heat. He has	14
	14	had a part-time job at the beach as a lifeguard for twenty-four years.]	29
How to score	Total words: <u>29</u> Errors (include skipped words): – <u>2</u> Words correct: = <u>27</u>		

Note: If a student reads the same word incorrectly multiple times in the passage, it counts as an error each time.

Student response

It was at the beach.

How to score

0	It was hot at the beach.]	Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.		27
Total words:			<u>6</u>
Errors (include skipped words): –			<u>1</u>
Words correct: =			<u>5</u>

Note: Omitted words are scored as incorrect.

Student response

It was hot at the beach. Mr. Smith doesn't mind the heat. He has usually works on weekends when the beach is crowded.

How to score

0	It was hot at the beach. Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years. He	28
28	usually works on weekends when the beach is crowded.]	37
Total words:		<u>37</u>
Errors (include skipped words): –		<u>14</u>
Words correct: =		<u>23</u>

Note: If a student skips a row of text, draw a line through the entire row and count the omitted words as errors.

Student response

It was high at the beach.

How to score

0	It was hot at the beach.]	Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.		27
Total words:			<u>6</u>
Errors (include skipped words): –			<u>1</u>
Words correct: =			<u>5</u>

Note: If a student substitutes a word for the word that is written on the page, it is an error.

Student response

It was hot at the b...b...b...be...(3 seconds)...(assessor says “beach”).

How to score

0	It was hot at the beach.] Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.	27
Total words: <u>6</u>		
Errors (include skipped words): – <u>1</u>		
Words correct: = <u>5</u>		

Note: If a student hesitates or struggles with a word for 3 seconds, tell the student the word and mark the word as incorrect. If necessary, indicate for the student to continue with the next word by pointing.

Student response

Mr. Smith duv into the ocean to cool off.

How to score

0	Mr. Smith dove into the ocean to cool off.] It was hot at the	14
14	beach but Mr. Smith didn't mind. He has had a part-time job there	28
28	as a lifeguard for twenty-four years.	35
Total words: <u>9</u>		
Errors (include skipped words): – <u>1</u>		
Words correct: = <u>8</u>		

Note: If a word is pronounced incorrectly given the context of the sentence, it is scored as an error.

Student response

It was hot at the beach. Mister Smith does not mind the heat. He has had a part-time job there as a lifeguard for twenty-four years.

How to score

0	It was hot at the beach. Mr. Smith doesn't mind the heat. He has	14
14	had a part-time job there as a lifeguard for twenty-four years.]	27
Total words: <u>27</u>		
Errors (include skipped words): – <u>1</u>		
Words correct: = <u>26</u>		

Note: Students should read contractions as they are printed on the page.

Student response	It was hot at the beach. Mister Smith doesn't heat the mind. He has had a part-time job there as a lifeguard for twenty-four years.		
How to score	0	It was hot at the beach. Mr. Smith doesn't mind the heat . He has	14
	14	had a part-time job there as a lifeguard for twenty-four years.]	27
	Total words: <u>27</u>		
	Errors (include skipped words): – <u>2</u>		
	Words correct: = <u>25</u>		
Note: Words must be read in the order they appear on the page to be considered a correctly read word.			

Scoring Rules for Retell

The student receives 1 point for every word in his/her Retell that is related to the passage.

- Count as correct any words in the response that are related to the passage. The judgment is based on whether the student is retelling the passage or has gotten off track on another passage or topic. Move your pen through a number in the scoring booklet for each word the student provides that is related to the passage.
- Count as incorrect any words in the response that are not related to the passage that the student read. Do not move your pen through a number in the scoring booklet for words that are not related to the passage that the student read.

Discontinue Rule

After the first Wait Rule reminder (see below), if the student does not say anything or gets off track for 5 seconds, say **Thank you** and discontinue the task.

Wait Rule/Reminder

If the student stops or hesitates for 3 seconds, select one of the following:

- If the student has not said anything at all, provides a very limited response, or provides an off-track response, say **Tell me as much as you can about the story.**
- Otherwise, ask **Can you tell me anything more about the story?** *This reminder may be used only once.*

Note:

The student is not penalized for language use or grammatical errors that are due to articulation, dialect, or speaking a first language other than English.

Examples of Scoring Rules

The following are examples of the Retell scoring rules. The examples do not encompass all possible responses. If in doubt about how to score a student response, refer to the scoring rules above. Please pay attention to the notes included with the examples of responses as they provide scoring explanations and indicate variations and nuances related to the scoring.

Scoring Rule 1: Count as correct any words in the response that are related to the passage. The judgment is based on whether the student is retelling the passage or has gotten off track on another passage or topic. Move your pen through a number in the scoring booklet for each word the student provides that is related to the passage.

Examples:

Passage

Goldfish make good pets. They are easy to take care of and do not cost much to feed. Goldfish are fun to watch while they are swimming.

Student response

He has a pet goldfish. The fish is easy to take care of. He likes to watch it swim. It is a good pet.

012345678910111213141516171819202122232425

2627282930313233343536373839404142434445464748

Retell Total: 24

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)

1 Provides 2 or fewer details

2 Provides 3 or more details

3 Provides 3 or more details in a meaningful sequence

4 Provides 3 or more details in a meaningful sequence that captures a main idea

Student response

He’s got a pet goldfish because goldfish make good pets. He takes good care of his fish. He likes to watch it swim.

012345678910111213141516171819202122232425

2627282930313233343536373839404142434445464748

Retell Total: 23

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)

1 Provides 2 or fewer details

2 Provides 3 or more details

3 Provides 3 or more details in a meaningful sequence

4 Provides 3 or more details in a meaningful sequence that captures a main idea

Note: Contractions are counted as one word.

**Student
response**

The story is about a girl who has a goldfish and she really likes it.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

**How to
score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)Retell Total: 15**1** Provides 2 or fewer details**2** Provides 3 or more details**3** Provides 3 or more details in a meaningful sequence**4** Provides 3 or more details in a meaningful sequence that captures a main idea**Student
response**

Goldfish. And pets.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

**How to
score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)Retell Total: 3**1** Provides 2 or fewer details**2** Provides 3 or more details**3** Provides 3 or more details in a meaningful sequence**4** Provides 3 or more details in a meaningful sequence that captures a main idea

Passage During the last ice age, the world looked much different than it does today. Nearly all the land was covered with huge sheets of ice or glaciers. Most of the world's water was trapped in these glaciers, and the water level of the seas was low. A vast amount of land was above the water.

The narrow waterway between Asia and North America, the Bering Strait, was mostly exposed land at that time. The land formed a narrow bridge that connected Asia with North America.

Student response

The story is about the ice age and the land was covered in ice. There were glaciers. And there was a land bridge between Asia and South America.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 28

How to score

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)

1 Provides 2 or fewer details

2 Provides 3 or more details

3 Provides 3 or more details in a meaningful sequence

4 Provides 3 or more details in a meaningful sequence that captures a main idea

Note: Mistakes or inconsistencies in the Retell do not count against the student as long as the student is still on topic.

Passage The main ingredients for this recipe are cucumbers and dill weed. Both of these are easy to grow if you are lucky enough to have a vegetable garden. If you don't have a garden, you can find them in the produce department at the grocery store. Two other produce items you will need are fresh garlic and a small onion about the size of a golf ball. You will also need salt and sugar to add flavor to the pickles.

Student response

It was about making dill pickles. Pickles are made from cucumbers and dill weed. You can grow those in your garden or buy them at the store. You need salt, sugar, some garlic, and an onion the size of a baseball.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 41

How to score

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)

1 Provides 2 or fewer details

2 Provides 3 or more details

3 Provides 3 or more details in a meaningful sequence

4 Provides 3 or more details in a meaningful sequence that captures a main idea

Note: Mistakes or inconsistencies in the Retell do not count against the student as long as the student is still on topic.

Scoring Rule 2: Stop moving your pen through the numbers and count as incorrect any response that is not related to the story that the student read.

Examples:

Passage Goldfish make good pets. They are easy to take care of and do not cost much to feed. Goldfish are fun to watch while they are swimming.

Student response He has a pet goldfish. He likes to watch it swim. **I like to swim. We go swimming every Saturday.**

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 11

How to score

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)

- | | |
|--|---|
| <p>1 Provides 2 or fewer details</p> <p>2 Provides 3 or more details</p> | <p>3 Provides 3 or more details in a meaningful sequence</p> <p>4 Provides 3 or more details in a meaningful sequence that captures a main idea</p> |
|--|---|

Note: The portion in bold is NOT counted.

Student response He has a **uhh**, a **uhh** pet goldfish. The **uhh** fish is easy to **uhh** take care of, **uhh** he likes to **uhh** watch it **uhh** swim.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 19

How to score

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)

- | | |
|--|---|
| <p>1 Provides 2 or fewer details</p> <p>2 Provides 3 or more details</p> | <p>3 Provides 3 or more details in a meaningful sequence</p> <p>4 Provides 3 or more details in a meaningful sequence that captures a main idea</p> |
|--|---|

Student response

He has a pet goldfish. The fish is easy to take care of. He likes to watch it swim. **Mmmm. Hmmm**, it sure is a good pet.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

How to score

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)Retell Total: 25**1** Provides 2 or fewer details**3** Provides 3 or more details in a meaningful sequence**2** Provides 3 or more details**4** Provides 3 or more details in a meaningful sequence that captures a main idea

Note: Only actual words are counted. If the student inserts exclamations or other sounds, stop moving your pen through numbers and do not count those in the Retell.

Student response

He has a pet goldfish. **I know what rhymes with fish—wish and dish!**

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

How to score

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)Retell Total: 5**1** Provides 2 or fewer details**3** Provides 3 or more details in a meaningful sequence**2** Provides 3 or more details**4** Provides 3 or more details in a meaningful sequence that captures a main idea

Note: If the student recites the ABC's, a poem, or sings a song, even if relevant to the Retell, the recitation, song, or poem is not counted.

Student response

The first thing that happened in the story is...[student shrugs]. **The second thing that happened in the story is...**[student shrugs]. **The third thing that happened in the story is...**[student shrugs].

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

How to score

Quality of Response:

Retell Total: 0(Note: If the student provides only a main idea, it is considered one detail.)

- | | |
|---|--|
| 1 Provides 2 or fewer details
2 Provides 3 or more details | 3 Provides 3 or more details in a meaningful sequence
4 Provides 3 or more details in a meaningful sequence that captures a main idea |
|---|--|

Note: The student has provided no information that is about the passage they just read. If this appears to be a coached response framework solely for the purpose of getting a higher score on Retell, we recommend interrupting that coaching and conducting a review of the fundamental purpose of the assessment. If it appears to be a general framework for building understanding of a passage, the response would be scored the same way, but a review of the fundamental purpose of the assessment would not be necessary.

Student response

The first thing that happened in the story is...there was a goldfish. **The second thing that happened in the story is...**good pets. **The third thing that happened in the story is...**low cost.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

How to score

Quality of Response:

Retell Total: 17(Note: If the student provides only a main idea, it is considered one detail.)

- | | |
|---|--|
| 1 Provides 2 or fewer details
2 Provides 3 or more details | 3 Provides 3 or more details in a meaningful sequence
4 Provides 3 or more details in a meaningful sequence that captures a main idea |
|---|--|

Note: The portion in bold is NOT counted. The *second thing* and the *third thing* words were not counted because repetitions of words or phrases are not counted. If this appears to be a coached response framework solely for the purpose of getting a higher score on Retell, we recommend interrupting that coaching and conducting a review of the fundamental purpose of the assessment. If it appears to be a general framework for building understanding of a passage, the response would be scored the same way, but a review of the fundamental purpose of the assessment would not be necessary.

Student response

He has a pet goldfish **fish fishy fish**. The fish is easy to take care of. He likes to watch it **swimmy** swim **swim**. It is a good pet.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 24**How to score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)**1** Provides 2 or fewer details**3** Provides 3 or more details in a meaningful sequence**2** Provides 3 or more details**4** Provides 3 or more details in a meaningful sequence that captures a main idea

Note: Repetitions of words or phrases are not counted.

Student response

Goldfish make good pets. **Goldfish make good pets** because they are easy to care for and are cheap to buy.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 16**How to score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)**1** Provides 2 or fewer details**3** Provides 3 or more details in a meaningful sequence**2** Provides 3 or more details**4** Provides 3 or more details in a meaningful sequence that captures a main idea

Note: Repetitions of words or phrases are not counted.

Student response

I wish I had a goldfish.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 0**How to score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)**1** Provides 2 or fewer details**3** Provides 3 or more details in a meaningful sequence**2** Provides 3 or more details**4** Provides 3 or more details in a meaningful sequence that captures a main idea

Note: The student's entire response is off-track.

Student response

The story is about goldfish as pets. They make good ones because they are easy to care for and are cheap to buy. **I wish I had a goldfish.**

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 23**How to score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)**1** Provides 2 or fewer details**2** Provides 3 or more details**3** Provides 3 or more details in a meaningful sequence**4** Provides 3 or more details in a meaningful sequence that captures a main idea**Student response**

I have to feed our pet dog. I hate to do that job because it is smelly and messy. I wish my mom would just do it.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 0**How to score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)**1** Provides 2 or fewer details**2** Provides 3 or more details**3** Provides 3 or more details in a meaningful sequence**4** Provides 3 or more details in a meaningful sequence that captures a main idea**Student response**

Goldfish make good pets...(pause). **You know, I don't have a goldfish, but I wish I did. I have to feed our pet dog. I hate to do that job because it is smelly and messy. I wish my mom would just do it.**

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 4**How to score**

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)**1** Provides 2 or fewer details**2** Provides 3 or more details**3** Provides 3 or more details in a meaningful sequence**4** Provides 3 or more details in a meaningful sequence that captures a main idea

**Student
response**

This reminds me of that book about the rainbow fish. Do you like that book? It is my favorite.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

**How to
score**Retell Total: 0

Quality of Response:

(Note: If the student provides only a main idea, it is considered one detail.)

- | | |
|---|--|
| 1 Provides 2 or fewer details
2 Provides 3 or more details | 3 Provides 3 or more details in a meaningful sequence
4 Provides 3 or more details in a meaningful sequence that captures a main idea |
|---|--|

Note: The student's entire response is off-track.

See Appendix F for Practice Scoring Sheet and Answer Key.

Model ORF Scoring Sheet

The following is an example of a completed scoring sheet. The scoring rules and scoring calculation are shown. This scoring sheet serves as a model and can be used during training and practice to support accurate administration and scoring of Acadience Reading.

16 Acadience Oral Reading Fluency

Kinds of Hats

0A hat sits on top of the head. There are many kinds of hats. Some15

15hats have special jobs, and some hats are just for fun.26

26A hard hat keeps the head safe. It is made out of plastic. House40

40builders wear this kind of hat. Things that fall cannot hurt their heads.53

53Firefighters also use a hard hat. Their hats have a wide brim on the back68

68to keep fire and heat away. You also wear a hard hat when you ride a84

84bike. That hat is called a helmet.91

91Many workers wear hats that show the job they do. Some of these104

104hats are made of cloth. Police officers wear a flat hat that is the same119

119color as their uniform. Chefs wear tall white hats when they cook.131

131People use different hats to match the weather. Wool hats fit closely143

143over the head. They keep the head and ears warm in the winter. Sun157

157hats and baseball caps have a wide brim or bill. These hats shade the171

171face and eyes from the sun in the summer.180

180Hats don't always have a job. Some are just for fun. Birthday party193

193hats are made of paper. They have bright colors and cute pictures.205

205Next time you walk in the neighborhood, go on a hat hunt. You will219

219be surprised at how many different hats you can find.229

Total words: 73

Errors (include skipped words): – 15

Words correct: = 58

Essential Early Literacy and Reading Skill	Acadience Reading Measure
Reading Comprehension	Maze

What is reading comprehension?

Early reading acquisition is a large, complex linguistic task, whereby students gain knowledge about speech sounds, print rules, and strategies for decoding words. Reading comprehension is equally large and complex and best understood as an interactive process between the reader's skills and context. Reading comprehension is the ability to understand what is read, and is demonstrated by making inferences, getting the gist, filling in the gaps, and understanding the big ideas of the text (Duke, Pressley & Hilden, 2004).

While reading comprehension is dependent on decoding skills, decoding skills by themselves are not enough (Adams, 1990). In order to understand the printed words, readers must tap into their knowledge about language as well as their understanding of the world. Reading comprehension thus requires accurate, effortless decoding (Adams, 1990); access to linguistic knowledge about syntax, semantics, and word morphology (Catts & Kahmi, 1999; McGuinness, 2005); prior knowledge about words in a given context (Duke, Pressley & Hilden, 2004); and reasoning skills. It is only through the skillful interplay of both bottom-up decoding skills and top-down meaning-making skills that the student reads, and reads for meaning.

Students' ability to read and understand increasingly difficult texts increases as they develop more sophisticated decoding skills, improve their vocabulary knowledge and linguistic awareness, and gain experience with the world. Effective reading comprehension instruction that supports the acquisition of comprehension strategies applied to a wide range of reading materials is essential.

Chapter 10: Maze

Overview

<i>Essential Early Literacy and Reading Skill</i>	Reading Comprehension
<i>Administration Time</i>	3 minutes
<i>Administration Schedule</i>	Beginning of third grade to end of sixth grade
<i>Score</i>	Number of correct words in 3 minutes minus half the number of incorrect words

What is Maze?

Maze is a standardized measure of reading comprehension. The purpose of a maze procedure is to measure the reasoning processes that constitute comprehension. Specifically, Maze assesses the student's ability to construct meaning from text using word recognition skills, background information and prior knowledge, familiarity with linguistic properties such as syntax and morphology, and reasoning skills. Acadience Reading Maze adds reading for meaning silently as another indicator of reading comprehension along with ORF and Retell. With Acadience Reading, these three measures provide a more complete picture of reading proficiency.

Maze can be given to a whole class at the same time, to a small group of students, or to individual students. Using standardized directions, students are asked to read a passage silently and to circle their word choices. By design, approximately every seventh word in the Maze passages has been replaced by a box containing the correct word and two distractor words. The student receives credit for selecting the words that best fit the omitted words in the reading passage. The scores that are recorded are the number of correct and incorrect responses. The Maze Adjusted Score, which compensates for guessing, is calculated based on the number of correct and incorrect responses.

Materials

- Student worksheets
- Maze Benchmark Assessment Administration Directions And Scoring Keys
- Pen/pencil
- Clipboard and stopwatch

Administration Directions

Follow these directions exactly each time with each student. Say the words in bold italic type verbatim. Begin with the modeling and practice activities. The practice activities are designed to introduce the assessment task to the student. They are untimed and include correction procedures. The correction procedures are not used once the timing begins.

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1. Before handing out the worksheets, say ***I am going to give you a worksheet. When you get your worksheet, please write your name at the top and put your pencil down.*** Hand out the Maze student worksheets. Make sure each student has the appropriate worksheet. If the worksheets are in a booklet, make sure each student's booklet is open to the correct worksheet.

When all of the students are ready, say ***You are going to read a story with some missing words. For each missing word there will be a box with three words. Circle the word that makes the most sense in the story. Look at Practice 1.***

Listen. After playing in the dirt, Sam went (pause) home, summer, was (pause) to wash her hands. You should circle the word "home" because "home" makes the most sense in the story. Listen. After playing in the dirt, Sam went home to wash her hands.

Now it is your turn. Read Practice 2 silently. When you come to a box, read all the words in the box and circle the word that makes the most sense in the story. When you are done, put your pencil down.

Allow up to 30 seconds for students to complete the example and put their pencils down. If necessary, after 30 seconds say ***Put your pencil down.***

2. As soon as all students have their pencils down, say ***Listen. On her way home, she (pause) chair, sleep, saw (pause) an ice cream truck. You should have circled "saw" because "saw" makes the most sense in the story. Listen. On her way home, she saw an ice cream truck.***

When I say "begin," turn the page over and start reading the story silently. When you come to a box, read all the words in the box and circle the word that makes the most sense in the story. Ready? Begin. Start your stopwatch after you say "begin."

3. Monitor students to ensure they are reading and circling the words. Use the reminders as needed.
4. At the end of **3 minutes**, stop your stopwatch and say ***Stop. Put your pencil down.*** Collect all of the Maze worksheet packets.

At a later time (shortly after the testing when you are no longer with the student), compute the final score:

- Correct the worksheets and calculate each student's number of correct and incorrect responses. If a student completes the assessment before the time is up, do not prorate the score.
- Record both scores on the cover sheet. On the cover sheet, "C" designates correct responses and "I" designates incorrect responses. For benchmark assessment, also transfer the score to the front of the scoring booklet. For progress monitoring, there is no scoring booklet for Maze, but there is a progress monitoring chart to record the scores.

- The Maze Adjusted Score is a modified score that compensates for student guessing. Most data management services will calculate the Adjusted Score for you. To calculate the Adjusted Score yourself, use the following formula:

Maze Adjusted Score = number of correct responses – (number of incorrect responses ÷ 2).

The result of the formula should then be rounded to the nearest whole number. Half-points (0.5) should be rounded up. The minimum Maze Adjusted Score is 0. Do not record a negative number.

Scoring Rules

The student receives 1 point for each correct word, minus half a point for each incorrect word.

1. A response is correct if the student circled or otherwise marked the correct word.
2. Mark a slash (/) through any incorrect responses. Incorrect responses include errors, boxes with more than one answer marked, and items left blank (if they occur before the last item the student attempted within the 3-minute time limit). Items left blank because the student could not get to them before time ran out do not need to be slashed and do not count as incorrect responses.
3. If there are erasure marks, scratched out words, or any other extraneous markings, and the student's final response is obvious, score the item based on that response.

Discontinue Rule

There is no discontinue rule.

Wait Rule

There is no wait rule.

Reminders

If a student starts reading the passage aloud, say ***Remember to read the story silently.*** *This reminder may be used as often as needed.*

If a student is not working on the task, say ***Remember to circle the word in each box that makes the most sense in the story.*** *This reminder may be used as often as needed.*

If a student asks you to provide or for help with the task, say ***Just do your best.*** *This reminder may be used as often as needed.*

Examples of Scoring Rules

The following are examples of how to score Maze responses. The examples do not encompass all possible responses. If in doubt about how to score a student response, refer to the scoring rules above. Please pay attention to the notes included with the examples as they provide scoring explanations and indicate variations and nuances related to the scoring.

Scoring Rule 1: A response is correct if the student circled or otherwise marked the correct word.

Example:

The guide explained that	hanging so could	on the trees are fruits as	chocolate get <u>large</u>	as melons.
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Scoring Rule 2: Mark a slash (/) through any incorrect responses. Incorrect responses include errors, boxes with more than one answer marked, and items left blank (if they occur before the last item the student attempted within the 3-minute time limit). Items left blank because the student could not get to them before time ran out do not need to be slashed and do not count as incorrect responses.

Example:

The guide explained that	hanging so could	on the trees are fruits as	chocolate get large	as melons.
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Scoring Rule 3: If there are erasure marks, scratched-out words, or any other extraneous markings, and the student's final response is obvious, score the item based on that response.

Example:

The guide explained that	hanging so could	on the trees are fruits as	chocolate ✓ get ✓ <u>large</u>	as melons.
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Chapter 11: Design Specifications and Technical Adequacy Summary

This chapter provides descriptive information, an overview of the design specifications, and a summary of the technical adequacy for each of the Acadience Reading measures. More detailed information about each of these topics is provided in the *Acadience Reading K–6 Technical Manual* available at www.acadiencelearning.org.

Descriptive Information and Design Specifications

Acadience Reading is a set of measures used to assess early literacy and reading skills for students from kindergarten through sixth grade. By design, the Acadience Reading measures serve as indicators of the research-based essential early literacy and reading skills that every child must master to become a proficient reader (National Reading Panel, 2000; National Research Council, 1998). They are designed to be an efficient, cost-effective tool used to help make decisions about reading instruction, to help teachers provide support early, and to prevent the occurrence of later reading difficulties. The following Acadience Reading measures are available for both universal screening and progress monitoring:

Essential Early Literacy and Reading Skills	Acadience Reading Measure
Phonemic Awareness	First Sound Fluency (FSF) Phoneme Segmentation Fluency (PSF)
Alphabetic Principle and Basic Phonics	Nonsense Word Fluency (NWF) –Correct Letter Sounds –Whole Words Read
Advanced Phonics and Word Attack Skills	Oral Reading Fluency (ORF) –Accuracy
Accurate and Fluent Reading of Connected Text	Oral Reading Fluency (ORF) –Words Correct –Accuracy
Reading Comprehension	Oral Reading Fluency (ORF) –Words Correct –Retell Maze Reading Composite Score

Note: Information from *Table 1.1* in *Chapter 1* of this manual.

Acadience Reading benchmark testing (universal screening) is conducted three times per year at the beginning, middle, and end of the year. Progress monitoring materials, for more frequent assessment, are available for FSF, PSF, NWF, ORF, and Maze. Twenty alternate forms are available for each of these measures, with 20 ORF and 20 Maze forms available per each applicable grade level. Because LNF is an indicator of risk that is not directly linked to any of the essential early literacy skills, it is included in benchmark assessment (universal screening),

but not in progress monitoring. The Reading Composite Score (RCS) is also calculated for each benchmark assessment but not for progress monitoring. Descriptions and design specifications for each measure and the RCS are provided below. Additional information about the design specifications for each Acadience Reading measure is detailed in *Chapter 2* of the *Acadience Reading K–6 Technical Manual*.

First Sound Fluency (FSF): FSF provides a direct measurement of a student's fluency in identifying the initial sounds in words. The ability to isolate the first sound in a word is an important phonemic awareness skill that is highly related to reading acquisition and reading achievement (Yopp, 1988). To make FSF more sensitive for use with young students, the measure uses differential scoring. Items for all FSF forms were selected from a word pool consisting of single-syllable words. Initial work on this word pool was derived from a study of preschool measures of early literacy (Kaminski, Baker, Chard, Clarke, & Smith, 2006). Words were excluded if they were deemed inappropriate (e.g., rob, knife) or if they began with the initial phonemes /b/, /d/, /p/, or /g/ followed by the /u/ sound (e.g., duck), as such words cannot be scored differentially due to confusion with the schwa sound. The final word pool consisted of 861 words, three of which were used as example items and so do not appear as test items. The words were then broken into three difficulty categories as follows: initial continuous sound (e.g., /s/, /m/) followed by a vowel sound; initial stop sound (e.g., /b/, /t/) followed by a vowel sound; and initial blend (e.g., /st/). The sequence of items on each 30-item form was stratified.

The ability to isolate and identify the first phoneme in a word is an easier skill than segmenting words or manipulating phonemes in words, thus FSF is used as a measure of developing phonemic awareness at the beginning and middle of kindergarten. Using standardized directions, the assessor says a series of words one at a time to the student and asks the student to say the first sound in the word. On the scoring page, the assessor circles the corresponding sound or group of sounds the student says. Students receive either 2 points for saying the initial phoneme of a word in isolation (e.g., saying the /s/ sound as the first sound in the word street) or 1 point for saying the initial consonant blend (e.g., /st/, /str/ in street), consonant plus vowel (e.g., /si/ in sit), or consonant blend plus vowel (e.g., /strea/ in street). A response is scored as correct as long as the student provides any of the correct responses listed for the word. The total score is based on the number of correct 1- and 2-point responses the student says in 1 minute.

Differential scoring for student responses allows young students to receive partial credit for demonstrating beginning skills in phonemic awareness. A student who may not be able to isolate an initial phoneme (e.g., /s/, /t/) would still receive partial credit for providing the first group of sounds in the word, showing emerging understanding that words are made up of sounds. Although partial credit is given, the goal is for the student to be able to correctly say the first phoneme of each word.

To ensure that students understand the task and to maximize the performance of young students who may not have had any prior exposure to instruction in phonemic awareness, three practice items are included. The practice items provide increasing levels of support, including modeling (e.g., "listen to me say...") and leading the correct response (e.g., "say it with me"). By design, the first two practice items start with the same sound, /m/. In the first practice item, isolation of the /m/ sound at the beginning of a word is modeled. In the second practice item, the student is asked to isolate the beginning sound in a word that also starts with /m/. In the third practice item, the student is asked to generalize the skill of isolating beginning sounds to a word that does not start with /m/.

Letter Naming Fluency (LNF): LNF is a brief, direct measure of a student's fluency in naming letters. The purpose of LNF is to measure students' mastery of alphabet knowledge along with their fluency with letter naming. Fluency in naming letters is a strong and robust predictor of later reading achievement (Adams, 1990). All letters are

included on the LNF materials, but they appear in random order. The 26 uppercase and 26 lowercase letters were divided into three categories based on relative difficulty, with 18 letters in the easy category and 17 letters each in the medium and hard categories. A randomly selected letter from the easy category was used as the first test item, and then 17 triads were constructed, with a triad including one randomly selected letter from each category: easy, medium, and hard. The ordering of letters by triads of easy, medium, and hard letters was done to more evenly space the difficulty levels. The first triad was placed with the easy letter first, the medium letter second, and the hard letter third. For the other 16 triads, the order of the difficulty categories was randomized within the triad. The process was then repeated, to include another set of 26 uppercase and 26 lowercase letters, providing 104 test items. Displaying a full set of 52 letters (26 uppercase and 26 lowercase) first, and then displaying another full set of 52 letters meant that the same letter would not appear in close proximity. The only difference in procedure for the second set of 52 letters was that the order of difficulty categories in the first triad were also randomized. The letters were displayed in 11 rows of 10 letters each. To prevent the last row from only having four letters, the first six letters from the beginning of the form were repeated at the end of the form, for a total of 110 test items.

Using standardized directions, the assessor presents a page of uppercase and lowercase letters arranged in random order and asks the student to name the letters. The assessor marks letter names that are read incorrectly or skipped. The total score is the number of correct letter names that the student says in 1 minute.

The purpose of LNF is to measure accuracy and fluency with letter names and not merely to recite the alphabet. So, while all letters are included on the LNF materials, they appear in random order. As such, it provides an added risk indicator for early school-age children. Although it may be related to rapid automatized naming (RAN), it is not a measure of RAN. Because letter naming does not appear to be essential for achieving reading outcomes, it is not an essential early literacy skill. Therefore, a benchmark goal and progress monitoring materials are not provided. As an indicator of risk, scores on LNF should be used in conjunction with scores on other measures, especially at the beginning of kindergarten. LNF is a strong and robust predictor of later reading achievement, but it is not a powerful instructional target. There is insufficient evidence to suggest that focusing instruction on letter names leads to better reading outcomes.

Phoneme Segmentation Fluency (PSF): PSF is a brief, direct measure of phonemic awareness. PSF assesses students' fluency in segmenting a spoken word into its component parts or sound segments. The word pool for Phoneme Segmentation Fluency comes from *The Educator's Word Frequency Guide* (Zeno, Ivens, Millard, & Duvvuri, 1995), where either the first- or second-grade U value (the relative frequency of occurrence) was 20 or higher. Words were then excluded if they were (a) not found in the *Oxford Advanced Learner's Dictionary* (Hornby, Wehmeier, McIntosh, & Turnbull, 2005), (b) were proper nouns, (c) had more than one syllable, (d) had a single phoneme, (e) had six or more phonemes, (f) included apostrophes, or (g) were inappropriate. The final word pool included a total of 1,132 items, three of which were used as example items and so do not appear as test items. The words were then broken into four difficulty levels as follows: (a) Easiest—no r-controlled vowels, no consonant blends, two or three phonemes; (b) Less Easy—one difficulty feature consisting of an r-controlled vowel or a single, two-consonant blend, but not both; no three-consonant blends; two to four phonemes; (c) More Difficult—two difficulty features, no three-consonant blends, two to four phonemes; and (d) Most Difficult—three-consonant blends or five phonemes. The sequence of items on each 24-item form was stratified.

Using standardized directions, the assessor says a word and asks the student to say the sounds in the word. The assessor underlines each correct sound segment of the word that the student says. A correct sound segment is any different, correct part of the word the student says. The total score is the number of correct sound segments

that the student says in 1 minute. For example, if the assessor says the word *fish* and the student says /f/ /i/ /sh/, the student has completely and correctly segmented the word into its component sounds and the score is 3 correct sound segments. If the student says /f/ /ish/, the score is 2 correct sound segments.

Partial credit is given for partial segmentation. A student who is developing phonemic awareness may not yet segment words completely into individual sounds but may segment parts of words. For example, a student who says the first sound of the word *sun* (/s/) receives 1 point. A student who says the onset and rime (/s/ /un/) receives 2 points, and a student who completely and correctly segments all of the individual phonemes in the word (/s/ /u/ /n/) receives 3 points. Note that consonant blends have two or more phonemes that should be produced separately for a student to receive full credit. For example, for the word *trap*, a student who says /tr/ /a/ /p/ receives partial credit of 3 points, and a student who says /t/ /r/ /a/ /p/ receives the full 4 points. Allowing partial credit in scoring increases the sensitivity of the measure, thus making it possible to measure growth from partial to complete segmentation. Although partial credit is given, the preferred response is for students to completely segment words at the phoneme level by the end of kindergarten.

Nonsense Word Fluency (NWF): NWF is a brief, direct measure of the alphabetic principle and basic phonics. NWF assesses knowledge of basic letter-sound correspondences and the ability to blend letter sounds into consonant-vowel-consonant (CVC) and vowel-consonant (VC) words. To successfully complete the NWF task, students must rely on their knowledge of letter-sound correspondences and how to blend sounds into whole words. The test items used for NWF are phonetically regular make-believe (i.e., nonsense or pseudo) words. The letters “q” and “x” were not used, since they typically represent more than one phoneme. The letters “h,” “w,” “y,” and “r” were used only in the initial position, and the letters “c” and “g” were used only in the final position.

The final word pool included a total of 1,017 items, two of which were used as example items and so do not appear as test items. The words were then divided into six difficulty categories based on the pattern (CVC and VC) and on the relative difficulty of the consonants as follows: (a) VC, easy consonant; (b) VC, hard consonant; (c) CVC, both consonants easy; (d) CVC, first consonant easy; (e) CVC, last consonant easy; and (f) CVC, both consonants hard. The consonants judged to be easier were “b,” “c,” “d,” “f,” “g,” “h,” “k,” “l,” “m,” “n,” “p,” “r,” “s,” and “t.” Letters were judged to be easier if they appear more often in words, since students will see them more often and many curricula teach higher frequency letters first. The difficulty categories on each 50-item form are presented in a stratified sequence. This stratification process ensures that every form has the same number of items from each difficulty category and that those difficulty categories will appear in the same place on every form. In addition to the stratification of the difficulty categories, each row of five items includes one nonsense word with each of the five vowels, in random order. The order of the vowels was re-randomized for each row and each form. Each word on a form was then randomly selected from the words that matched both the specified difficulty category and the specified vowel.

One reason that nonsense word measures are considered to be a good indicator of the alphabetic principle is that “pseudo-words have no lexical entry, [and thus] pseudo-word reading provides a relatively pure assessment of students’ ability to apply grapheme-phoneme knowledge in decoding” (Rathvon, 2004, p. 138).

Following a model and a practice item, the student is presented with a sheet of randomly ordered VC and CVC nonsense words (e.g., *dif*, *ik*, *nop*). Standardized directions are used to ask the student to read the make-believe words the best they can, reading either the whole word or saying any sounds they know. For example, if the stimulus word is *tof*, the student could say /t/ /o/ /f/ or “tof.” The assessor underlines each correct letter sound produced either in isolation or blended together. Whole words read without sounding out are underlined in their entirety.

There are two separate scores reported for NWF:

1. Correct Letter Sounds (CLS) is the number of letter sounds produced correctly in 1 minute. For example, if the student reads *dif* as /d/ /i/ /f/ the score for CLS is 3. If the student reads *dif* as /di/ /f/ or “dif,” the CLS score is also 3.
2. Whole Words Read (WWR) is the number of make-believe words read correctly as a whole word without first being sounded out produced in 1 minute. For example, if the student reads *dif* as “dif,” the score is 3 points for CLS and 1 point for WWR, but if the student reads *dif* as “/d/ /i/ /f/ dif,” the score is 3 points for CLS but 0 points for WWR because they first sounded out the word.

The goal of NWF is for students to read whole words. However, an advantage of NWF is that it allows for monitoring the development of the alphabetic principle and basic phonics as early as the middle of kindergarten, when producing individual letter sounds is the more common response.

Oral Reading Fluency (ORF): ORF is a measure of advanced phonics and word attack skills, accurate and fluent reading of connected text, and reading comprehension. The Acadience Reading ORF passages and procedures are based on the program of research and development of Curriculum-Based Measurement of reading by Stan Deno and colleagues at the University of Minnesota (e.g., Deno, 1989).

The ORF passages were designed to represent the different types of text that students will encounter, including a mix of narrative and expository, with different types of passages and content within those categories. A range of topics and themes was selected so that each student would encounter both familiar topics and unfamiliar topics. The passages were designed to be authentic text, so they include irregular words and are not written entirely in decodable text. Passages were written and revised by professional authors according to detailed design specifications. All passages were required to meet readability criteria for each grade level as measured by the Acadience Learning Passage Revision Utility/Passage Difficulty Index, which is software that identifies the target word length, number of rare words, and sentence length for a passage and provides guidance when a passage is outside of the target ranges. The initial passage set included 40 passages for each grade that met the criteria. A readability study was conducted to examine actual student performance on all of the passages and further control differences in passage difficulty within each grade level. Additional details regarding author design specifications, the Passage Difficulty Index ranges for each grade level, and the readability study are provided in the *Acadience Reading K–6 Technical Manual*.

There are two parts to ORF: (a) orally reading the passage and (b) retelling the passage. For the oral reading part, students are given an unfamiliar, grade-level passage of text and asked to read for 1 minute. Errors such as substitutions, omissions, and hesitations for more than 3 seconds are marked while listening to the student read aloud. For benchmark assessment, students are asked to read three different grade-level passages for 1 minute each. The score is the median number of words read correctly and the median number of errors across the three passages. Using the median score from three passages gives the best indicator of student performance over a range of different text and content. The oral reading part of the measure can be used middle of first grade through end of sixth grade.

The passage Retell part of ORF follows the oral reading of each passage, *provided that the student has read at least 40 words correct per minute on a given passage*. Retell is intended to provide a comprehension check for the ORF assessment and provides an indication that the student is reading for meaning. Case studies have documented students who can read words rapidly but not comprehend what they read (Dewitz & Dewitz, 2003). There is concern that students who display similar reading behavior will not be identified without a comprehension

check. Passage Retell provides an efficient procedure to identify those students who are not able to talk about what they have just read. With a prompted passage Retell, the student is explicitly instructed to read for meaning. Speed-reading without attending to text comprehension is undesirable and will be readily apparent in the student's Retell. In addition, the quality of a student's Retell provides valuable information about overall reading proficiency and oral language skills.

During Retell, the student is asked to tell as much as they can about the passage that was read. The assessor indicates the number of words in the Retell that are related to the passage by drawing through a box of numbers. Following a hesitation of 3 seconds, students are prompted to tell as much as they can about the passage. If the student hesitates again for 5 seconds, or if the student is clearly responding for 5 seconds in a way that is not relevant to the passage, the task is discontinued. The assessor must make a judgment about the relevance of the Retell to the passage. Retell can be used from the middle of first grade through the end of sixth grade. After administering Retell, the assessor uses a Quality of Response Rubric to rate the quality of the student's response. The rating is based on how well the student retold the portion of the passage that the student read.

Maze: Maze is the standardized, Acadience Reading version of a maze testing procedure for measuring reading comprehension. The purpose of a maze assessment is to measure important reasoning processes that contribute to reading comprehension. Specifically, Maze assesses the student's ability to construct meaning from text using comprehension strategies, word recognition skills, background information and prior knowledge, familiarity with linguistic properties such as syntax and morphology, and reasoning skills. Acadience Reading Maze adds reading for meaning silently as another indicator of reading comprehension along with ORF and Retell. These three measures, along with the Reading Composite Score (RCS) (discussed below), provide a more complete picture of reading proficiency.

Maze passages were written according to the same specifications as Acadience Reading ORF passages, except for passage length, which was longer for Maze than for ORF. Maze passages were leveled using the Acadience Learning Passage Difficulty Index. A maze procedure was then applied to each passage. The Acadience Reading Maze procedure left the first sentence unchanged. Starting with the second sentence, approximately every seventh word was selected to be replaced by a multiple choice box containing the original, correct word and two distractor words, in randomized order. Certain words, such as articles, prepositions, abbreviations, and proper nouns, were excluded from the maze procedure. If an excluded word was selected, that word was skipped and the next non-excluded word was selected. A word could be selected up to three times within a passage, but never twice in a row.

For each multiple choice box, two distractor words were randomly selected from the pool of words that appeared within the passage and were eligible for selection. The same rules about excluded words were applied to distractors as were applied to selected words. A word could be used as a distractor only once in a passage, regardless of whether the same word had also been selected as a maze item. After the randomized selections were made and the maze passages were constructed, the passages were manually checked for appropriateness.

Maze can be given to a whole class at the same time, to a small group of students, or to individual students. Using standardized directions, students are asked to read a passage silently and to circle their word choices. The scores that are recorded are the number of correct and incorrect responses the student circles within 3 minutes. The Maze Adjusted Score, which compensates for guessing, is calculated based on the number of correct and incorrect responses. Half of the number of incorrect responses is subtracted from the number of correct responses.

Reading Composite Score (RCS): The RCS is a combination of multiple Acadience Reading scores that provides the best overall estimate of the student’s reading proficiency for the student’s grade level and time of year.

The specific Acadience Reading measures that are used to calculate the RCS vary by grade and time of year. As a result, the RCS is not comparable across different grades and does not provide a direct measure of growth across grades. For grades K through 2, the RCS is also not comparable across different times of year and should not be used as an indicator of growth within a grade. However, because the logic and procedures used to establish benchmark goals are consistent across grades and times of year, the percent of students at different benchmark status levels can be compared, even though the mean scores are not comparable. Additional details are provided in the *Acadience Reading K–6 Technical Manual*. When a measure of reading growth on a vertical scale across different grades and times of year is desired, the Lexile Framework for Reading provides a transformation of the RCS appropriate for this purpose.

As we constructed the RCS, we were guided in equal parts by science (empirical evidence and research) and theory (models of reading acquisition and educational considerations). Theory and science guided our decisions about which measures to include, how to structure and compute scores, and how to guide interpretations.

The RCS is formed by combining the Acadience Reading measures that correlate highly with later outcomes for each grade and time of year and then weighting each measure to contribute approximately equally. The RCS is highly correlated with specific reading outcomes and generalizes to a broad range of reading outcomes. The RCS represents a large, rich, and broad sample of reading behavior. It combines information from across the Acadience Reading measures administered at a given time. As such, educators do not need to determine which scores are most important or how to integrate the information. The beauty of the RCS is that it allows for an easy and meaningful integration of information. The RCS conveys that all of the aspects of reading proficiency are critical—a student whose RCS is At or Above Benchmark is reading *accurately, at an adequate rate, and attending to meaning*.

Technical Adequacy Summary

Reliability

This section provides a summary of the alternate-form and inter-rater reliability of Acadience Reading. Reliability refers to the relative stability with which a test measures the same skills across minor differences in conditions. Alternate-form reliability indicates the extent to which test results generalize to different test forms. Inter-rater reliability indicates the extent to which results for a measure generalize across assessors.

To provide an efficient summary of the various alternate-form reliability coefficients and their standard errors, a meta-analysis was conducted on all of the coefficients for a given measure at a given grade. Meta-analysis allows researchers to combine information on the same research question (e.g., the alternate-form reliability of a measure) and summarize this information to gain a clearer understanding of the correlations being considered. The advantages of a meta-analytic approach are the clarity of reporting a single value for reliability and reporting accurate confidence intervals for that reliability coefficient. Measures available for meta-analysis of alternate-form reliability included FSF, PSF, NWF Correct Letter Sounds, NWF Whole Words Read, ORF Words Correct, the Maze Adjusted Score, and the Reading Composite Score. Results of the meta-analysis for FSF, PSF, NWF Correct Letter Sounds, and NWF Whole Words Read reliability are reported in *Table 11.1*. *Table 11.2* includes the meta-analysis results for ORF, Maze, and the Reading Composite Score.

Inter-rater reliability estimates for the Acadience Reading measures are also reported in *Tables 11.1* and *11.2*. These results are based on two independent assessors simultaneously scoring student performance during a single test administration (i.e., “shadow-scoring”). The two raters’ scores were then correlated.

All reliability coefficients suggest the measures are appropriate for the screening and progress monitoring decisions for which they are designed. In addition, the reliability of the Reading Composite Score meets the standard for important individual decisions. Additional information on the reliability of Acadience Reading measures is provided in the *Acadience Reading K–6 Technical Manual*.

Table 11.1 Summary of Reliability for FSF, PSF, and NWF

Grade	FSF		PSF		NWF CLS		NWF WWR	
	r_{xx}	95% CI	r_{xx}	95% CI	r_{xx}	95% CI	r_{xx}	95% CI
Alternate-form reliability								
K	.85	.83, .86	.84	.83, .85	.84	.81, .85	.92	.83, .96
1	–	–	.82	.81, .83	.84	.83, .84	.90	.79, .95
2	–	–	–	–	.81	.79, .83	.82	.81, .83
Inter-rater reliability								
K	.94	.87, .97	NA	NA	.99	.99, .99	.99	.99, .99
1	–	–	.95	.89, .98	.99	.99, .99	.99	.99, .99
2	–	–	–	–	.90	.78, .96	.99	.98, .99

Note: The alternate-form reliability coefficients are the result of a meta-analysis. FSF = First Sound Fluency; PSF = Phoneme Segmentation Fluency; NWF CLS = Nonsense Word Fluency Correct Words Read; NWF WWR = Nonsense Word Fluency Whole Words Read. Dashes indicate the measure is not administered at the specified grade level. NA = not available.

Table 11.2 Summary of Reliability for ORF, Maze, and the Reading Composite Score

Grade	ORF Words Correct		Maze Adjusted Score		Reading Composite Score	
	r_{xx}	95% CI	r_{xx}	95% CI	r_{xx}	95% CI
Alternate-form reliability						
K	—	—	—	—	.81	.81, .81
1	.95	.93, .96	—	—	.87	.87, .87
2	.90	.88, .92	—	—	.90	.90, .90
3	.92	.90, .94	.75	.75, .76	.89	.89, .89
4	.90	.88, .92	.78	.77, .79	.91	.91, .91
5	.92	.90, .94	.77	.76, .78	.91	.91, .91
6	.84	.81, .87	.78	.76, .79	.91	.91, .91
Inter-rater reliability						
K	—	—	—	—	.97	.93, .99
1	.99	.99, .99	—	—	.99	.98, .99
2	.99	.99, .99	—	—	.98	.96, .99
3	.99	.99, .99	.99	.99, .99	NA	NA
4	.99	.99, .99	.99	.99, .99	NA	NA
5	.99	.99, .99	.99	.99, .99	NA	NA
6	.99	.99, .99	.99	.99, .99	NA	NA

Note: The alternate-form reliability coefficients are the result of a meta-analysis. Alternate-form reliability of Reading Composite Score estimated with approximately three-month interval. ORF = Oral Reading Fluency. Dashes indicate the measure is not administered at the specified grade level. NA = not available.

Validity

This section provides a summary of the validity evidence gathered on Acadience Reading. Criterion-related validity is the extent to which performance on a criterion measure can be estimated from performance on an assessment (Salvia, Ysseldyke, & Bolt, 2007). A test is valid if it accurately measures what it is supposed to measure. Evidence of validity is presented as a correlation between the assessment and the criterion. Concurrent validity estimates how well student performance on the assessment is related to performance on the criterion when both measures are given at about the same time. Predictive validity estimates how well student performance on the assessment predicts performance on the criterion at a later time.

To provide an efficient summary of the multitude of criterion-related validity coefficients and their standard errors that have been compiled in the *Acadience Reading K–6 Technical Manual*, a meta-analysis was conducted on all

of the coefficients for a given measure at a given grade. Meta-analysis allows researchers to combine information on the same research question (e.g., the validity of a measure) and summarize this information to gain a clearer understanding of the correlations being considered. The advantages of taking this approach are the clarity of reporting a single value for validity and reporting accurate confidence intervals for each validity coefficient. Because of the similarity of predictive and concurrent validity coefficients (i.e., both are estimates of criterion-related validity), they were meta-analyzed together to produce a single validity coefficient for a given measure at a given grade level. Measures available for meta-analysis included ORF Words Correct, the Maze Adjusted Score, and the Reading Composite Score. Results of the meta-analysis are reported in *Table 11.3*.

All validity coefficients suggest moderate-strong to strong relations between the Acadience Reading measures and the criterion measures (e.g., SBAC English Language Arts). Additional information on the predictive and concurrent validity of Acadience Reading, including measures not included in the meta-analysis, is provided in the *Acadience Reading K–6 Technical Manual*.

Table 11.3 Meta-Analysis Summary of Validity for ORF, Maze, and the Reading Composite Score

Grade	ORF Words Correct		Maze Adjusted Score		Reading Composite Score	
	<i>r</i>	95% CI	<i>r</i>	95% CI	<i>r</i>	95% CI
2	.75	.73, .76	—	—	.75	.73, .77
3	.68	.67, .69	.61	.60, .62	.73	.71, .74
4	.69	.68, .70	.66	.64, .67	.74	.73, .75
5	.68	.67, .69	.63	.62, .65	.73	.72, .74
6	.65	.62, .67	.66	.63, .68	.74	.72, .76

Note: ORF = Oral Reading Fluency. Dashes indicate the measure is not administered at the specified grade level.

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Appendix A: Assessment Accuracy Checklists

These checklists are designed to be a tool for training and for conducting reliability checks on Acadience Reading assessors. They should be used to provide feedback to Acadience Reading assessors about their accuracy and consistency with standardized administration and scoring procedures. Additional information about conducting reliability checks can be found in *Chapter 4: Implementing Acadience Reading in Your School*.

FSF Assessment Accuracy Checklist

Consistently	Needs practice	Does the assessor:
☐	☐	1. Position materials so that student cannot see what is being recorded?
☐	☐	2. State standardized directions exactly as written? Practice item #1) Listen to me say this word, “man.” The first sound that you hear in the word “man” is /mmm/. Listen. /mmm/. “Man.” What is the first sound you hear in the word “man”? Correct: Good. /mmm/ is the first sound in “man.” Incorrect: /mmm/ is the first sound you hear in the word “man.” Listen. /mmm/. “Man.” Say it with me. /mmm/. Let’s try it again. What is the first sound you hear in the word “man”? Practice item #2) Listen to me say another word, “moon.” What is the first sound you hear in the word “moon”? Correct: Good. /mmm/ is the first sound in “moon.” Incorrect: /mmm/ is the first sound you hear in the word “moon.” Listen. /mmm/. “moon.” Say it with me. /mmm/. Let’s try it again. What is the first sound you hear in the word “moon”? Practice item #3) Let’s try another word, “sun.” (Pause.) If the student does not respond, ask, What is the first sound you hear in the word “sun”? Correct: Good. /sss/ is the first sound in “sun.” Incorrect: /sss/ is the first sound you hear in the word “sun.” Listen. /sss/. “sun.” Say it with me. /sss/. Let’s try it again. What is the first sound you hear in the word “sun”? Begin testing. Now I am going to say more words. You tell me the first sound you hear in the word. (Say the first word from the list in the scoring booklet.)
☐	☐	3. Start the timer after saying the first word?
☐	☐	4. Use reminder procedures correctly and appropriately?
☐	☐	5. Say the next word immediately after the student responds?
☐	☐	6. Slash the zero if the student does not respond within 3 seconds on any word, and then read the next word?
☐	☐	7. Write “sc” above the slashed zero and circle any correct sounds if the student self-corrects within 3 seconds?
☐	☐	8. Score student responses correctly according to the scoring rules?
☐	☐	9. Discontinue if the student gets a score of zero on the first five words?
☐	☐	10. Stop at the end of 1 minute?
☐	☐	11. Correctly add the number of sounds in the 2-point and 1-point columns?
☐	☐	12. Record the total number of correctly produced first sounds in 1 minute?
☐	☐	13. Transfer the score correctly from the scoring page to the cover page of the scoring booklet?

LNF Assessment Accuracy Checklist

Consistently	Needs practice	Does the assessor:
☐	☐	1. Position materials so that student cannot see what is being recorded?
☐	☐	2. State standardized directions exactly as written? <i>I am going to show you some letters. I want you to point to each letter and say its name.</i> Begin testing. Start here (point to the first letter at the top of the page). Go this way (sweep your finger across the first two rows of letters) and say each letter name. Put your finger under the first letter (point). Ready, begin.
☐	☐	3. Start the timer after saying Begin ?
☐	☐	4. Score student responses correctly according to the scoring rules?
☐	☐	5. Use reminder procedures correctly and appropriately?
☐	☐	6. Apply the 3-second wait rule (if the student does not name a letter after 3 seconds), slash the letter, provide the correct letter name, and point to the next letter if necessary?
☐	☐	7. Write “sc” above any letter that was previously slashed if the student self-corrects within 3 seconds?
☐	☐	8. Discontinue if the student gets a score of zero on the first row?
☐	☐	9. Place a bracket (]) at the 1-minute mark and say Stop ?
☐	☐	10. Correctly add the total number of correctly named letters?
☐	☐	11. Transfer the score correctly from the scoring page to the cover page of the scoring booklet?

PSF Assessment Accuracy Checklist

Consistently	Needs practice	Does the assessor:
☐	☐	1. Position materials so that student cannot see what is being recorded?
☐	☐	2. Read standardized directions exactly as written? <i>We are going to say the sounds in words. Listen to me say all the sounds in the word “fan.” /f/ /a/ /n/. Listen to another word, (pause) “jump.” /j/ /u/ /m/ /p/. Your turn. Say all the sounds in “soap.”</i> Correct: <i>Very good saying all the sounds in “soap.”</i> Incorrect: <i>I said “soap” so you say /s/ /o/ /a/ /p/. Your turn. Say all the sounds in “soap.”</i> Begin testing. <i>I am going to say more words. I will say the word and you say all the sounds in the word.</i> (Say the first word from the list in the scoring booklet.)
☐	☐	3. Start the timer after saying the first word?
☐	☐	4. Say the next word immediately after the student responds?
☐	☐	5. Say the next word if the student fails to say a sound within 3 seconds?
☐	☐	6. Discontinue if the student gets a score of zero on the first five words?
☐	☐	7. Use reminder procedures correctly and appropriately?
☐	☐	8. Write “sc” above any correct sound segments that were previously slashed if the student self-corrects within 3 seconds?
☐	☐	9. Score student responses correctly according to the scoring rules?
☐	☐	10. Place a bracket (]) at the 1-minute mark and tell the student to stop?
☐	☐	11. Correctly add the number of correct sound segments for each row?
☐	☐	12. Correctly add the total number of sound segments?
☐	☐	13. Transfer the score correctly from the scoring page to the front cover of the scoring booklet?

NWF Assessment Accuracy Checklist

Consistently	Needs practice	Does the assessor:
☐	☐	1. Position materials so that student cannot see what is being recorded?
☐	☐	2. State standardized directions exactly as written? We are going to read some make-believe words. Listen. This word is “sog.” (Run your finger under the word as you say it.) The sounds are /s/ /o/ /g/ (point to each letter). Your turn. Read this make-believe word (point to the word “mip”). If you can’t read the whole word, tell me any sounds you know. Correct (“mip”): Very good reading the word “mip.” Correct (letter sounds): Very good. /m/ /i/ /p/ (point to each letter) or “mip.” Incorrect: Listen. /m/ /i/ /p/ or “mip.” (Run your finger under the word as you say it.) Your turn. Read this make-believe word. (Point to the word “mip.”) If you can’t read the whole word, tell me any sounds you know. Begin testing. I would like you to read more make-believe words. Do your best reading. If you can’t read the whole word, tell me any sounds you know. (Place the student copy in front of the student.) Put your finger under the first word. Ready, begin.
☐	☐	3. Start the timer after saying Begin ?
☐	☐	4. Score student responses correctly according to the scoring rules?
☐	☐	5. Use reminder procedures correctly and appropriately?
☐	☐	6. Wait 3 seconds for the student to respond? If the student responds sound-by-sound, mixes sounds and words, or sounds out and recodes, allow 3 seconds, then provide the correct letter sound? If the student responds with whole words, allow 3 seconds, then provide the correct word?
☐	☐	7. Write “sc” above any previously slashed letter or word if the student self-corrects within 3 seconds?
☐	☐	8. Discontinue if the student gets a score of 0 for the first row?
☐	☐	9. Place a bracket (]) at the 1-minute mark and tell the student to stop?
☐	☐	10. Correctly add the correct letter sounds in each row?
☐	☐	11. Correctly add the total number of correct letter sounds and record it at the bottom of the scoring page?
☐	☐	12. Correctly add the correct whole words read in each row?
☐	☐	13. Correctly add the total number of whole words read and record it at the bottom of the scoring page?
☐	☐	14. Transfer both scores correctly from the scoring page to the front cover of the scoring booklet?

ORF Assessment Accuracy Checklist

Consistently	Needs practice	Does the assessor:
☐	☐	1. Position materials so that student cannot see what is being recorded?
☐	☐	2. State standardized directions exactly as written? <i>I would like you to read a story to me. Please do your best reading. If you do not know a word, I will read the word for you. Keep reading until I say “stop.” Be ready to tell me all about the story when you finish.</i> (Place the passage in front of the student.) Begin testing. Put your finger under the first word (point to the first word of the passage). Ready, begin. Begin testing (2nd and 3rd passages). Now read this story to me. Please do your best reading. Ready, begin.
☐	☐	3. Start the timer when the student reads the first word of the passage?
☐	☐	4. Score student responses correctly according to the scoring rules?
☐	☐	5. Use reminder procedures correctly and appropriately?
☐	☐	6. Say the word and put a slash over it if the student fails to say it correctly within 3 seconds?
☐	☐	7. Write “sc” above a previously slashed word if the student self-corrects within 3 seconds?
☐	☐	8. Discontinue if the student does not read any words correctly in the first row of the passage?
☐	☐	9. Place a bracket (J) after the last word the student read before the minute ran out and tell the student to stop?
☐	☐	10. Correctly calculate the total number of words read (correct and errors) and record it on the scoring page?
☐	☐	11. Correctly add the number of errors and record it on the scoring page?
☐	☐	12. Correctly subtract the errors from the total words and record the words correct on the scoring page?
☐	☐	13. Record both scores on the front cover of the scoring booklet?

ORF Assessment Accuracy Checklist: Retell

Consistently	Needs practice	Does the assessor:
☐	☐	14. Administer Retell if the student read 40 or more words correct?
☐	☐	15. Remove the passage and then state the standardized Retell directions exactly as written? <i>Now tell me as much as you can about the story you just read. Ready, begin.</i>
☐	☐	16. Start the stopwatch after saying Begin ?
☐	☐	17. Use reminder procedures correctly and appropriately?
☐	☐	18. Mark the number or words in the student's response and circle the total number of words?
☐	☐	19. Tell the student to stop if he/she is still retelling at the end of 1 minute?
☐	☐	20. Record the number of correct words at the bottom of the scoring booklet?
☐	☐	21. Record the score on the front cover of the scoring booklet?

Maze Assessment Accuracy Checklist

Consistently	Needs practice	Does the assessor:
☐	☐	1. Make sure each student has the appropriate worksheet?
☐	☐	2. State standardized directions exactly as written? <i>I am going to give you a worksheet. When you get your worksheet, please write your name at the top and put your pencil down.</i> <i>You are going to read a story with some missing words. For each missing word there will be a box with three words. Circle the word that makes the most sense in the story. Look at Practice 1.</i> <i>Listen. After playing in the dirt, Sam went (pause) home, summer, was (pause) to wash her hands. You should circle the word “home” because “home” makes the most sense in the story. Listen. After playing in the dirt, Sam went <u>home</u> to wash her hands.</i> <i>Now it is your turn. Read Practice 2 <u>silently</u>. When you come to a box, read all the words in the box and circle the word that makes the most sense in the story. When you are done, put your pencil down.</i> <i>After 30 seconds: Listen. On her way home, she (pause) chair, sleep, saw (pause) an ice cream truck. You should have circled “saw” because “saw” makes the most sense in the story. Listen. On her way home, she <u>saw</u> an ice cream truck.</i> <i>When I say “begin,” turn the page over and start reading the story silently. When you come to a box, read all the words in the box and circle the word that makes the most sense in the story. Ready? Begin.</i>
☐	☐	3. Start the timer after saying Begin ?
☐	☐	4. Use reminder procedures correctly and appropriately?
☐	☐	5. Say Stop, Put your pencils down at the end of 3 minutes?
☐	☐	6. Use the scoring key correctly?
☐	☐	7. Add the number of correct and incorrect responses accurately?
☐	☐	8. Write the total number of correct responses on the “C” line of the worksheet cover page?
☐	☐	9. Write the total number of incorrect responses on the “I” line of the worksheet cover page?

Appendix B: Reading Composite Score and Reading Composite Score Worksheets

The Reading Composite Score (RCS) is a combination of multiple Acadience Reading scores and provides the best overall estimate of students' early literacy skills and/or reading proficiency. Most data management services will calculate the RCS for you, provided that all required measures necessary for calculating it have been administered. To calculate the RCS yourself, see the Reading Composite Score Worksheets.

Benchmark goals and cut points for risk for the RCS are based on the same logic and procedures as the benchmark goals for the individual Acadience Reading measures. However, because the RCS provides the best overall estimate of a student's skills, it should generally be interpreted first. If a student earns a RCS that is at or above the benchmark goal, the odds are in the student's favor of reaching later important reading outcomes. Some students who score At or Above Benchmark on the RCS may still need additional support in one of the essential early literacy and reading skills, as indicated by a Below Benchmark score on an individual Acadience Reading measure (FSF, PSF, NWF, ORF, or Maze). This potential need for additional support is especially true for a student whose RCS is close to the benchmark goal.

The Acadience Reading measures that are used to calculate the RCS vary by grade and time of year. As such, the RCS is not comparable across different grades and does not provide a direct measure of growth across grades. For grades K through 2, the RCS is also not comparable across different times of year and should not be used as an indicator of growth within a grade. However, because the logic and procedures used to establish benchmark goals are consistent across grades and times of year, the percent of students at different benchmark status levels can be compared, even though the mean scores are not comparable.

K Kindergarten Acadience® Reading Composite Score Worksheet

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The Acadience Reading Composite Score is used to interpret student results for Acadience Reading. Most data-management services will calculate the composite score for you. If you do not use a data-management service or if your data-management service does not calculate it, you can use this worksheet to calculate the composite score.

Name: _____

Class: _____

Beginning of Year Benchmark

FSF Score = _____ [1]

LNf Score = _____ [2]

Acadience Reading Composite Score (add values 1–2) =

Do not calculate the composite score if any of the values are missing.

Middle of Year Benchmark

FSF Score = _____ [1]

LNf Score = _____ [2]

PSF Score = _____ [3]

NWF CLS Score = _____ [4]

Acadience Reading Composite Score (add values 1–4) =

Do not calculate the composite score if any of the values are missing.

End of Year Benchmark

LNf Score = _____ [1]

PSF Score = _____ [2]

NWF CLS Score = _____ [3]

Acadience Reading Composite Score (add values 1–3) =

Do not calculate the composite score if any of the values are missing.

1 First Grade Acadience® Reading Composite Score Worksheet

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The Acadience Reading Composite Score is used to interpret student results for Acadience Reading. Most data-management services will calculate the composite score for you. If you do not use a data-management service or if your data-management service does not calculate it, you can use this worksheet to calculate the composite score.

Name: _____

Class: _____

Middle of Year	
ORF Accuracy Percent	Accuracy Value
0%–49%	0
50%–52%	2
53%–55%	8
56%–58%	14
59%–61%	20
62%–64%	26
65%–67%	32
68%–70%	38
71%–73%	44
74%–76%	50
77%–79%	56
80%–82%	62
83%–85%	68
86%–88%	74
89%–91%	80
92%–94%	86
95%–97%	92
98%–100%	98

End of Year	
ORF Accuracy Percent	Accuracy Value
0%–64%	0
65%–66%	3
67%–68%	9
69%–70%	15
71%–72%	21
73%–74%	27
75%–76%	33
77%–78%	39
79%–80%	45
81%–82%	51
83%–84%	57
85%–86%	63
87%–88%	69
89%–90%	75
91%–92%	81
93%–94%	87
95%–96%	93
97%–98%	99
99%–100%	105

Beginning of Year Benchmark

LNF Score = _____ [1]

PSF Score = _____ [2]

NWF CLS Score = _____ [3]

Acadience Reading Composite Score
(add values 1–3) =

Do not calculate the composite score if any of the values are missing.

Middle of Year Benchmark

NWF CLS Score = _____ [1]

NWF WWR Score = _____ [2]

ORF Words Correct = _____ [3]

ORF Accuracy Percent: _____ %

100 x (Words Correct / Words Correct + Errors)

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
(add values 1–4) =

Do not calculate the composite score if any of the values are missing.

End of Year Benchmark

NWF WWR Score _____ x 2 = _____ [1]

ORF Words Correct = _____ [2]

ORF Accuracy Percent: _____ %

100 x (Words Correct / Words Correct + Errors)

Accuracy Value from Table = _____ [3]

Acadience Reading Composite Score
(add values 1–3) =

Do not calculate the composite score if any of the values are missing.

2 Second Grade Acadience® Reading Composite Score Worksheet

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The Acadience Reading Composite Score is used to interpret student results for Acadience Reading. Most data-management services will calculate the composite score for you. If you do not use a data-management service or if your data-management service does not calculate it, you can use this worksheet to calculate the composite score.

Name: _____

Class: _____

Beginning of Year	
ORF Accuracy Percent	Accuracy Value
0%–64%	0
65%–66%	3
67%–68%	9
69%–70%	15
71%–72%	21
73%–74%	27
75%–76%	33
77%–78%	39
79%–80%	45
81%–82%	51
83%–84%	57
85%–86%	63
87%–88%	69
89%–90%	75
91%–92%	81
93%–94%	87
95%–96%	93
97%–98%	99
99%–100%	105

Beginning of Year Benchmark

NWF-WWR Score _____ x 2 = _____ [1]

ORF Words Correct = _____ [2]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [3]

Acadience Reading Composite Score
 (add values 1–3) =

Do not calculate the composite score if any of the values are missing.

Middle and End of Year	
ORF Accuracy Percent	Accuracy Value
0%–85%	0
86%	8
87%	16
88%	24
89%	32
90%	40
91%	48
92%	56
93%	64
94%	72
95%	80
96%	88
97%	96
98%	104
99%	112
100%	120

Middle of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [3]

Acadience Reading Composite Score
 (add values 1–3) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

End of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [3]

Acadience Reading Composite Score
 (add values 1–3) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

3 Third Grade Acadience® Reading Composite Score Worksheet

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The Acadience Reading Composite Score is used to interpret student results for Acadience Reading. Most data-management services will calculate the composite score for you. If you do not use a data-management service or if your data-management service does not calculate it, you can use this worksheet to calculate the composite score.

Name: _____

Class: _____

Beginning, Middle, and End of Year	
ORF Accuracy Percent	Accuracy Value
0%–85%	0
86%	8
87%	16
88%	24
89%	32
90%	40
91%	48
92%	56
93%	64
94%	72
95%	80
96%	88
97%	96
98%	104
99%	112
100%	120

Beginning of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

Middle of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

End of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

4 Fourth Grade Acadience® Reading Composite Score Worksheet

© Acadience Learning Inc. / May 19, 2020

The Acadience Reading Composite Score is used to interpret student results for Acadience Reading. Most data-management services will calculate the composite score for you. If you do not use a data-management service or if your data-management service does not calculate it, you can use this worksheet to calculate the composite score.

Name: _____ Class: _____

Beginning, Middle, and End of Year	
ORF Accuracy Percent	Accuracy Value
0%–85%	0
86%	8
87%	16
88%	24
89%	32
90%	40
91%	48
92%	56
93%	64
94%	72
95%	80
96%	88
97%	96
98%	104
99%	112
100%	120

Beginning of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

Middle of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

End of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

5 Fifth Grade Acadience® Reading Composite Score Worksheet

© Acadience Learning Inc. / May 19, 2020

The Acadience Reading Composite Score is used to interpret student results for Acadience Reading. Most data-management services will calculate the composite score for you. If you do not use a data-management service or if your data-management service does not calculate it, you can use this worksheet to calculate the composite score.

Name: _____

Class: _____

Beginning, Middle, and End of Year	
ORF Accuracy Percent	Accuracy Value
0%–85%	0
86%	8
87%	16
88%	24
89%	32
90%	40
91%	48
92%	56
93%	64
94%	72
95%	80
96%	88
97%	96
98%	104
99%	112
100%	120

Beginning of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

Middle of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

End of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

6 Sixth Grade Acadience® Reading Composite Score Worksheet

© Acadience Learning Inc. / May 19, 2020

The Acadience Reading Composite Score is used to interpret student results for Acadience Reading. Most data-management services will calculate the composite score for you. If you do not use a data-management service or if your data-management service does not calculate it, you can use this worksheet to calculate the composite score.

Name: _____

Class: _____

Beginning, Middle, and End of Year	
ORF Accuracy Percent	Accuracy Value
0%–85%	0
86%	8
87%	16
88%	24
89%	32
90%	40
91%	48
92%	56
93%	64
94%	72
95%	80
96%	88
97%	96
98%	104
99%	112
100%	120

Beginning of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

Middle of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

End of Year Benchmark

ORF Words Correct = _____ [1]

Retell Score _____ x 2 = _____ [2]

Maze Adjusted Score _____ x 4 = _____ [3]

ORF Accuracy Percent: _____ %
 $100 \times (\text{Words Correct} / \text{Words Correct} + \text{Errors})$

Accuracy Value from Table = _____ [4]

Acadience Reading Composite Score
 (add values 1–4) =

If ORF is below 40 and Retell is not administered, use 0 for the Retell value only for calculating the Acadience Reading Composite Score. Do not calculate the composite score if any of the values are missing.

Appendix C: Benchmark Goals and Cut Points for Risk

Benchmark Goals Study

The Acadience Reading benchmark goals, cut points for risk, and Composite Score were developed based upon data collected in a study conducted during the 2009–2010 school year. The benchmark goals are based on research that examined the predictive probability of a score on a measure at a particular point in time, compared to later Acadience Reading measures and external measures of reading proficiency and achievement. The external criterion measure of reading proficiency was the Group Reading and Diagnostic Evaluation (GRADE; Williams, 2001). The 40th percentile on the GRADE assessment was used as an indicator that the students had adequate early literacy and/or reading skills for their grade. Data for the study were collected in thirteen elementary and middle schools in five states. Data collection included administering the Acadience Reading measures to participating students in grades K–6 in addition to the GRADE. Participants in the study were 3,816 students across grades K–6 from general education classrooms who were receiving English language reading instruction, including students with disabilities and students who were English language learners, provided they had the response capabilities to participate. The study included both students who were struggling in reading and those who were typically achieving. A subset of the total sample participated in the GRADE assessment ($n = 1,306$ across grades K–6). Additional information about the study can be found in *DIBELS Next*¹: *Findings from the Benchmark Goals Study*, available from www.acadiencelearning.org.

¹Acadience® Reading K–6 is the new name for the DIBELS Next® assessment. Acadience is a registered trademark of Acadience Learning Inc. The DIBELS Next copyrighted content is owned by Acadience Learning Inc. The DIBELS Next registered trademark was sold by Acadience Learning Inc. to the University of Oregon (UO) and is now owned by the UO.

Acadience Reading: Summary of Benchmark Goals and Cut Points for Risk

Reading Composite Score									
38	156	152	129	177	208	287	289	349	405
26	122	119	113	130	155	238	220	285	330
13	85	89	97	100	111	180	180	235	280
First Sound Fluency (FSF)									
16	43								
10	30								
5	20								
Phoneme Segmentation Fluency (PSF)									
44	56	47							
20	40	40							
10	25	25							
Nonsense Word Fluency (NWF)									
28	40	34	59	81	72				
17	28	27	43	58	54				
8	15	18	33	47	35				
Whole Words Read									
	4	17	25	21					
	1	8	13	13					
	0	3	6	6					
Oral Reading Fluency (ORF)									
Words Correct		34	67	91	104				
		23	47	72	87				
		16	32	55	65				
Accuracy		86%	97%	99%	99%				
		78%	90%	96%	97%				
		68%	82%	91%	93%				
Retell		17	31	39	46				
		15	21	27	30				
		0	13	18	20				
Retell Quality of Response				2	3				
				1	2				
Maze Adjusted Score									
		11	16	23					
		8	11	19					
		5	7	14					
Reading Composite Score									
38	156	152	129	177	208	287	289	349	405
26	122	119	113	130	155	238	220	285	330
13	85	89	97	100	111	180	180	245	280
First Sound Fluency (FSF)									
16	43								
10	30								
5	20								
Phoneme Segmentation Fluency (PSF)									
44	56	47							
20	40	40							
10	25	25							
Nonsense Word Fluency (NWF)									
28	40	34	59	81	72				
17	28	27	43	58	54				
8	15	18	33	47	35				
Whole Words Read									
	4	17	25	21					
	1	8	13	13					
	0	3	6	6					
Oral Reading Fluency (ORF)									
Words Correct		34	67	91	104				
		23	47	72	87				
		16	32	55	65				
Accuracy		86%	97%	99%	99%				
		78%	90%	96%	97%				
		68%	82%	91%	93%				
Retell		17	31	39	46				
		15	21	27	30				
		0	13	18	20				
Retell Quality of Response				2	3				
				1	2				
Maze Adjusted Score									
		11	16	23					
		8	11	19					
		5	7	14					
Reading Composite Score									
38	156	152	129	177	208	287	289	349	405
26	122	119	113	130	155	238	220	285	330
13	85	89	97	100	111	180	180	245	280
First Sound Fluency (FSF)									
16	43								
10	30								
5	20								
Phoneme Segmentation Fluency (PSF)									
44	56	47							
20	40	40							
10	25	25							
Nonsense Word Fluency (NWF)									
28	40	34	59	81	72				
17	28	27	43	58	54				
8	15	18	33	47	35				
Whole Words Read									
	4	17	25	21					
	1	8	13	13					
	0	3	6	6					
Oral Reading Fluency (ORF)									
Words Correct		34	67	91	104				
		23	47	72	87				
		16	32	55	65				
Accuracy		86%	97%	99%	99%				
		78%	90%	96%	97%				
		68%	82%	91%	93%				
Retell		17	31	39	46				
		15	21	27	30				
		0	13	18	20				
Retell Quality of Response				2	3				
				1	2				
Maze Adjusted Score									
		11	16	23					
		8	11	19					
		5	7	14					
Reading Composite Score									
38	156	152	129	177	208	287	289	349	405
26	122	119	113	130	155	238	220	285	330
13	85	89	97	100	111	180	180	245	280
First Sound Fluency (FSF)									
16	43								
10	30								
5	20								
Phoneme Segmentation Fluency (PSF)									
44	56	47							
20	40	40							
10	25	25							
Nonsense Word Fluency (NWF)									
28	40	34	59	81	72				
17	28	27	43	58	54				
8	15	18	33	47	35				
Whole Words Read									
	4	17	25	21					
	1	8	13	13					
	0	3	6	6					
Oral Reading Fluency (ORF)									
Words Correct		34	67	91	104				
		23	47	72	87				
		16	32	55	65				
Accuracy		86%	97%	99%	99%				
		78%	90%	96%	97%				
		68%	82%	91%	93%				
Retell		17	31	39	46				
		15	21	27	30				
		0	13	18	20				
Retell Quality of Response				2	3				
				1	2				
Maze Adjusted Score									
		11	16	23					
		8	11	19					
		5	7	14					
Reading Composite Score									
38	156	152	129	177	208	287	289	349	405
26	122	119	113	130	155	238	220	285	330
13	85	89	97	100	111	180	180	245	280
First Sound Fluency (FSF)									
16	43								
10	30								
5	20								
Phoneme Segmentation Fluency (PSF)									
44	56	47							
20	40	40							
10	25	25							
Nonsense Word Fluency (NWF)									
28	40	34	59	81	72				
17	28	27	43	58	54				
8	15	18	33	47	35				
Whole Words Read									
	4	17	25	21					
	1	8	13	13					
	0	3	6	6					
Oral Reading Fluency (ORF)									
Words Correct		34	67	91	104				
		23	47	72	87				
		16	32	55	65				
Accuracy		86%	97%	99%	99%				
		78%	90%	96%	97%				
		68%	82%	91%	93%				
Retell		17	31	39	46				
		15	21	27	30				
		0	13	18	20				
Retell Quality of Response				2	3				
				1	2				
Maze Adjusted Score									
		11	16	23					
		8	11	19					
		5	7	14					
Reading Composite Score									
38	156	152	129	177	208	287	289	349	405
26	122	119	113	130	155	238	220	285	330
13	85	89	97	100	111	180	180	245	280
First Sound Fluency (FSF)									
16	43								
10	30								
5	20								
Phoneme Segmentation Fluency (PSF)									
44	56	47							
20	40	40							
10	25	25							
Nonsense Word Fluency (NWF)									
28	40	34	59	81	72				
17	28	27	43	58	54				
8	15	18	33	47	35				
Whole Words Read									
	4	17	25	21					
	1	8	13	13					
	0	3	6	6					
Oral Reading Fluency (ORF)									
Words Correct		34	67	91	104				
		23	47	72	87				
		16	32	55	65				
Accuracy		86%	97%	99%	99%				
		78%	90%	96%	97%				
		68%	82%	91%	93%				
Retell		17	31	39	46				
		15	21	27	30				
		0	13	18	20				
Retell Quality of Response				2	3				
				1	2				
Maze Adjusted Score									
		11	16	23					
		8	11	19					
		5	7	14					
Reading Composite Score									
38	156	152	129	177	208	287	289	349	405
26	122	119	113	130	155	238	220	285	330
13	85	89	97	100	111	180	180	245	280
First Sound Fluency (FSF)									
16	43								
10	30								
5	20								
Phoneme Segmentation Fluency (PSF)									
44	56	47							
20	40	40							
10	25	25							
Nonsense Word Fluency (NWF)									
28	40	34	59	81	72				
17	28	27	43	58	54				
8	15	18	33	47	35				
Whole Words Read									
	4	17	25	21					
	1	8	13	13					
	0	3	6	6					
Oral Reading Fluency (ORF)									
Words Correct		34	67	91	104				
		23	47	72	87				
		16	32	55	65				
Accuracy		86%	97%	99%	99%				
		78%	90%	96%	97%				
		68%	82%	91%	93%				
Retell		17	31						

Kindergarten Benchmark Goals and Cut Points for Risk

Acadience Reading Measure	Benchmark Status	Likely Need for Support	Beginning of Year	Middle of Year	End of Year
Reading Composite Score	Above Benchmark	Likely to Need Core Support ^a	38 +	156 +	152 +
	At Benchmark	Likely to Need Core Support^b	26 - 37	122 - 155	119 - 151
	Below Benchmark	Likely to Need Strategic Support	<i>13 - 25</i>	<i>85 - 121</i>	<i>89 - 118</i>
	Well Below Benchmark	Likely to Need Intensive Support	<i>0 - 12</i>	<i>0 - 84</i>	<i>0 - 88</i>
FSF	Above Benchmark	Likely to Need Core Support ^a	16 +	43 +	
	At Benchmark	Likely to Need Core Support^b	10 - 15	30 - 42	
	Below Benchmark	Likely to Need Strategic Support	<i>5 - 9</i>	<i>20 - 29</i>	
	Well Below Benchmark	Likely to Need Intensive Support	<i>0 - 4</i>	<i>0 - 19</i>	
PSF	Above Benchmark	Likely to Need Core Support ^a		44 +	56 +
	At Benchmark	Likely to Need Core Support^b		20 - 43	40 - 55
	Below Benchmark	Likely to Need Strategic Support		<i>10 - 19</i>	<i>25 - 39</i>
	Well Below Benchmark	Likely to Need Intensive Support		<i>0 - 9</i>	<i>0 - 24</i>
NWF-CLS	Above Benchmark	Likely to Need Core Support ^a		28 +	40 +
	At Benchmark	Likely to Need Core Support^b		17 - 27	28 - 39
	Below Benchmark	Likely to Need Strategic Support		<i>8 - 16</i>	<i>15 - 27</i>
	Well Below Benchmark	Likely to Need Intensive Support		<i>0 - 7</i>	<i>0 - 14</i>

The benchmark goal is the number that is **bold**. The cut point for risk is the number that is *italicized*.

^a Some students may benefit from instruction on more advanced skills.

^b Some students may require monitoring and strategic support on component skills.

First Grade Benchmark Goals and Cut Points for Risk

Acadience Reading Measure	Benchmark Status	Likely Need for Support	Beginning of Year	Middle of Year	End of Year
Reading Composite Score	Above Benchmark	Likely to Need Core Support ^a	129 +	177 +	208 +
	At Benchmark	Likely to Need Core Support^b	113 - 128	130 - 176	155 - 207
	Below Benchmark	Likely to Need Strategic Support	97 - 112	100 - 129	111 - 154
	Well Below Benchmark	Likely to Need Intensive Support	0 - 96	0 - 99	0 - 110
PSF	Above Benchmark	Likely to Need Core Support ^a	47 +		
	At Benchmark	Likely to Need Core Support^b	40 - 46		
	Below Benchmark	Likely to Need Strategic Support	25 - 39		
	Well Below Benchmark	Likely to Need Intensive Support	0 - 24		
NWF-CLS	Above Benchmark	Likely to Need Core Support ^a	34 +	59 +	81 +
	At Benchmark	Likely to Need Core Support^b	27 - 33	43 - 58	58 - 80
	Below Benchmark	Likely to Need Strategic Support	18 - 26	33 - 42	47 - 57
	Well Below Benchmark	Likely to Need Intensive Support	0 - 17	0 - 32	0 - 46
NWF-WWR	Above Benchmark	Likely to Need Core Support ^a	4 +	17 +	25 +
	At Benchmark	Likely to Need Core Support^b	1 - 3	8 - 16	13 - 24
	Below Benchmark	Likely to Need Strategic Support	0	3 - 7	6 - 12
	Well Below Benchmark	Likely to Need Intensive Support		0 - 2	0 - 5
ORF Words Correct	Above Benchmark	Likely to Need Core Support ^a		34 +	67 +
	At Benchmark	Likely to Need Core Support^b		23 - 33	47 - 66
	Below Benchmark	Likely to Need Strategic Support		16 - 22	32 - 46
	Well Below Benchmark	Likely to Need Intensive Support		0 - 15	0 - 31
ORF Accuracy	Above Benchmark	Likely to Need Core Support ^a		86% +	97% +
	At Benchmark	Likely to Need Core Support^b		78% - 85%	90% - 96%
	Below Benchmark	Likely to Need Strategic Support		68% - 77%	82% - 89%
	Well Below Benchmark	Likely to Need Intensive Support		0% - 67%	0% - 81%
Retell	Above Benchmark	Likely to Need Core Support ^a			17 +
	At Benchmark	Likely to Need Core Support^b			15 - 16
	Below Benchmark	Likely to Need Strategic Support			0 - 14
	Well Below Benchmark	Likely to Need Intensive Support			

The benchmark goal is the number that is **bold**. The cut point for risk is the number that is *italicized*.

^a Some students may benefit from instruction on more advanced skills.

^b Some students may require monitoring and strategic support on component skills.

Second Grade Benchmark Goals and Cut Points for Risk

Acadience Reading Measure	Benchmark Status	Likely Need for Support	Beginning of Year	Middle of Year	End of Year
Reading Composite Score	Above Benchmark	Likely to Need Core Support ^a	202 +	256 +	287 +
	At Benchmark	Likely to Need Core Support^b	141 - 201	190 - 255	238 - 286
	Below Benchmark	Likely to Need Strategic Support	109 - 140	145 - 189	180 - 237
	Well Below Benchmark	Likely to Need Intensive Support	0 - 108	0 - 144	0 - 179
NWF-CLS	Above Benchmark	Likely to Need Core Support ^a	72 +		
	At Benchmark	Likely to Need Core Support^b	54 - 71		
	Below Benchmark	Likely to Need Strategic Support	35 - 53		
	Well Below Benchmark	Likely to Need Intensive Support	0 - 34		
NWF-WWR	Above Benchmark	Likely to Need Core Support ^a	21 +		
	At Benchmark	Likely to Need Core Support^b	13 - 20		
	Below Benchmark	Likely to Need Strategic Support	6 - 12		
	Well Below Benchmark	Likely to Need Intensive Support	0 - 5		
ORF Words Correct	Above Benchmark	Likely to Need Core Support ^a	68 +	91 +	104 +
	At Benchmark	Likely to Need Core Support^b	52 - 67	72 - 90	87 - 103
	Below Benchmark	Likely to Need Strategic Support	37 - 51	55 - 71	65 - 86
	Well Below Benchmark	Likely to Need Intensive Support	0 - 36	0 - 54	0 - 64
ORF Accuracy	Above Benchmark	Likely to Need Core Support ^a	96% +	99% +	99% +
	At Benchmark	Likely to Need Core Support^b	90% - 95%	96% - 98%	97% - 98%
	Below Benchmark	Likely to Need Strategic Support	81% - 89%	91% - 95%	93% - 96%
	Well Below Benchmark	Likely to Need Intensive Support	0% - 80%	0% - 90%	0% - 92%
Retell	Above Benchmark	Likely to Need Core Support ^a	25 +	31 +	39 +
	At Benchmark	Likely to Need Core Support^b	16 - 24	21 - 30	27 - 38
	Below Benchmark	Likely to Need Strategic Support	8 - 15	13 - 20	18 - 26
	Well Below Benchmark	Likely to Need Intensive Support	0 - 7	0 - 12	0 - 17
Retell Quality of Response	At or Above Benchmark	Likely to Need Core Support^b		2 +	2 +
	Below Benchmark	Likely to Need Strategic Support		1	1
	Well Below Benchmark	Likely to Need Intensive Support			

The benchmark goal is the number that is **bold**. The cut point for risk is the number that is *italicized*.

^a Some students may benefit from instruction on more advanced skills.

^b Some students may require monitoring and strategic support on component skills.

Third Grade Benchmark Goals and Cut Points for Risk

Acadience Reading Measure	Benchmark Status	Likely Need for Support	Beginning of Year	Middle of Year	End of Year
Reading Composite Score	Above Benchmark	Likely to Need Core Support ^a	289 +	349 +	405 +
	At Benchmark	Likely to Need Core Support^b	220 - 288	285 - 348	330 - 404
	Below Benchmark	Likely to Need Strategic Support	180 - 219	235 - 284	280 - 329
	Well Below Benchmark	Likely to Need Intensive Support	0 - 179	0 - 234	0 - 279
ORF Words Correct	Above Benchmark	Likely to Need Core Support ^a	90 +	105 +	118 +
	At Benchmark	Likely to Need Core Support^b	70 - 89	86 - 104	100 - 117
	Below Benchmark	Likely to Need Strategic Support	55 - 69	68 - 85	80 - 99
	Well Below Benchmark	Likely to Need Intensive Support	0 - 54	0 - 67	0 - 79
ORF Accuracy	Above Benchmark	Likely to Need Core Support ^a	98% +	99% +	99% +
	At Benchmark	Likely to Need Core Support^b	95% - 97%	96% - 98%	97% - 98%
	Below Benchmark	Likely to Need Strategic Support	89% - 94%	92% - 95%	94% - 96%
	Well Below Benchmark	Likely to Need Intensive Support	0% - 88%	0% - 91%	0% - 93%
Retell	Above Benchmark	Likely to Need Core Support ^a	33 +	40 +	46 +
	At Benchmark	Likely to Need Core Support^b	20 - 32	26 - 39	30 - 45
	Below Benchmark	Likely to Need Strategic Support	10 - 19	18 - 25	20 - 29
	Well Below Benchmark	Likely to Need Intensive Support	0 - 9	0 - 17	0 - 19
Retell Quality of Response	At or Above Benchmark	Likely to Need Core Support^b	2 +	2 +	3 +
	Below Benchmark	Likely to Need Strategic Support	1	1	2
	Well Below Benchmark	Likely to Need Intensive Support			1
Maze Adjusted Score	Above Benchmark	Likely to Need Core Support ^a	11 +	16 +	23 +
	At Benchmark	Likely to Need Core Support^b	8 - 10	11 - 15	19 - 22
	Below Benchmark	Likely to Need Strategic Support	5 - 7	7 - 10	14 - 18
	Well Below Benchmark	Likely to Need Intensive Support	0 - 4	0 - 6	0 - 13

The benchmark goal is the number that is **bold**. The cut point for risk is the number that is *italicized*.

^a Some students may benefit from instruction on more advanced skills.

^b Some students may require monitoring and strategic support on component skills.

Fourth Grade Benchmark Goals and Cut Points for Risk

Acadience Reading Measure	Benchmark Status	Likely Need for Support	Beginning of Year	Middle of Year	End of Year
Reading Composite Score	Above Benchmark	Likely to Need Core Support ^a	341 +	383 +	446 +
	At Benchmark	Likely to Need Core Support^b	290 - 340	330 - 382	391 - 445
	Below Benchmark	Likely to Need Strategic Support	245 - 289	290 - 329	330 - 390
	Well Below Benchmark	Likely to Need Intensive Support	0 - 244	0 - 289	0 - 329
ORF Words Correct	Above Benchmark	Likely to Need Core Support ^a	104 +	121 +	133 +
	At Benchmark	Likely to Need Core Support^b	90 - 103	103 - 120	115 - 132
	Below Benchmark	Likely to Need Strategic Support	70 - 89	79 - 102	95 - 114
	Well Below Benchmark	Likely to Need Intensive Support	0 - 69	0 - 78	0 - 94
ORF Accuracy	Above Benchmark	Likely to Need Core Support ^a	98% +	99% +	100% +
	At Benchmark	Likely to Need Core Support^b	96% - 97%	97% - 98%	98% - 99%
	Below Benchmark	Likely to Need Strategic Support	93% - 95%	94% - 96%	95% - 97%
	Well Below Benchmark	Likely to Need Intensive Support	0% - 92%	0% - 93%	0% - 94%
Retell	Above Benchmark	Likely to Need Core Support ^a	36 +	39 +	46 +
	At Benchmark	Likely to Need Core Support^b	27 - 35	30 - 38	33 - 45
	Below Benchmark	Likely to Need Strategic Support	14 - 26	20 - 29	24 - 32
	Well Below Benchmark	Likely to Need Intensive Support	0 - 13	0 - 19	0 - 23
Retell Quality of Response	At or Above Benchmark	Likely to Need Core Support^b	2 +	2 +	3 +
	Below Benchmark	Likely to Need Strategic Support	1	1	2
	Well Below Benchmark	Likely to Need Intensive Support			1
Maze Adjusted Score	Above Benchmark	Likely to Need Core Support ^a	18 +	20 +	28 +
	At Benchmark	Likely to Need Core Support^b	15 - 17	17 - 19	24 - 27
	Below Benchmark	Likely to Need Strategic Support	10 - 14	12 - 16	20 - 23
	Well Below Benchmark	Likely to Need Intensive Support	0 - 9	0 - 11	0 - 19

The benchmark goal is the number that is **bold**. The cut point for risk is the number that is *italicized*.

^a Some students may benefit from instruction on more advanced skills.

^b Some students may require monitoring and strategic support on component skills.

Fifth Grade Benchmark Goals and Cut Points for Risk

Acadience Reading Measure	Benchmark Status	Likely Need for Support	Beginning of Year	Middle of Year	End of Year
Reading Composite Score	Above Benchmark	Likely to Need Core Support ^a	386 +	411 +	466 +
	At Benchmark	Likely to Need Core Support^b	357 - 385	372 - 410	415 - 465
	Below Benchmark	Likely to Need Strategic Support	258 - 356	310 - 371	340 - 414
	Well Below Benchmark	Likely to Need Intensive Support	0 - 257	0 - 309	0 - 339
ORF Words Correct	Above Benchmark	Likely to Need Core Support ^a	121 +	133 +	143 +
	At Benchmark	Likely to Need Core Support^b	111 - 120	120 - 132	130 - 142
	Below Benchmark	Likely to Need Strategic Support	96 - 110	101 - 119	105 - 129
	Well Below Benchmark	Likely to Need Intensive Support	0 - 95	0 - 100	0 - 104
ORF Accuracy	Above Benchmark	Likely to Need Core Support ^a	99% +	99% +	100%
	At Benchmark	Likely to Need Core Support^b	98%	98%	99%
	Below Benchmark	Likely to Need Strategic Support	95% - 97%	96% - 97%	97% - 98%
	Well Below Benchmark	Likely to Need Intensive Support	0% - 94%	0% - 95%	0% - 96%
Retell	Above Benchmark	Likely to Need Core Support ^a	40 +	46 +	52 +
	At Benchmark	Likely to Need Core Support^b	33 - 39	36 - 45	36 - 51
	Below Benchmark	Likely to Need Strategic Support	22 - 32	25 - 35	25 - 35
	Well Below Benchmark	Likely to Need Intensive Support	0 - 21	0 - 24	0 - 24
Retell Quality of Response	At or Above Benchmark	Likely to Need Core Support^b	2 +	3 +	3 +
	Below Benchmark	Likely to Need Strategic Support	1	2	2
	Well Below Benchmark	Likely to Need Intensive Support		1	1
Maze Adjusted Score	Above Benchmark	Likely to Need Core Support ^a	21 +	21 +	28 +
	At Benchmark	Likely to Need Core Support^b	18 - 20	20	24 - 27
	Below Benchmark	Likely to Need Strategic Support	12 - 17	13 - 19	18 - 23
	Well Below Benchmark	Likely to Need Intensive Support	0 - 11	0 - 12	0 - 17

The benchmark goal is the number that is **bold**. The cut point for risk is the number that is *italicized*.

^a Some students may benefit from instruction on more advanced skills.

^b Some students may require monitoring and strategic support on component skills.

Sixth Grade Benchmark Goals and Cut Points for Risk

Acadience Reading Measure	Benchmark Status	Likely Need for Support	Beginning of Year	Middle of Year	End of Year
Reading Composite Score	Above Benchmark	Likely to Need Core Support ^a	435 +	461 +	478 +
	At Benchmark	Likely to Need Core Support^b	344 - 434	358 - 460	380 - 477
	Below Benchmark	Likely to Need Strategic Support	280 - 343	285 - 357	324 - 379
	Well Below Benchmark	Likely to Need Intensive Support	0 - 279	0 - 284	0 - 323
ORF Words Correct	Above Benchmark	Likely to Need Core Support ^a	139 +	141 +	151 +
	At Benchmark	Likely to Need Core Support^b	107 - 138	109 - 140	120 - 150
	Below Benchmark	Likely to Need Strategic Support	90 - 106	92 - 108	95 - 119
	Well Below Benchmark	Likely to Need Intensive Support	0 - 89	0 - 91	0 - 94
ORF Accuracy	Above Benchmark	Likely to Need Core Support ^a	99% +	99% +	100%
	At Benchmark	Likely to Need Core Support^b	97% - 98%	97% - 98%	98% - 99%
	Below Benchmark	Likely to Need Strategic Support	94% - 96%	94% - 96%	96% - 97%
	Well Below Benchmark	Likely to Need Intensive Support	0% - 93%	0% - 93%	0% - 95%
Retell	Above Benchmark	Likely to Need Core Support ^a	43 +	48 +	50 +
	At Benchmark	Likely to Need Core Support^b	27 - 42	29 - 47	32 - 49
	Below Benchmark	Likely to Need Strategic Support	16 - 26	18 - 28	24 - 31
	Well Below Benchmark	Likely to Need Intensive Support	0 - 15	0 - 17	0 - 23
Retell Quality of Response	At or Above Benchmark	Likely to Need Core Support^b	2 +	2 +	3 +
	Below Benchmark	Likely to Need Strategic Support	1	1	2
	Well Below Benchmark	Likely to Need Intensive Support			1
Maze Adjusted Score	Above Benchmark	Likely to Need Core Support ^a	27 +	30 +	30 +
	At Benchmark	Likely to Need Core Support^b	18 - 26	19 - 29	21 - 29
	Below Benchmark	Likely to Need Strategic Support	14 - 17	14 - 18	15 - 20
	Well Below Benchmark	Likely to Need Intensive Support	0 - 13	0 - 13	0 - 14

The benchmark goal is the number that is **bold**. The cut point for risk is the number that is *italicized*.

^a Some students may benefit from instruction on more advanced skills.

^b Some students may require monitoring and strategic support on component skills.

Appendix D: Pronunciation Guide

The Pronunciation Guide is a reference for giving and scoring the Acadience Reading measures. The phonemes and examples should guide how the sounds are spoken to students during the assessment, and also should guide how to score the measures. The sounds listed in this guide are shown in the initial, medial, and final position in words when possible. Multiple spellings (or the most common spellings) for each sound are shown. Different regions of the country use different dialects of American English. Any regional or dialectal pronunciation of the sound is acceptable.

<i>Phoneme</i>	<i>Phoneme Example</i>	<i>Phoneme</i>	<i>Phoneme Example</i>
/b/	bus, baby, tub	/TH/	them, feather, breathe
/d/	dig, doll, ladder, hid	/ng/	wing, spinning, think, rung
/f/	fox, before, laugh, graph	/a/	ant, tap, hat
/g/	go, leg, soggy, hog	/e/	echo, hen, met
/h/	him, ahead	/i/	is, sit, big, with
/j/	jar, ledge, jump, agile	/o/	off, saw, dot, waffle
/k/	cap, kite, baking, echo, stack	/u/	up, allow, above, mother
/l/	lap, light, hollow, pull	/ai/	ace, rail, made, hay
/m/	mess, me, hammer, sum, am	/ea/	eat, fleet, she
/n/	not, dinner, on	/ie/	ice, tried, finally, pie, light, fly
/p/	pie, apple, hop	/oa/	oak, soap, hope
/r/	run, tree, write, arrow	/oo/	boot, shoe, value, nephew
/s/	sap, city, listen, race	/uu/	wood, should, put
/t/	tot, hotter, mat	/ow/	house, cow
/v/	vest, vase, seven, move	/oy/	oil, point, choice, toy
/w/	win, away, wheel, somewhere	/ar/ (1 phoneme)	art, heart, start
/y/	yes, onion	/er/ (1 phoneme)	fern, first, learn, turn, girl
/z/	zip, easy, is	/or/ (1 phoneme)	sort, before
/ch/	chicken, future, switch	/e/ /r/ (2 phonemes)	pair, share
/sh/	shop, show, motion, hush	/i/ /r/ (2 phonemes)	hear
/zh/	treasure, beige	/uu/ /r/ (2 phonemes)	tour, lure
/th/	think, nothing, south		

Note: For the intent and purpose of assessing beginning phonemic awareness skills in students in kindergarten and first grade, we do not distinguish between the /w/ sound in “win” and the /wh/ sound in “where” or between the /o/ sound in “hop” and the /aw/ sound in “saw.”

Appendix E: Sample Statement and Letters

The sample statement and letters in this appendix are discussed in *Chapter 4: Implementing Acadience Reading in Your School*.

Sample Student Statement

The following is a sample statement that can be used to introduce students to Acadience Reading testing. The wording of this sample is meant to be used on the day the students will be tested. The statement can be modified to fit other situations.

This is only an example, and each school is encouraged to introduce Acadience Reading testing to students in a manner appropriate to the school community.

Today we are going to do some activities that will help me know how to teach you better.

I will be working with some of you, and some of you will go with *Mr. Jones, Ms. Smith, or Mrs. Thomas (replace with names of assessment team members)*.

We will go to quiet places such as the *cafeteria, the library, the nurse's office, or the gym (replace with correct locations)*.

We will ask you to

Kindergarten: "Tell us letters, and the sounds in words."

First grade (*beginning of year*): "Tell us letters and the sounds in words."

First grade (*middle and end of year*): "Tell us the sounds in words and read short stories."

Second to sixth grade: "Read short stories and tell about them."

Some of the activities may be easy, and some may be hard. I want you to concentrate and do your best. You will not get a grade on these activities, but you should do your best so I can know what I need to teach you next.

Sample Parent Announcement Letter

The following is a sample letter that can be used to introduce parents and guardians to Acadience Reading testing.

This is only an example, and each school is encouraged to provide accurate and understandable information to parents and guardians in a manner appropriate to the school community.

Dear Parents and Guardians,

The teachers and administrators at our school are committed to helping your child become a successful reader. As part of this commitment, our school has chosen to use a test called Acadience Reading to help us examine how your child is doing in learning important reading skills.

Acadience Reading tests skills that are necessary for learning to read. Children who learn these skills become good readers. The skills are:

- **Phonemic Awareness:** Hearing and using sounds in spoken words
- **Phonics:** Knowing the sounds of the letters and sounding out written words
- **Accurate and Fluent Reading:** Reading stories and other materials easily and quickly with few mistakes
- **Reading Comprehension:** Understanding what is read

Acadience Reading is made up of six short individual tests. Because each test focuses on a different reading skill, your child may be given two to four Acadience Reading tests depending on his or her grade level.

Each test takes approximately 1 minute because the tests are used only as *indicators*. Much like using a thermometer to take a child's temperature is an indicator of overall health, each test is an indicator of how well a child is doing in learning a particular early reading skill. These measures are used to determine the reading skills of millions of children throughout the United States. The scores tell us whether a child is likely to be "on track" for learning to read or whether a child may need some help in learning important reading skills. Your child's teacher will use the information to better help your child. For example, Acadience Reading test results may tell us that we need to spend more time teaching your child how to "sound out" unknown words.

Acadience Reading is used to identify children who may need extra help to become good readers and to check up on those children while they receive the extra help to make sure they are making progress. Acadience Reading also may be used to make decisions about how well our school's overall reading program is working for all children. Acadience Reading will not be used to grade your child.

We are working hard at school to make sure that every child is on target for success, and we thank you for your efforts at home. Together, we will help your child become a successful reader.

Sincerely,
(principal's name)

Sample Results Letter

The following is a sample letter that can be used to discuss Acadience Reading results with parents and guardians. Each school is encouraged to provide accurate and understandable information to parents and guardians in a manner appropriate to its school community.

Dear Parents of *(insert student name)*:

All students in our school are tested three times during the school year using Acadience Reading. The purpose of this assessment is to monitor your child’s development in reading, to identify students needing additional help, and to guide the teacher’s classroom instruction.

The Acadience Reading measures given in first grade are described below:

Reading Measure	Skill Area	Types of Activities
Phoneme Segmentation Fluency	Phonemic Awareness	Saying individual sounds in words
Nonsense Word Fluency	Basic Phonics	Letter-sound correspondence and blending letter sounds into words
Oral Reading Fluency	Accurate and Fluent Reading and Reading Comprehension	Accurately reading a passage of text and retelling what was read

In the last several weeks, we have tested all students to check their reading progress. Teachers will use this information, along with classroom information, to determine any areas in which students need more instruction.

Your child’s results are provided on the next page.

The Reading Composite Score is a combination of multiple Acadience Reading scores and provides the best overall estimate of a student’s reading proficiency. The scores used to calculate the Composite Score vary by grade and time of year. This means the Composite Score should only be compared to the goal for that time of the school year and not to goals or Composite Scores at other times of the year.

Please note that the goal number listed next to your child’s score indicates the minimum target for students at the beginning, middle, and end of the school year.

Scores at or above the goal indicate that the student is on track for meeting future reading outcomes with the instruction that is currently being provided. Scores below the goal indicate that the student is currently not on track to meet future reading outcomes and may need additional reading support to catch up.

Students who score at or above the Composite Score goal may still need additional instruction in one or more skill areas, as indicated by a score below the goal on one of the Acadience Reading measures (Phoneme Segmentation Fluency, Nonsense Word Fluency, or Oral Reading Fluency).

Sample Results Letter, continued

	Beginning of Year		Middle of Year		End of Year	
Reading Tests for First Grade	Goal	Score	Goal	Score	Goal	Score
Reading Composite Score	113		130		155	
Phoneme Segmentation Fluency	40		<i>not given</i>		<i>not given</i>	
Nonsense Word Fluency CLS WWR	27		43		58	
	1		8		13	
Oral Reading Fluency Words Correct Accuracy Retell	<i>not given</i>		23		47	
			78%		90%	
			n/a		15	

Scores for your child indicate the following:

_____ Your child will receive the regular classroom reading instruction.

_____ Your child will receive additional instruction within the classroom on the following skills:

_____ Your child will be recommended for additional reading instruction outside the classroom on the following skills:

If you have any questions concerning your child's Acadience Reading information, please contact me or your child's teacher.

Sincerely,

(principal's name)

Appendix F: Practice Scoring Sheets and Answer Keys

The following tables provide an opportunity for self-directed practice in scoring student responses. This practice is intended to supplement and not replace training on the administration and scoring of the measures.

First Sound Fluency Practice Scoring Sheet

<i>Word</i>	<i>Student Response</i>	<i>Score</i>	<i>Rule/Note</i>
ramp	r		
	ra		
	ram		
	ramp		
fast	f		
	fa		
	fas		
	fast		
slip	s		
	sl		
	sli		
	slip		
breeze	f		
	fr		
	frea		
	breaz		
plate	pu		
	plu		
	plai		
	plait		
trade	ch*		
	chai		
	chaid		

*said by a student with speech impairment; pronounces /ch/ for /tr/ and /j/ for /dr/

First Sound Fluency Practice Scoring Sheet: Answer Key

Word	Student Response	Score	Rule/Note
ramp	r	2	Correct first sound
	ra	1	Blended first sounds
	ram	0	Included sounds beyond the first vowel
	ramp	0	Repeat word
fast	f	2	Correct first sound
	fa	1	Blended first sounds
	fas	0	Included sounds beyond the first vowel
	fast	0	Repeat word
slip	s	2	Correct first sound
	sl	1	Blended first sounds
	sli	1	Blended first sounds
	slip	0	Repeat word
breeze	f	0	Incorrect first sound
	fr	0	Incorrect blended first sound
	frea	0	Incorrect blended first sound
	breaz	0	Repeat word
plate	pu	2	Correct with added sound
	plu	1	Blended first sounds with added sound
	plai	1	Blended first sounds
	plait	0	Repeat word
trade	ch*	2	Articulation
	chai	1	Articulation
	chaid	0	Repeat word

*said by a student with speech impairment; pronounces /ch/ for /tr/ and /j/ for /dr/

Phoneme Segmentation Fluency Practice Scoring Sheet

Word	Student Response	Score	Rule/Note
bet	/b/.../e/.../t/	/b/ /e/ /t/ ____/ 3	
	/b/.../et/	/b/ /e/ /t/ ____/ 3	
	/be/.../t/	/b/ /e/ /t/ ____/ 3	
	/be/.../e/.../et/	/b/ /e/ /t/ ____/ 3	
	/b/... (3 seconds)	/b/ /e/ /t/ ____/ 3	
	/b/...bet	/b/ /e/ /t/ ____/ 3	
	bet	/b/ /e/ /t/ ____/ 3	
	/b/.../e/.../k/	/b/ /e/ /t/ ____/ 3	
	/b/.../e/.../s/.../t/	/b/ /e/ /t/ ____/ 3	
	/b/.../es/.../t/	/b/ /e/ /t/ ____/ 3	
slip	slip	/s/ /l/ /i/ /p/ ____/4	
	/sli/.../ip/	/s/ /l/ /i/ /p/ ____/4	
	/s/.../li/.../p/	/s/ /l/ /i/ /p/ ____/4	
	/sl/.../ip/	/s/ /l/ /i/ /p/ ____/4	
	/s/.../l/.../i/.../p/	/s/ /l/ /i/ /p/ ____/4	
	/s/...slip	/s/ /l/ /i/ /p/ ____/4	
	/s/.../l/... (3 seconds)	/s/ /l/ /i/ /p/ ____/4	
	/s/.../l/.../i/.../k/	/s/ /l/ /i/ /p/ ____/4	
	/s/.../l/.../i/.../p/.../s/	/s/ /l/ /i/ /p/ ____/4	
	/su/.../lu/.../i/.../pu/	/s/ /l/ /i/ /p/ ____/4	
	/sk/.../i/.../p/	/s/ /l/ /i/ /p/ ____/4	
	/th/.../w/.../i/.../p/ *	/s/ /l/ /i/ /p/ ____/4	

*said by a student with a speech impairment who pronounces /th/ for /s/ and /w/ for /l/

Phoneme Segmentation Fluency Practice Scoring Sheet: Answer Key

Word	Student Response	Score	Rule/Note
bet	/b/.../e/.../t/	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>3</u> / 3	Complete, correct segmentation
	/b/.../et/	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>2</u> / 3	Partial segmentation
	/be/.../t/	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>2</u> / 3	Partial segmentation
	/be/.../e/.../et/	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>3</u> / 3	Overlapping segmentation
	/b/... (3 seconds)	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>1</u> / 3	Partial segmentation
	/b/...bet	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>1</u> / 3	Partial segmentation/repeat word
	bet	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>0</u> / 3	Repeat word
	/b/.../e/.../k/	<u>/b/</u> <u>/e/</u> /t/ <u>2</u> / 3	Incorrect sound
	/b/.../e/.../s/.../t/	<u>/b/</u> <u>/e/</u> <u>/t/</u> <u>3</u> / 3	Added sound
	/b/.../es/.../t/	<u>/b/</u> /e/ <u>/t/</u> <u>2</u> / 3	Incorrect sound
slip	slip	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>0</u> / 4	Repeat word
	/sli/.../ip/	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>2</u> / 4	Overlapping segmentation
	/s/.../li/.../p/	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>3</u> / 4	Partial segmentation
	/sl/.../ip/	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>2</u> / 4	Incomplete segmentation
	/s/.../l/.../i/.../p/	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>4</u> / 4	Complete, correct segmentation
	/s/...slip	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>1</u> / 4	Partial segmentation/repeat word
	/s/.../l/... (3 seconds)	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>2</u> / 4	Partial segmentation
	/s/.../l/.../i/.../k/	<u>/s/</u> <u>/l/</u> <u>/i/</u> /p/ <u>3</u> / 4	Incorrect sound
	/s/.../l/.../i/.../p/.../s/	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>4</u> / 4	Added sound
	/su/.../u/.../i/.../pu/	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>4</u> / 4	Complete, correct segmentation with schwa sound
	/sk/.../i/.../p/	/s/ /l/ <u>/i/</u> <u>/p/</u> <u>2</u> / 4	Incorrect sound
	/th/.../w/.../i/.../p/ *	<u>/s/</u> <u>/l/</u> <u>/i/</u> <u>/p/</u> <u>4</u> / 4	Articulation

*said by a student with a speech impairment who pronounces /th/ for /s/ and /w/ for /l/

Nonsense Word Fluency Practice Scoring Sheet

Word	Student Response	Score		Rule/Note
		CLS	WWR	
dif	/d/.../i/.../f/	d i f	___/3 ___	
	/du/.../i/.../fu/	d i f	___/3 ___	
	/dif/	d i f	___/3 ___	
	/d/.../i/.../f/.../dif/	d i f	___/3 ___	
	/d/.../if/	d i f	___/3 ___	
	/di/.../f/	d i f	___/3 ___	
	/b/.../i/.../f/	d i f	___/3 ___	
	/bif/	d i f	___/3 ___	
	/di/.../f/.../dif/	d i f	___/3 ___	
	/fid/	d i f	___/3 ___	
	/fed/	d i f	___/3 ___	
	/dief/	d i f	___/3 ___	
	/d/.../f/	d i f	___/3 ___	
	/d/.../d/.../d/.../i/.../f/	d i f	___/3 ___	
	/d/.../i/.../f/.../t/	d i f	___/3 ___	
	/dift/	d i f	___/3 ___	
	/i/.../d/.../f/... (while correctly pointing to each letter)	d i f	___/3 ___	
	/d/.../i/.../th/... (articulation error)	d i f	___/3 ___	

Nonsense Word Fluency Practice Scoring Sheet: Answer Key

Word	Student Response		Score		Rule/Note
			CLS	WWR	
dif	/d/.../i/.../f/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Correct letter sounds—sound-by-sound
	/du/.../i/.../fu/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Students are not penalized for adding the schwa sound after consonants
	/dif/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>1</u>	Correct letter sounds—recoded (read) as a word
	/d/.../i/.../f/.../dif/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Correct sound-by-sound, then recoded
	/d/.../if/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Correct letter sounds—onset-rime
	/di/.../f/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Correct letter sounds
	/b/.../i/.../f/	b <u>i</u> <u>f</u>	<u>2</u> /3	<u>0</u>	Incorrect letter sound—sound-by-sound
	/bif/	b <u>i</u> <u>f</u>	<u>2</u> /3	<u>0</u>	Incorrect letter sound—recoded (read) as a word
	/di/.../f/.../dif/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Correct letter sounds, then recoded
	/fid/	d <u>i</u> f	<u>1</u> /3	<u>0</u>	Correct letter sounds, but read out of order
	/fed/	d i f	<u>0</u> /3	<u>0</u>	Incorrect letter sounds
	/dief/	<u>d</u> i <u>f</u>	<u>2</u> /3	<u>0</u>	Incorrect letter sound—all vowels should be read as short sound
	/d/.../f/	<u>d</u> <u>i</u> <u>f</u>	<u>2</u> /3	<u>0</u>	Omitted sound
	/d/.../d/.../d/.../i/.../f/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Repeated correct letter sound
	/d/.../i/.../f/.../t/	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Inserted sound—sound-by-sound
	/dift/	<u>d</u> <u>i</u> <u>f</u> /	<u>3</u> /3	<u>0</u>	Inserted sound—read as a word
	/i/.../d/.../f/... (while correctly pointing to each letter)	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	Correct letter sounds—read out of order, but credit given if student points correctly
	/d/.../i/.../th/... (articulation error)	<u>d</u> <u>i</u> <u>f</u>	<u>3</u> /3	<u>0</u>	No penalty in scoring for articulation errors

Oral Reading Fluency/Retell Practice Scoring Sheet

Passage

Four baskets were filled with fish. Now it was time to take them to the market. Ken helped his father load the baskets onto the family’s boat. Ken’s family lived on a large island off the coast of Africa. They used the boat to sail to market.

Student Response

Four buckets were fixed with big fish. Now it is time to take to the m...m...mar... (3 seconds, assessor says **market**). Ken helped her father /l/ /oa/ /d/ the buckets the onto the f...f...fa...(3 seconds, assessor says**family’s**) boat. Ken’s family lived on a large iceland off the (assessor says **Stop**).

Score

Going to Market

0	Four baskets were filled with fish. Now it was time to take them to	14
14	the market. Ken helped his father load the baskets onto the family’s boat.	27
27	Ken’s family lived on a large island off the coast of Africa. They used the	42
42	boat to sail to market.	47

Total words: _____

Errors (include skipped words): – _____

Words correct: = _____

Retell: Student Response

They had a boat. And they went fishing.

Retell: Score

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: _____

Oral Reading Fluency/Retell Practice Scoring Sheet: Answer Key

Passage

Four baskets were filled with fish. Now it was time to take them to the market. Ken helped his father load the baskets onto the family’s boat. Ken’s family lived on a large island off the coast of Africa. They used the boat to sail to market.

Student Response

Four buckets were fixed with big fish. Now it is time to take to the m...m...mar (3 seconds, assessor says **market**). Ken helped her father /l/ /oa/ /d/ the buckets the onto the f...f...fa...(3 seconds, assessor says **family’s**) boat. Ken’s family lived on a large iceland off the (assessor says **Stop**).

Score

Going to Market

0	Four baskets were filled with fish. Now it was time to take them to	14
14	the market. Ken helped his father load the baskets onto the family’s boat.	27
27	Ken’s family lived on a large island off the coast of Africa. They used the	42
42	boat to sail to market.	47

Total words: 36

Errors (include skipped words): – 10

Words correct: = 26

Retell: Student Response

They had a boat. And they went fishing.

Retell: Score

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48			

Retell Total: 8

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