Fluency from the First
What Works with First Graders

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Huey’s review of research (1908/1968) revealed that psychologists recognized the relationship between rapid recognition of words and meaningful comprehension of texts as early as the 1880s. When cognitive scientists revived interest in reading fluency in the 1970s (LaBerge & Samuels, 1974), special educators integrated the construct into interventions with struggling readers (Fuchs, Fuchs, Hamlett, Walz, & Germann, 1993). However, fluency was not emphasized in mainstream reading programs or assessments. It was not until the National Reading Panel’s (2000) report and the inclusion of fluency as one of the five reading domains within the Reading First/No Child Left Behind Act (U.S. Congress, 2001) that fluency was brought to the forefront.

While the Reading First mandates begin with first graders, the nature of appropriate fluency instruction and/or interventions with first graders is not clear. Whole-language theorists recommended repeated reading of texts with young children (e.g., Holdaway, 1979). However, the research evidence from this procedure has been limited and has been confounded by the type of text that whole-language theorists recommended for this
activity—predictable text. Available evidence suggests that many beginning readers may repeat the words in predictable texts but they may be overrelying on their aural memory, rather than attending to the written words (Johnston, 2000).

An examination of studies used in the meta-analysis conducted by the National Reading Panel subgroup on fluency (Hiebert & Fisher, 2005) showed that subjects in the studies were at least second graders, with third grade being the most frequent grade level. Furthermore, most participating students, with the exception of one or two studies, were struggling readers. Therefore, the prototypes for fluency interventions were developed for a target population of struggling readers beyond the first grade. The needs of children at the early stages of reading may differ, especially when these beginning readers also are learning to speak the language of instruction.

In this chapter, we review the results of a study (Hiebert & Fisher, 2004) in which groups of predominantly English language learners were involved in repeated reading. The two treatment groups differed in the kinds of texts that they read, but, regardless of text type, they read the texts repeatedly. The students in the control group were exposed to texts that have a high level of potential for accuracy (e.g., Stein, Johnson, & Gutlohn, 1999). However, these students were not asked to reread these texts systematically. We use these findings to suggest features of beginning reading instruction in which first graders become fluent from the start.

REVIEW OF RESEARCH

The study and the recommendations for first-grade programs presented in this chapter draw from several areas of research: (1) research on the development of oral reading rates, (2) characteristics of first-grade interventions and fluency, and (3) the role of repetition of words in texts.

Trajectories of Oral Reading Rate

From the end of grade 1 through the end of grade 4, a student’s reading proficiency relative to peers stays stable (Juel, 1988). Without an intervention, it is highly likely that those first graders ending the year in the 25th and 50th percentiles will be the same students in the 25th and 50th percentiles as fourth graders. Thus, even though national norms (Behavioral Research and Teaching, 2005; Good, Wallin, Simmons, Kame‘enui,
& Kaminski, 2002) are gathered on cross-sectional samples, these data do indicate the trajectories followed by students in particular quartiles.

Figure 16.1 provides end-of-year reading rates from grades 1–8 based on recently reported national norms (Behavioral Research and Teaching, 2005).

An examination of patterns of end-of-grade performances indicates that the 25th and 50th percentile groups made progress comparable to that of students in the 75th percentile group from year to year. When the 75th percentile group levels off at sixth grade, the growth of the 25th and 50th percentile groups also stops. According to a study that was part of the 1994 National Assessment of Educational Progress (NAEP; Pinnell et al., 1995), few fourth graders who read fewer than 125 words correct per minute (wcpm) attained a proficient or higher standard in silent reading comprehension on a grade-level passage. Not until eighth grade do students in the 25th percentile group attain a rate of 125 wcpm.

The performances of students over first grade deserve attention, because it is at this point that the discrepant patterns begin. Fluency rates for five percentile groups at the middle and end of first grade, drawn from the norms reported by Good and colleagues (2002), are provided in Figure 16.2. The patterns in Figure 16.2 indicate that, at the midpoint of grade 1, when fluency norms are first tracked, students in the 25th and 75th percentile already differ substantially. At the same time, the difference between students in the 25th and 50th percentiles is not substantial.

FIGURE 16.1. Typical reading rates for students at grades 1–8 (based on norms reported by Behavioral Research and Teaching, 2005).
However, from the middle to the end of grade 1, the 50th percentile group achieves growth in words correct per minute that is comparable to the 75th percentile group: 30 wcpm for a single term. During no other time period will students make growth at this speed in a single term. However, the students at the 25th percentile make almost half this increase during the last semester of first grade. While students in the 25th percentile group over the next school years will achieve growth comparable to that of students in higher percentile groups, comparatively less growth during the second half of grade one means that these students will be reading at rates that are below grade-level expectations. The question here is whether concerted interventions during the last half of first grade can decrease this gap between students at the 25th and 50th percentiles.

**First-Grade Interventions and Changes in Fluency Levels**

As was demonstrated earlier, the students in the meta-analyses of the National Reading Panel were older, struggling readers. The recommendation for repeated reading has been consistent in first grade. However, data on fluency have not been reported in the intervention reports (e.g., Pinnell, Lyons, DeFord, Bryk, & Seltzer, 1994). Furthermore, the interventions include a range of activities beyond the repeated reading task.

A study by Jenkins, Peyton, Sanders, and Vadas (2004) is an exception in the early reading intervention research, in that fluency data were gathered and all activities were similar for students except for the types of texts used for repeated reading. In the Jenkins and colleagues study, first-
grade students read a text twice at introduction and once more in a subsequent lesson. Since Jenkins and colleagues needed to use available texts, the characteristics of the texts varied even on the target dimension of decodability. During the third portion of the study, when a substantial amount of the growth in first graders’ proficiency occurs (e.g., Good et al., 2002), both sets of texts had high percentages of decodable words: 80% for the more decodable treatment and 69% for the less decodable treatment. Furthermore, the percentage of words among the 300 most frequent words was similar at this point as well: 21 and 24%, respectively, for the more and less decodable conditions.

After the 25-week individual tutorial, both groups of students read non-phonetically, controlled texts at 35 and 37 wcpm compared to 26 wcpm for control students. On phonetically controlled texts, the students in the more decodable group read at 42 wcpm, the less decodable read at 41 wcpm, and control students read at 28 wcpm. Differences between students in the repeated reading condition and in the control group were significant on both kinds of text, but not between different text conditions. The average reading rate for the two types of texts across the two treatment conditions was 38 wcpm, or the 33rd percentile in spring of grade 1 (Good et al., 2002), while the control group’s mean of 30 wcpm was at the 24th percentile. The expenditure involved in individual tutoring for 4 days of each of 25 weeks is substantial. However, the Jenkins et al. (2004) study suggests that the opportunity to read repeatedly can affect the reading rate of first graders.

Repetition of Words and Fluency

A set of critical issues that have been debated more than investigated over the past several decades have to do with the amount of repetition and the unit of linguistic information (i.e., word, phoneme, rime) that beginning readers require (Hiebert & Martin, 2002). A related issue is the rate at which beginning readers can assimilate new linguistic information and how the size of the unit influences this assimilation. The factors of repetition and pacing in beginning reading materials have been sorely neglected over the past two decades as philosophies of text have been promoted (Hiebert & Martin, 2002). For young children who are learning to speak English at the same time they are being asked to learn to read, these issues are paramount.

Much of the existing knowledge on repetition stems from the work of Gates (1930), who did several quasi-experimental studies of children’s
recognition of high-frequency words in first-grade classrooms with particular kinds of materials. He called his primary experimental texts the “60” materials, referring to the presence of one new word out of every 60 words. In at least one context, Gates compared the 60 texts with texts in which one word out of every 14 words was new. Gates concluded that “this group of bright pupils could not go ahead with this material without supplementary work” (p. 37). The supplementary work that Gates described was 20 minutes of word study and 30 minutes of reading phrases, sentences, and paragraphs on worksheets, blackboards, and so on. According to Gates, the students in this classroom, whom he described as high-ability, required additional exposure to the words. As the latter description indicates, Gates differentiated the rate of repetition according to students’ IQ. Based on his investigations, Gates reported the number of repetitions required for students of different IQ levels. Students in the average IQ range required 35 repetitions; those in the 60–69 IQ range required 55; and those with IQs from 120–129 required 20 repetitions of a word to recognize it.

Gates’s (1930) conclusions became the basis for the creation of first-grade textbooks read by several generations of American children. While providing a commendable start in the research, Gates’s work was based on a particular type of text—narratives limited to the most frequent words. As analyses of these texts would show several decades later, the text style and content that was possible with the first 300 words were sufficiently stilted and artificial to create problems in comprehension (Amsterdam, Ammon, & Simons, 1990). Subsequent research also demonstrated the manner in which word characteristics influenced word repetition. Research on word imagery, for example, showed that beginning readers learn words with high-imagery values (e.g., apple) more rapidly than words with low-imagery values (e.g., is) (Hargis, Terhaar-Yonkers, Williams, & Reed, 1988). Furthermore, when the decodability of words was manipulated along with concreteness and imagery value, high-imagery, decodable words were learned more quickly than other groups of words, including high-imagery, less decodable words.

While evidence points to the fact that word characteristics influence the number of repetitions beginning readers require to recognize a word, it is likely that many beginning readers—especially those who are learning to speak English at the same time they are learning to read it—require at least several repetitions of a word to remember it, even if the word is highly meaningful and phonetically regular. There is also evidence that researchers, policymakers, and textbook publishers have
not been concerned with the repetition of words in texts for beginning readers over the past two decades. For example, Foorman, Francis, Davidson, Harm, and Griffin (2004) reported percentages as high as 70 of single-appearing words in the units of current first-grade textbooks. A response to this finding of many single-appearing words in first-grade textbooks is that the word has been replaced by the phoneme as the unit of repetition in first-grade textbooks, according to the policies of America’s two largest textbook adoption states, California and Texas (Stein et al., 1999). The research foundation of the number of repetitions that are required to know a phoneme in any word is nonexistent (Hiebert & Martin, 2002). Furthermore, many single-appearing words are multisyllabic words that can be difficult for beginning readers to decode.

Neither the learning of individual nor of groups of phonemes has been addressed from the perspective of English language learners. By contrast, a robust literature exists on the nature and size of vocabulary for adult learners of English as a foreign language (EFL). According to Nation (1990), learners of EFL require a productive vocabulary of around 2,000 high-frequency words plus the strategies to deal with low-frequency words. Nation estimates that an additional 1,000 high-frequency words are needed by EFL learners to be successful in English university programs.

The 2,000 words identified by Nation (1990) are the 2,000 headwords from the General Service List (West, 1953). Bauman (n.d.), in revisiting the General Service List, has identified a group of related words (e.g., acts, actor, actress, action) as well as verb forms (acts, acted, acting) and plurals (e.g., actors, actresses, actions). The result of Bauman’s additions is a list of 5,500 words. Nation advocated the use of texts written to reinforce the core vocabulary (in his case, 2,000 headwords from the General Service List) with EFL students. The issue of repetition is not raised. Furthermore, adult EFL students can presumably read in their native languages.

The repetition of a core group of words characterizes the interventions in which the fluency levels of students have changed (Hiebert & Fisher, 2005). However, in reading policy, there have been two different approaches. In one, the phoneme is the unit of repetition. In the other, words—with particular characteristics of those words—are the unit of repetition. To date, there has been no comparison of naturally occurring texts with these two units of analysis. The study (Hiebert & Fisher, 2004) summarized in this chapter addresses this issue.
DESCRIPTION OF STUDY

The question addressed in the Hiebert and Fisher (2004) study was whether the fluency trajectory for students in the bottom quartile can be changed. We are not suggesting that all students can attain the rates of students in the first quartile. However, in that students at the 25th percentile performed quite comparably to their counterparts at the 50th percentile in mid-first grade, our interest was in whether these students could attain higher levels of fluency.

The study was implemented with first-grade, English language learning students during the final trimester of the school year. Students attended two schools in which the number of native Spanish speakers was in the range of 92–97%. Students from a particular class were assigned to one of three groups: (1) single-criterion (SC) text intervention, (2) multiple-criteria (MC) text intervention, or (3) control. There needed to be at least six children from a class who participated in the intervention groups, since classroom instruction was controlled by having the same project teacher work with one SC text and one MC text group, each with three students. Only when there were more children than there were slots for the intervention in a particular class were children assigned to the control group. This procedure yielded 27 students in each of the two intervention groups and 10 students in the control group.

Instruction

Students met in small groups with a project teacher for 24 half-hour sessions over an 8-week period. Project teachers were provided with lesson plans developed by the investigators for each text. Time allocations were provided for each of four activities: (1) word card activities that used two words with particular letter–sound correspondences from a text (6 minutes); (2) three readings of a new book: teacher-led read-aloud with a retelling by students of the story, paired reading, and choral reading (10 minutes); (3) writing words on individual chalkboards (5 minutes); and (4) reading an additional book or rereading books from previous lessons (9 minutes).

Texts

The texts used in the SC condition were the decodable books of the Open Court program (Adams et al., 2000). The underlying curriculum and accompanying teacher guidance for this program systematically introduces beginning readers to phonemes. The texts in the MC condition
were the little books of the NEARStar program (Pacific Resources for Education and Learning, 2003). These books were written to systematically introduce beginning readers to three types of written words: (a) words with common and consistent letter-sound patterns, (b) high-frequency words, and (c) high-imagery words (see Hiebert, Brown, Taitague, Fisher, & Adler, 2003, for further description).

Both the SC and MC programs provide 40 eight-page books in their beginning reading level. Characteristics of the texts in both the SC and MC programs are summarized in Table 16.1, and illustrations from each of the programs are given in Table 16.2. The data in Table 16.1 indicate that both programs emphasize short vowels at the early level used in this intervention. The texts at the beginning of each 40-book program had approximately the same number of words, although the number of words per text increased more rapidly in the SC program than in the MC program. Total number of words was kept equivalent by using 30 SC texts (1,689 words) and 35 MC texts (1,667 words). The 40th text of each program was withheld for use in assessment.

The programs were different in number and kinds of unique words. The SC program had 296 unique words, 70% with short-vowel patterns and an additional 10% among the 100 most frequent words. Of the 145 unique words in the MC program, 58% had short-vowel patterns and an additional 23% were among the 100 most frequent words.

### Assessments

Assessments were individually given to students before and after the intervention. The assessments consisted of two groups of words presented individually at 3-second intervals on a computer: (1) short-vowel words

<table>
<thead>
<tr>
<th>Study: Open Court</th>
<th>Total/unique words (#)</th>
<th>300 most frequent words (%)</th>
<th>Short- and long-vowel patterns (%)</th>
<th>r-controlled and diphthong vowel patterns (%)</th>
<th>Multisyllabic (%)</th>
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<tr>
<td>Study: NEARStar</td>
<td>1,689/296</td>
<td>26</td>
<td>58</td>
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<td>51</td>
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<td>50</td>
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<td>7</td>
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<tr>
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<td>1,218/461</td>
<td>27.5</td>
<td>26</td>
<td>9</td>
<td>37</td>
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</table>

**TABLE 16.1. Features of Four Examples of First-Grade Texts**
Results

The three groups did not differ on any of the pretest measures. On the posttest, the main group effect was not significant for the 3-second recognition of phonetically regular words but it was for all three measures of words correct per minute (the preprimer text of the TPRI and the 40th texts from both the SC and MC programs). Post hoc analyses showed that the difference on the preprimer text of the TPRI was between the two intervention groups and the control group, as evident in the gain scores: 23 for the SC group, 27 for the MC group, and 10 for the control group.
Similarly, for the 40th SC book, the control group’s gain of three words was significantly less than the SC’s gain of nine words and the MC’s gain of 11 words. On the 40th text of the MC program, post hoc analyses showed that the MC group performed significantly better (gain of 23 wcpm) than the SC group (gain of 13 wcpm), and that both intervention groups had significantly higher performances than that of the control group, whose gain was 2 wcpm.

**IMPLICATIONS AND DIRECTIONS**

Before describing the implications of the findings for first-grade fluency, it is important to identify what was not addressed in this intervention. First, the intervention did not engender a spirit of “reading faster” among these first-grade readers. While students were timed during the assessments, teachers neither timed students during lessons nor did children chart their times, as is often the case in fluency interventions with older, struggling readers. The intervention was aimed at increasing the amount that first graders read.

Second, the intervention was not extensive. The 12-hour intervention is the same amount of time that California is mandating for recipients of Reading First grants during a single week of school. Even within a 12-hour period, students in the two interventions made gains beyond those of students who received classroom instruction. The students in the SC group made a gain of 2.9 wcpm on the TPRI for every week of instruction, close to the three words per week that Fuchs and colleagues (1993) have proposed as an ambitious goal for closing the achievement gap. With a gain of 3.4 wcpm, students in the MC group exceeded this ambitious goal. Students in the control group made progress but were moving at a rate that left them far from the goal of 50 wcpm that has been identified as necessary by end of grade 1 if students are to attain adequate reading levels in subsequent grades (Fuchs et al., 1993; Good et al., 2002).

What the two interventions did address was having students repeatedly read accessible text. We use three words from the previous sentence to describe what we believe to be critical if the students in the bottom quartile are to have a different reading trajectory: *accessible*, text, and repeatedly.

“**Accessible**”

According to the potential for accuracy criterion, in which the instruction of phonemes is used as the criterion for text difficulty (Stein et al.,
1999), the decodable texts that were part of classroom lessons during the last quarter of grade 1 should have been accessible. The potential for accuracy perspective holds that if all of the graphophonics relationships have been presented in lessons in the teacher’s manual, students should be able to read the words in a text. However, the assumption that all children learn the patterns after a handful of lessons has little empirical foundation. The data on reading rates at mid-grade-1 that are presented in Figure 16.2 indicate that on a passage such as *Spring is Coming* (a typical DIBELS [Dynamic Indicators of Basic Early Literacy Skills] 1.2 benchmark passage that is excerpted in Table 16.2), half of the national first-grade cohort takes from 1 to 4 minutes to read the five sentences or phrases on the DIBELS Benchmark Grade 1.2 assessment. On indices of high-frequency words and monosyllabic simple-vowel-pattern words, the DIBELS text is considerably easier than the grade-level decodable that students in the study were reading in their classrooms. By the fourth quarter of grade 1, the content of the decodables emphasizes four affixes: *-ful, -y, re-, and un-.*

“Text”

In one of the few investigations of the ratio between word study exercises and text reading, Gates (1930) concluded that students did better in a classroom where they saw words in texts of a variety of types (poems, informational, narrative) than in worksheets and other exercises. Gates’s conclusions need to be understood in the context of the words that he emphasized—high-frequency words rather than phonetically regular words. However, the issue that Gates raised—the ratio between word study and text reading at different points in reading development—has received little subsequent attention. In designing the instructional routine for the study, particular choices needed to be made about both the kinds of word study and the ratio of word study to text reading.

Several different kinds of word study were provided in the instructional routine: talking about the words, discriminating critical features of the word patterns auditorily, and spelling words. The contribution of certain kinds of word study activities to student achievement cannot be isolated in the Hiebert and Fisher (2004) study. Nor can conclusions be made as to the appropriate ratio of word study to text reading. Both activities are likely critical. But available evidence does show that students require opportunities to apply the information taught and practiced in word study exercises in the texts that they read. All the word study instruction in this study was directly connected to the words students read in their texts.
While having little guidance as to the amount of text reading beginning readers require, a goal in designing the instructional routine was to increase substantially the amount that students read as part of the lesson. Data from previous decades indicate that the amount that students read in classrooms is critically related to their reading achievement (Fisher & Berliner, 1985). From the best available data (Allington, 1984), the amount that low-performing first graders typically read during classroom instruction is approximately 27 words per half-hour. In both treatments in the study summarized in this chapter, students read approximately 6,500 words over a 12-hour period, or approximately 270 words per half-hour. The intervention increased 10-fold the amount that students were reading in their first-grade classrooms.

For English language learners, we predict that the reading of text is particularly important. We base this prediction on the results of a recent study of native-Spanish-speaking first graders learning to read in English. Vaughn and colleagues (in press) reported a sharp difference between children’s performances on measures of word recognition and fluent reading. On average, students who participated in a reading intervention had posttest scores that placed them at approximately the 55th percentile on the word recognition test and 11th percentile on the fluency measure. Although not as great as the difference between word recognition and fluency within the intervention students, the discrepancy between posttest performances on word recognition and fluency was also substantial for control group students: approximately the 32nd percentile on word recognition and 7th percentile on fluency.

Many programs are directed at increasing the amount that students read at home—and this goal is a worthy one. The amount that students read at home varies substantially, according to percentile levels (Anderson, Wilson, & Fielding, 1988) and the differences accumulate, making an ever-increasing achievement gap (Cunningham & Stanovich, 1997). However, if students are not reading voraciously in their classrooms, it is hard to expect that they would read voraciously at home, especially when language and cultural patterns differ in the two contexts. If English language learners are to read voraciously at home, they also need to read voraciously at school. Voracious reading presumably begins with students having frequent opportunity to read in their classrooms.

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1Allington (1984) calculated that low-achieving students read 400 words over a week of 90-minute reading periods (450 minutes of instruction = 7.5 instructional hours): 400 words/7.5 hours = 53 words per hour.
Repeated reading of texts can be seen to be critical for English language learners in that it supports them in becoming fluent with particular texts. It also increases the amount of exposure that students have to words. At the current time, the state-adopted textbook program used in the schools where the intervention was conducted provides approximately 10,000 words in the decodable and anthology components of first grade. Across 180 instructional days, students are provided approximately 56 words per day, or 280 words per week (even less than the low-achieving students in Allington's study in 1984). While the amount of reading that is required to achieve particular levels of fluency has yet to be substantiated, providing students who learn to read in school approximately 56 words a day is likely insufficient to become literate. However, when these texts are read three or four times, first graders will be reading approximately 1,000 words a week rather than 280. Students who do not have frequent occasions for text reading outside of school appear to benefit from even a short period of scaffolded reading, as occurred in the study summarized in this chapter. At the present time, we do not know how much guided and repeated reading is needed to develop fluency. However, it is clear that if fluent reading is to be developed among English language learners, the amount of exposure to text that students have in classrooms needs to increase.

ACKNOWLEDGMENTS

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# Multidimensional Fluency Scale

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<tr>
<th>Expression and Volume</th>
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<th>2</th>
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<tr>
<td>Reads in a quiet voice as if to get words out. The reading does not sound natural like talking to a friend.</td>
<td>Reads in a quiet voice. The reading sounds natural in part of the text, but the reader does not always sound like they are talking to a friend.</td>
<td>Reads with volume and expression. However, sometimes the reader slips into expressionless reading and does not sound like they are talking to a friend.</td>
<td>Reads with varied volume and expression. The reader sounds like they are talking to a friend with their voice matching the interpretation of the passage.</td>
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<tr>
<td>Reads word-by-word in a monotone voice.</td>
<td>Reads in two- or three-word phrases, not adhering to punctuation, stress and intonation.</td>
<td>Reads with a mixture of run-ons, mid sentence pauses for breath, and some choppiness. There is reasonable stress and intonation.</td>
<td>Reads with good phrasing, adhering to punctuation, stress, and intonation.</td>
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<td>Frequently hesitates while reading, sounds out words, and repeats words or phrases. The reader makes multiple attempts to read the same passage.</td>
<td>Reads with extended pauses or hesitations. The reader has many “rough spots.”</td>
<td>Reads with occasional breaks in rhythm. The reader has difficulty with specific words and/or sentence structures.</td>
<td>Reads smoothly with some breaks, but self-corrects with difficult words and/or sentence structures.</td>
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<th>Pace</th>
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<td>Reads slowly and laboriously.</td>
<td>Reads moderately slowly.</td>
<td>Reads fast and slow throughout reading.</td>
<td>Reads at a conversational pace throughout the reading.</td>
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Scores of 10 or more indicate that the student is making good progress in fluency.  
Scores below 10 indicate that the student needs additional instruction in fluency.
Implications from theory and research. First language (L1) acquisition. Implications for whole language approach are plentiful in the research literature. Educators can learn much about how lasting learning occurs from the research on L1 acquisition, not only because it is a language, but because L1 is something which everyone learns by the age of four or five, though it is extraordinarily complex. Borrowing the terms of Mayher et al., that the ideal sequence in the development of writing would stress fluency first, then clarity, and finally correctness, we made these the respective goals for our three ESL writing/reading courses: ESL 10, 20, and 30. ESL 10. First read the non-fluent passage from left to right, top to bottom. Then read the fluent passage. Word identification is the ability to accurately and automatically identify sight words and apply decoding strategies to read unfamiliar words. Word identification does not necessarily consider the meaning of designated words. This difficulty affects Kevin’s™ fluency and comprehension. During the first grading period, the Title I* tutor, Kevin’s™ teacher, and his parents had a meeting in which they discussed trying new strategies to assist him in reaching his goal, which is: â€œ Given multi-syllable words, Kevin will decode them accurately and with ease. Possible Strategies. Oral reading fluency is sometimes distinguished from oral fluency. Oral reading fluency refers to the ability to read words accurately and quickly while using good vocal expression and phrasing. Oral reading fluency is often linked to Schreiber™s Theory of Prosody, which places importance on the tone, rhythm, and expressiveness of speech. Written or compositional fluency can be measured in a variety of ways. Paradis (2006) study on childhood language acquisition and building fluency examines how first and second language acquisition patterns are generally similar including vocabulary and morphosyntax. Phonology of first language is usually apparent in SLA and initial L1 influence can be lifelong, even for child L2 learners. Fluency from the first: What works with first graders. In T. Rasinski, C.L.Z. Blachowicz, & K. Lems (Eds.), Teaching Reading Fluency: Meeting the Needs of All Readers. (pp. 279-294). New York: Guilford Press. Abstract. In this chapter, we review the results of a study (Hiebert & Fisher, 2004) where groups of predominantly English Language Learners were involved in repeated reading. The two treatment groups differed in the kinds of texts that they read but, regardless of text type, they read the texts repeatedly. The students in the control group were exposed to texts that have a high level of
The Agile Fluency Model (AFM) was first introduced in 2011–2012, by Jim Shore and Diana Larsen. Shore and Larsen recognized a problem back then which still persists today: there are far too many organizations where Agile transformations fail or at the very least do not provide the benefits that were expected when they started on their Agile journey. It is important to point out that each of the four areas has benefits, and also that greater investment is needed to get from the top to the bottom of the diagram. One of the reasons why greater investment is needed is that the top two areas focus on changes at the team level, while the bottom two areas focus on changes at the organizational level. Here is a link to the slides from the plenary. Top tip: go through it as a slideshow using the present option.

Why TBL / TBLT? The sample tasks all use Jamboard, BORs and have the scope to use chat and Docs. We chose them in order from simplest to most complex (in terms of set up): (here’s the link to Jamboard used in the plenary). Language feedback / upgrades during Domestic Robot. While fluency may denote a degree of proficiency, it does not automatically imply accuracy—the ability to produce grammatically correct sentences nor does it imply grammatical range. How important are accuracy and grammatical range? Those first crucial years of learning a language, you may be thinking in glorious brush strokes but speaking in scribbles. Measures of linguistic proficiency typically consider both the accuracy and the range of the language that you can use (Credit: Alamy). According to research from the University of Cambridge English Language Assessment, it takes 200 guided hours for a motivated learner to advance from one level to the next. Key word, motivated: language acquisition varies dramatically between individuals. Is the learner open to new structures? What should fluency instruction look like? And, what can teachers do to help students whose fluency is far behind their peers? This article should help practitioners use of fluency-based assessments and select instructional practices. One technique for assigning partners is for teachers to first rank the students from the strongest reader in the class to the weakest (making judgments subjectively or from assessment data) and then consider whether there are students whose reading ability is so low that partner reading may be inappropriate. At times, the stronger reader may be directed to read first, providing a model of fluent reading. Then the less fluent reader reads the same text aloud.