

## Benchmark Assessment System

2nd Edition

### EXECUTIVE SUMMARY

The *Fountas & Pinnell Benchmark Assessment System* is a formative reading assessment comprised of 58 high-quality, original titles, or “little books” divided evenly between fiction and nonfiction. The assessment measures decoding, fluency, vocabulary, and comprehension skills for students in kindergarten through 8th grade. The set of books, recording forms, and other materials serve as an assessment tool for teachers, literacy specialists, and clinicians to use in determining students’ developmental reading levels for the purpose of informing instruction and documenting reading progress.

The *Fountas & Pinnell Benchmark Assessment System* spans grades kindergarten through 8th grade and are aligned with the A-Z book levels of the *Fountas & Pinnell Text Level Gradient*, as illustrated in Figure 1. *Benchmark System 1* represents levels A-N on the Fountas & Pinnell Text Gradient and encompasses grades kindergarten through grade 2. *Benchmark System 2* represents levels L-Z and encompasses grades 3 through 8.

The *Benchmark Assessment System* books are both “vertically aligned” (they become more difficult as a reader progresses through the levels) and “horizontally aligned” (at each level the fiction and nonfiction books are written at similar levels of difficulty).

#### FIELD TESTING

Development of the texts for the *Fountas & Pinnell Benchmark Assessment System* was closely supervised by Drs. Irene Fountas and Gay Su Pinnell, creators of the *A-Z Text Level Gradient*. A formative evaluation of the *Fountas & Pinnell Benchmark Assessment System* was conducted to ensure that (1) the leveling of the texts is reliable and (2) the reading scores are valid and accurately identify each student’s reading level.

Field testing was conducted with 498 students enrolled in a socioeconomically and ethnically diverse group of 22 schools from five geographic regions across the U.S. Determinations of each school’s socioeconomic status were made using federal guidelines for categorizing low-, middle-, and high-SES schools.

*The participating students were from diverse ethnic backgrounds and income groups. Figures 2 and 3 show the student demographics from the field site schools from each state.*

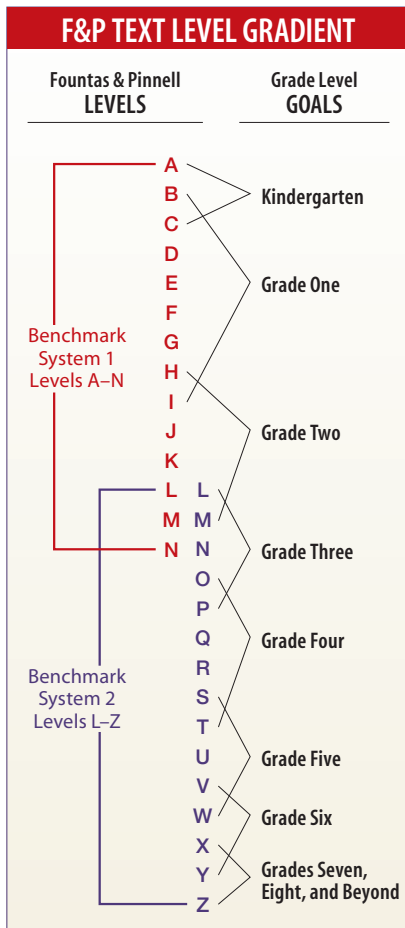


figure 1

SCHOOL FIELD SITES						
	California	Florida	Massachusetts	Ohio	Rhode Island	Texas
Number of school sites (elementary and middle school)	6	3	1	5	2	5
Average percentage of students receiving free or reduced-price lunch or economically disadvantaged	64.2%	45.3%	71.0%	28.4%	51.5%	46.4%

figure 2

STUDENT DEMOGRAPHICS							
	California	Florida	Massachusetts	Ohio	Rhode Island	Texas	Overall
African American	7.3%	22.3%	41%	1.8%	18.5%	34%	<b>20.8%</b>
Asian American & Pacific Islander	5.5%	5.3%	24%	0%	3%	17%	<b>9.1%</b>
Hispanic/Latino	74.0%	23.0%	6%	0%	24%	30%	<b>26.2%</b>
White	11.7%	45.7%	29%	92.6%	54%	19%	<b>42%</b>
Multiracial/Other	1.5%	3.7%	1%	5.6%	0.5%	0%	<b>2.1%</b>

figure 3

## Field Study of Reliability and Validity Benchmark Assessment Systems 1 and 2

### EDITORIAL PROGRAM DEVELOPMENT

Drawing upon students' reading data during the field testing, program developers made changes in the leveled texts to meet the appropriate gradient of difficulty. These changes spanned several dimensions including simplifying the specialized vocabulary words in some nonfiction texts or recasting sentences within a particular text to make them either more or less complex. At one point, it was deemed necessary to replace entirely two texts with more appropriate books. A key change was the establishment of new parameters linking accuracy and comprehension with the independent, instructional, and hard reading levels. This innovative feature provides educators with a more finely grained reflection of a student's decoding coupled with his or her reading understanding.

### RESULTS OF THE TEXTS' SEQUENTIAL ORDERING

Results from the field testing indicated that the fiction and nonfiction books in the *Fountas & Pinnell Benchmark Assessment System* progressed in difficulty as the levels increased from Levels A-Z, as depicted in Figure 4 and Figure 5 respectively. By grade level, 84% of the students read the fiction books in a sequential order from lower to higher levels of difficulty within one level above or below the targeted reading level, while 85% of the students read the nonfiction books in that order.

### RESULTS OF HORIZONTAL CORRESPONDENCE BETWEEN FICTION AND NONFICTION TEXTS

The field testing also confirmed that students' developmental reading levels are similar for fiction and nonfiction texts at each level on the *Fountas & Pinnell A-Z Text Level Gradient*. As the chart (in Figure 6) shows, 76% of the students read the fiction and nonfiction books at similar reading levels within one level of text difficulty.

### TEST-RETEST RELIABILITY

Test-retest reliability refers to the consistency of students' scores across tests. To measure the test-retest reliability of *Fountas & Pinnell Benchmark Assessment System*, the students' reading scores on the fiction series were correlated with their scores on the nonfiction series. In general, test-retest results should exhibit a reliability coefficient of at least .85 for an assessment's information to be considered stable, consistent, and dependable. As the test-retest results depicted below (in Figure 7) demonstrate, the *Fountas & Pinnell Benchmark Assessment System* is a reliable reading assessment.

#### TEST-RETEST RELIABILITY BETWEEN FICTION AND NONFICTION BOOKS

Book Series A-N	.93
Book Series L-Z	.94
All Books (A-Z)	.97

figure 7

### CONVERGENT VALIDITY

The validity of a test is the degree to which an assessment measures what it purports to measure. Convergent validity examines the relationship between an assessment's scores and scores from other instruments.

There was a strong relationship between the reading accuracy rates of *Fountas & Pinnell Benchmark System 1* fiction and nonfiction books (Book Levels A-N), and the accuracy rates of the texts used for assessments in Reading Recovery®, with correlations of .94 for fiction and .93 for nonfiction. This is an important finding because the Reading Recovery® Text Level Assessment, like the *Fountas & Pinnell Benchmark Assessment System*, assesses decoding, fluency, vocabulary, and comprehension. In addition, Reading Recovery® was recently recognized by the U.S. Department of Education as an effective and scientifically based reading program (See: What Works Clearinghouse, 2007). These results reinforce the validity of the *Fountas & Pinnell Benchmark Assessment System 1* program. There was a moderate association between the *Benchmark System 2* (Book Levels L-Z) fiction and nonfiction books and other literacy assessments. One study indicated the *Benchmark System* fiction texts (correlation of .69) and nonfiction texts (correlation of .62) were moderately related with the Slosson Word Test. These results indicate that the *Benchmark System 2* texts are moderately indicative of the Slosson measure of word reading. When comparing grade levels, students generally scored higher on the Slosson than they did with *Benchmark Assessment System* texts for grades 2-6. However, this pattern was not sustained in grades 7 and 8. The Slosson Word Test measures students' isolated oral word calling and provides approximate placement of a child's reading level. It needs to be emphasized that the *Fountas & Pinnell Benchmark System* is based on students' comprehensive reading of complete books.

### CONCLUSION

After two and a half years of editorial development, field testing, and independent data analysis, the *Fountas & Pinnell Benchmark Assessment System* texts were demonstrated to be both reliable and valid measures for assessing students' reading levels.

*The final report was compiled by an outside team of three independent researchers who analyzed the data gathered from the formative evaluation of the Fountas & Pinnell Benchmark Assessment Systems 1 & 2. Two research team members were former school literacy coaches and Reading Recovery educators. All data analysts had backgrounds in literacy research studies using quantitative and qualitative methods and analysis. The final report incorporated the initial formative evaluation design, methods, and collected data.*

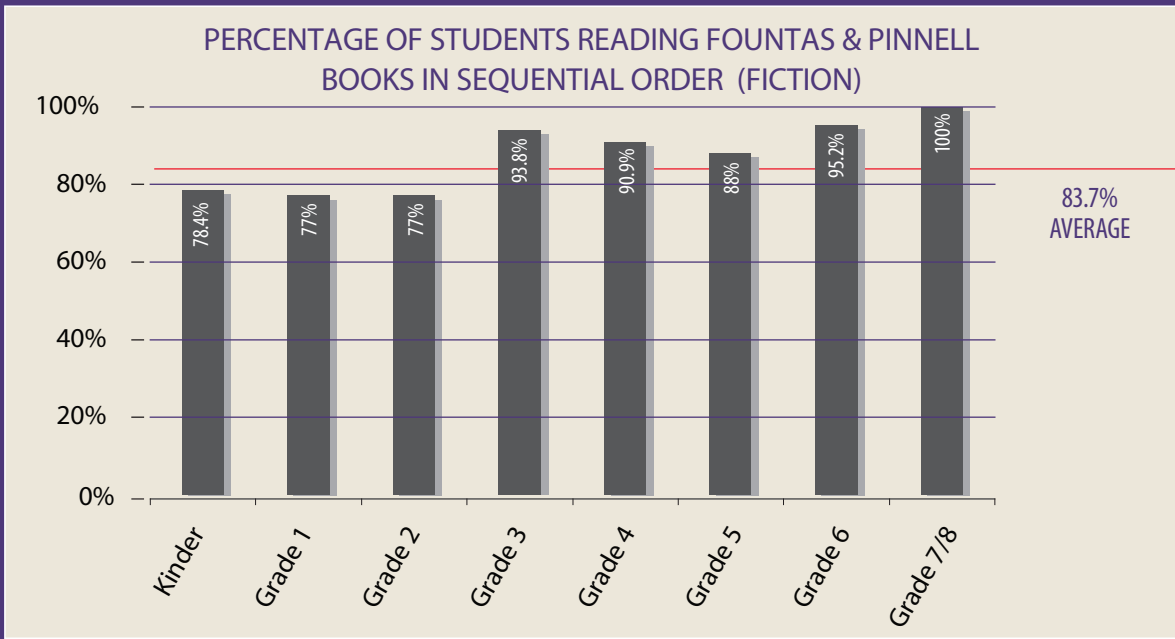


figure 4

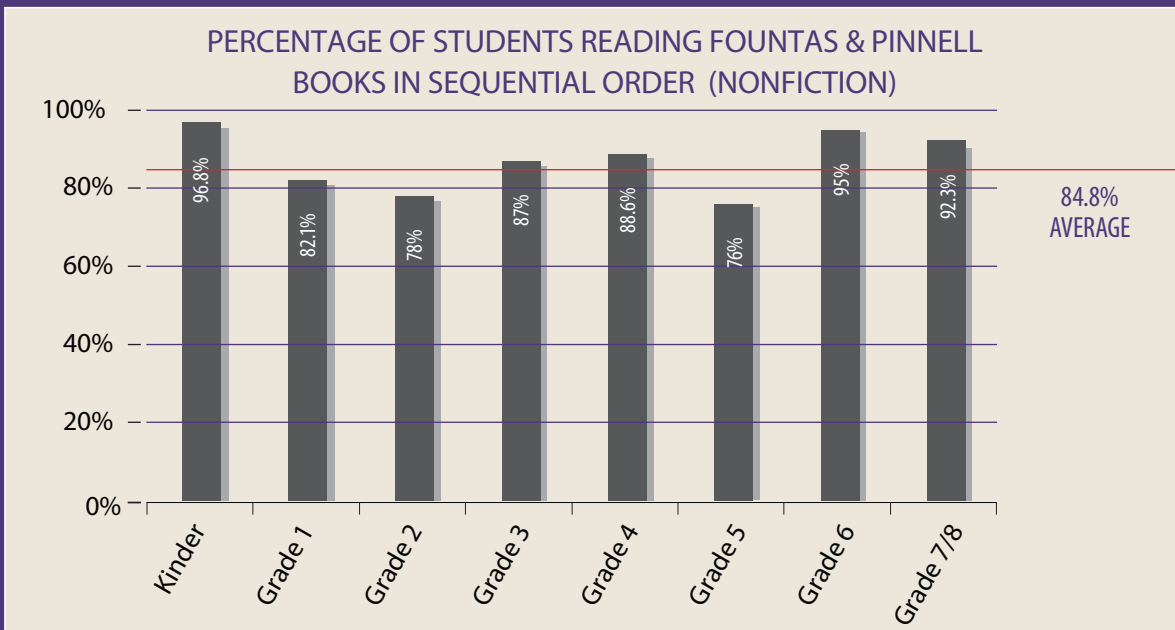


figure 5

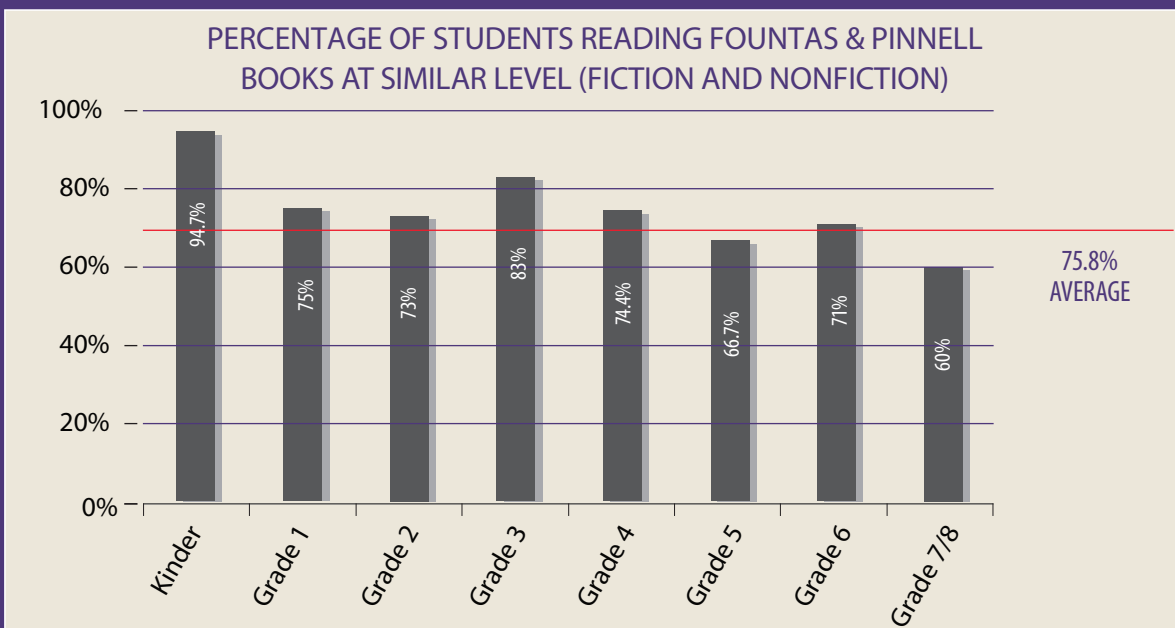


figure 6

Fountas & Pinnell

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For more information and to review the *Fountas & Pinnell Benchmark Assessment System*, visit: [www.fountasandpinnell.com](http://www.fountasandpinnell.com)



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