



LINDAMOOD-BELL LEARNING PROCESSES

R E S E A R C H

Sharpsville Area School District



Seeing Stars for Phonemic Awareness, Reading, and Spelling (SI)

PROFILE:

Number of Students: 44* Average Age: 9.5

Average Hours of Instruction: 55.6

Lindamood-Bell Programs Implemented: Seeing Stars®

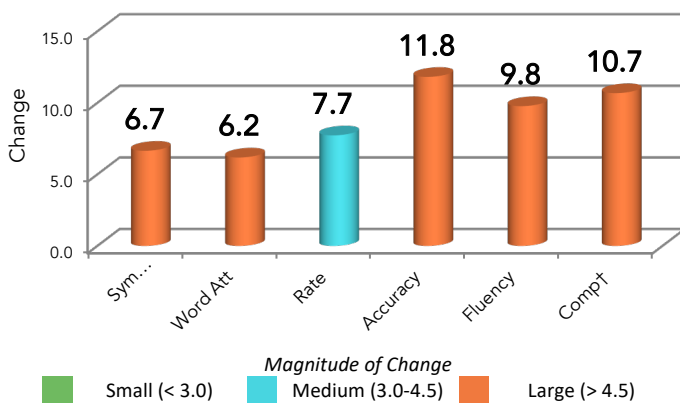
Outcome Measures:

- Symbol Imagery Test
- Woodcock Reading Mastery Test-3rd (word attack)
- Wide Range Achievement Test-4th (reading and spelling)
- Gray Oral Reading Tests-4th (rate, accuracy, fluency, and comprehension)

BACKGROUND:

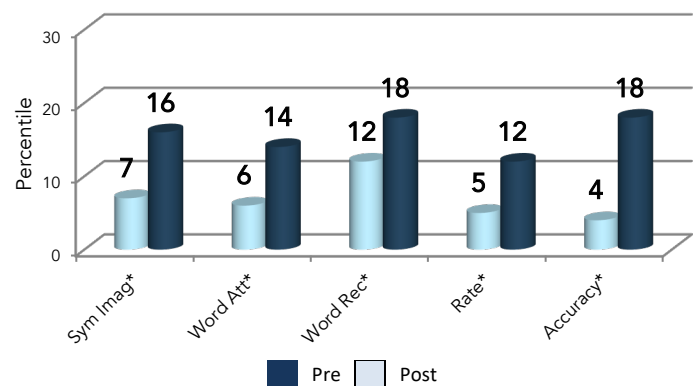
The Sharpsville Area School District in Sharpsville, PA, serves a large percentage of students who are at-risk of reading failure. During the 2018-19 school year, the Sharpsville Area School District implemented Lindamood-Bell® instruction to address the specific needs of this student population. 44 students received an average of 55.6 hours of Seeing Stars instruction to develop symbol imagery for reading. Instruction was delivered by Sharpsville teachers who received professional development in the programs developed by Lindamood-Bell's founders. Student gains were measured with a battery of reading assessments.

Average Standard Score Changes



*Symbol Imagery, Word Recognition, and Oral Directions are out of 43 students.

Pre- and Retest Percentiles



*Statistically significant ($p \leq .05$).

RESULTS:

On average, Seeing Stars students achieved significant improvements in reading. They made large standard score changes on nearly all measures. Additionally, the 14-point percentile increase in Accuracy moved these students closer to the normal range (25th-75th percentile). Their pre- to posttest results were statistically significant on all measures. The results of this study illustrate that Lindamood-Bell instruction in the Seeing Stars program leads to improved reading, which is essential to achieving success with school curricula.