



# LINDAMOOD-BELL LEARNING PROCESSES RESEARCH

## Kentwood Public Schools



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

### PROFILE: Kentwood Public Schools

Number of Students: 223 Average Age: 9.1

Average Hours of Instruction: 83.8

Lindamood-Bell Programs Implemented: Seeing Stars®

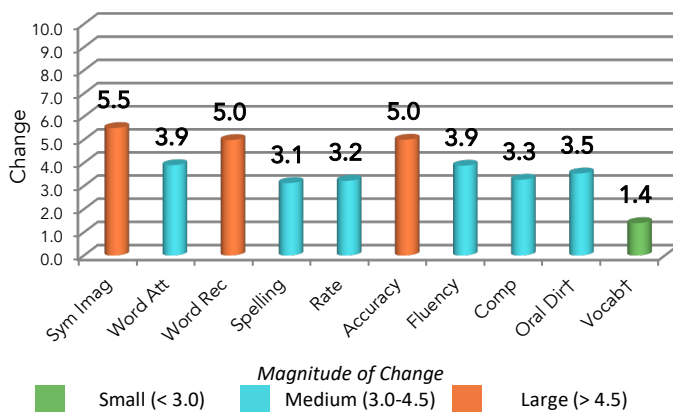
#### Outcome Measures:

- Symbol Imagery Test
- Lindamood Phoneme Sequencing Test-3rd
- 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)

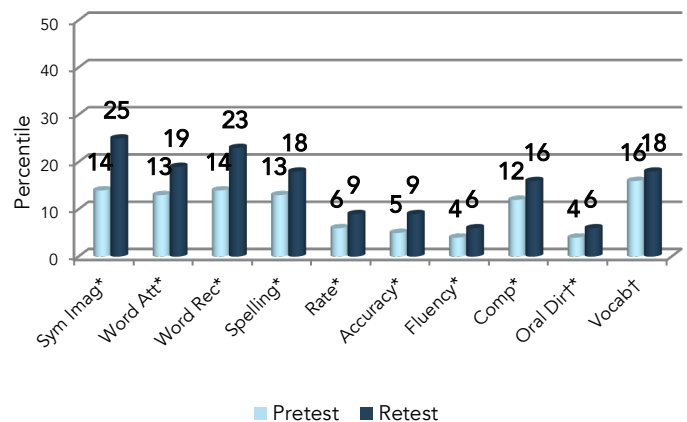
### BACKGROUND:

Kentwood Public Schools in Kentwood, MI, serves a large percentage of students who are at-risk of reading failure. During the 2018-19 school year, Kentwood Public Schools implemented Lindamood-Bell® instruction to address the specific needs of this student population. 223 students received an average of 83.8 hours of primarily Seeing Stars instruction to develop symbol imagery for reading. Instruction was delivered by Kentwood Public Schools' teachers who received professional development in the programs created by Lindamood-Bell's founders. Student gains were measured with a battery of reading assessments.

*Average Standard Score Changes*



*Pre- and Retest Percentiles*



### RESULTS:

On average, Seeing Stars students achieved significant improvements in reading. They made large standard score changes on several measures, including a 5.0-point change in Accuracy and a 3.9-point change in Fluency. Additionally, the 11-point percentile increase in Symbol Imagery placed these students within the normal range (25th-75th percentile). Their pre- to posttest results were statistically significant on nearly 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.