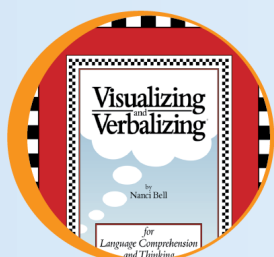




### Fort Smith Public Schools



Visualizing and Verbalizing for  
Language Comprehension  
and Thinking (V/V)

#### PROFILE: Secondary Schools – General Education

Number of Students: 29 Average Age: 14.6

Average Hours of Instruction: 66.7

Lindamood-Bell Programs Implemented: Visualizing and Verbalizing®

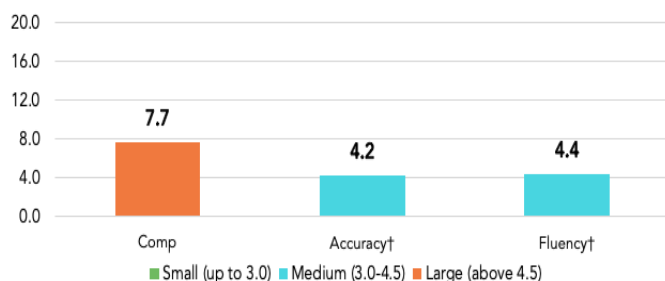
Outcome Measures:

- Gray Oral Reading Test-4th (comprehension, accuracy, fluency)

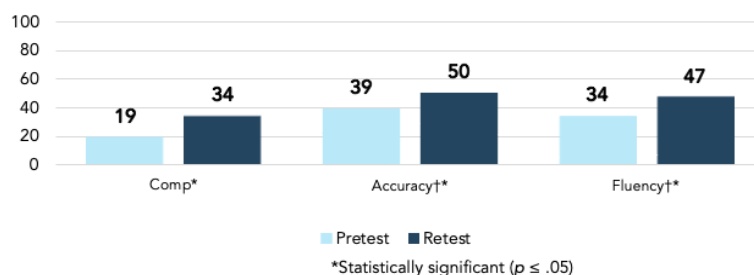
#### BACKGROUND:

Fort Smith Public Schools in Fort Smith, Arkansas serves a large percentage of students who are at-risk of reading failure. During the 2020-21 school year, Fort Smith junior high schools implemented Lindamood-Bell® instruction to address the specific needs of this student population. Twenty-nine students received an average of 66.7 hours of Visualizing and Verbalizing instruction to develop concept imagery for comprehension. Instruction was delivered by Fort Smith teachers who received professional development in the programs developed by Lindamood-Bell's founders. Student gains were measured with the Gray Oral Reading Test-4<sup>th</sup> Edition.

Average Standard Score Changes



Pre- and Retest Percentiles



#### RESULTS:

On average, Visualizing and Verbalizing students achieved significant improvements in comprehension. They made large or medium standard score changes on all measures. Additionally, the 15-point percentile increase in comprehension put these students within 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 Visualizing and Verbalizing program leads to improved comprehension, which is essential to achieving success with school curricula.