

Data-Based Case Study: The Effectiveness of a Cognitive Science-Based Reading Program Targeted at Improving Neural Pathways

Timeline: 2012

Client: John Burgess Education

The Challenge. Do students that use the Reading Performance System's exercises for the practice and development of foundational reading skills that strengthen neural pathways show significant gains in reading skills?

The Solution. During the 2010-2011 school year, John Burgess Education Technology conducted a year-long study of ethnically diverse students in Marion County, Florida, using the Reading Performance System (RPS) to evaluate the effectiveness of the RPS in improving student reading skills. SEG analyzed the improvement in reading skills attained by students using the Reading Performance System between the beginning and end of the 2010-2011 school year, as measured by two widely used measures of reading skills. The findings of the study demonstrate that students using the John Burgess Education Technology Reading Performance System Instructional Program show significant improvement in reading. The positive findings of this study need to be confirmed with larger samples of students and with more robust research designs employing a treatment-control group design.