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PRES Associates research shows that Prentice Hall Algebra 1 helps students achieve significant gains in mathematics test scores

Results of our independent research show that Prentice Hall Algebra 1 helps students to succeed in mathematics. PRES Associates, Inc., is a national educational evaluation firm headquartered in Jackson, WY. The randomized control trial showed that student performance increased significantly from pre- to post-tests as measured by three different standardized assessments. Significant improvements were also observed in several key diagnostic areas. The study is part of a multi-year research effort commissioned by the publisher and is one of many slated to evaluate the effectiveness of Prentice Hall's educational materials across disciplines and grade levels. Participants represented a mix of urban and suburban districts with diverse socio-economic and ethnic backgrounds.

Key findings—

- Student performance significantly improved from the beginning to the end of the school year as measured by a battery of three different standardized assessment measures, chosen because they are aligned to national NCTM standards and have proven reliability and validity.
- Assessment results suggest that the Prentice Hall Algebra 1 program may be particularly effective with providing necessary enrichment to high-performing students as evidenced by the significant gains in student performance demonstrated by high-performing students.
- Subgroup analyses suggests that the Prentice Hall Algebra 1 program works equally well with students of Limited English Proficiency (LEP), special education students, and females as compared to non-LEP students, non-special education students, and males, respectively.
- 53% of students performing at below average at the beginning of the year improved to average or advanced by the end of the year.
- 43% of students performing at average at the beginning of the year improved to advanced by the end of the year.
- Students using Prentice Hall Algebra 1 were more satisfied with their textbook, ancillary resources, and technology support and had higher mathematics aspirations than those using other programs.
- One hundred percent of teachers participating in the study reported that use of Prentice Hall Algebra 1 was attributed to an increase in students' skills and knowledge, preparation for state testing, and a decrease in teacher planning time.

The study was designed to fully meet the evidence criteria put forth by the What Works Clearinghouse, the Federal agency established in 2002 to provide the educational community and the public with a trusted source of scientific evidence of what works in education. This study was designed so that accurate and appropriate inferences could be made regarding the effectiveness of the Prentice Hall Algebra 1 program.

Respectfully submitted,

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President and Director of Research & Evaluation