



# Exact Path Proven Early Predictor of OST Performance

Research study results indicate high correlations between the Exact Path diagnostic assessment and the Ohio State Test (OST).

A 2023 study provides evidence that Exact Path diagnostic assessments measure similar knowledge and skills compared to the Ohio State Test (OST). These results support the use of Exact Path as a strong predictor of student performance on the OST.

This research study examined the relationship between scores on Exact Path diagnostic assessments across testing windows (fall, winter, and spring) and scores on the spring 2022 OST. Strong correlations were found between Exact Path diagnostic scores and OST scores across all grades 3-8, subjects, and seasons. High correlations were also found between Exact Path diagnostic spring scores in Grade 2 and OST Grade 3 scores, and for middle school students that took the Exact Path mathematics diagnostic assessment and Ohio's Algebra I and Geometry end-of-course (EOC) tests.

With this evidence, educators can confidently use Exact Path diagnostic results to help ensure that students are on track to meet academic standards and prepare students for the OST, including Algebra I and Geometry EOCs.



## About this District

### Study sample:

- 1000+ students in language arts
- 2,800+ students in both math and reading
- Grades 2-8

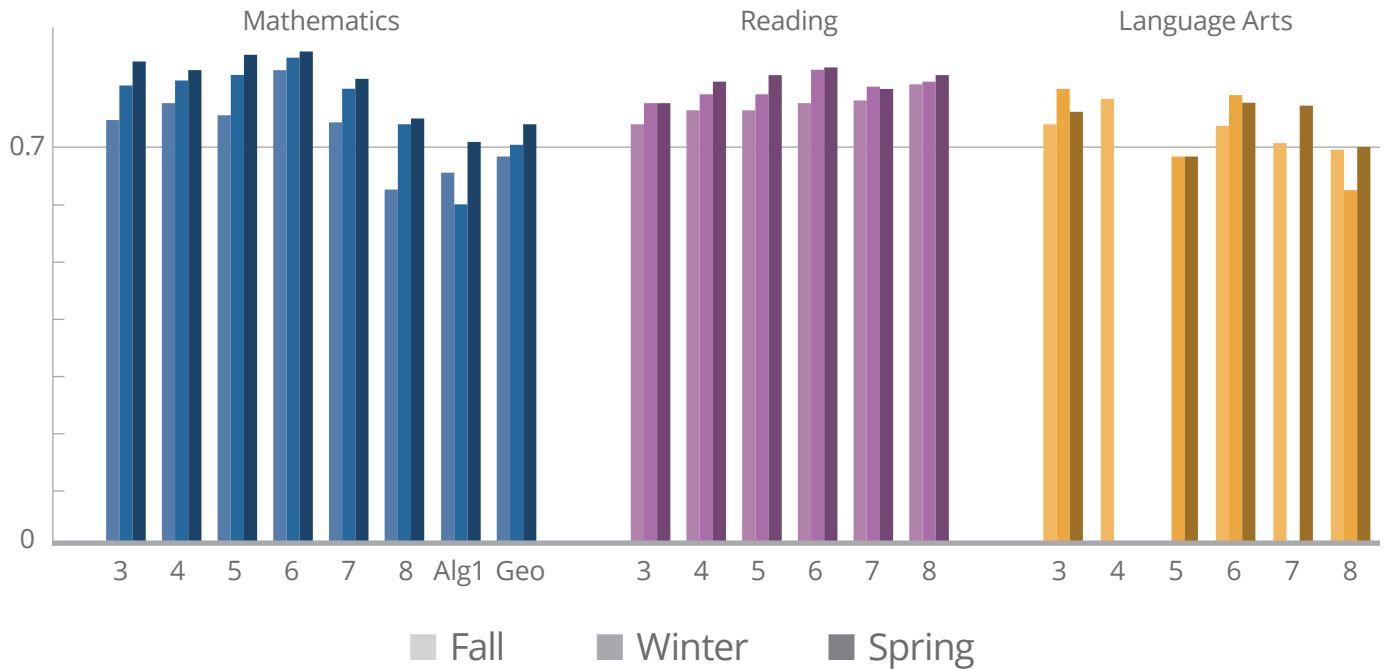
### Edmentum Measure:

- Exact Path diagnostics: math, reading, and language arts
- Fall, winter, and spring administrations

### Outcome measure:

- Ohio State Test (OST)

## Correlation Coefficients Between Spring 2022 OST Scores and 2021-22 Exact Path Diagnostic Scores\*



\*n=2800+ for both math and reading  
n=1000+ for language arts

### Exact Path Scores Predict Ohio State Test (OST) Success

Correlation coefficients of 0.50 and above represent a strong relationship (Cohen, Cohen, West, & Aiken, 2003). In this study, correlation coefficients above 0.70 were observed in nearly all cases. Language arts data was not included for grade/season combinations where the number of test takers did not meet the minimum threshold for analysis.

