



# Exact Path Proven Strong Predictor of North Carolina EOG Test Performance

Research study results indicate high correlations between the Exact Path diagnostic assessment and North Carolina’s End-of-Grade (EOG) Tests.

A 2023 study provides evidence that Exact Path diagnostic assessments measure similar knowledge and skills compared to North Carolina’s End-of-Grade (EOG) tests. These results support the use of Exact Path as a strong predictor of student performance on North Carolina’s EOG tests.

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 EOG tests. Strong correlations were found between Exact Path diagnostic scores and EOG scores across all grades 3-8, subjects, and seasons.

Educators can confidently use Exact Path diagnostic results to help ensure that students are on track to meet academic standards and prepare students for North Carolina’s EOG tests.



## About this District

### Study sample:

- 5,000+ students in both math and reading
- 900+ students in language arts
- Grades 3-8

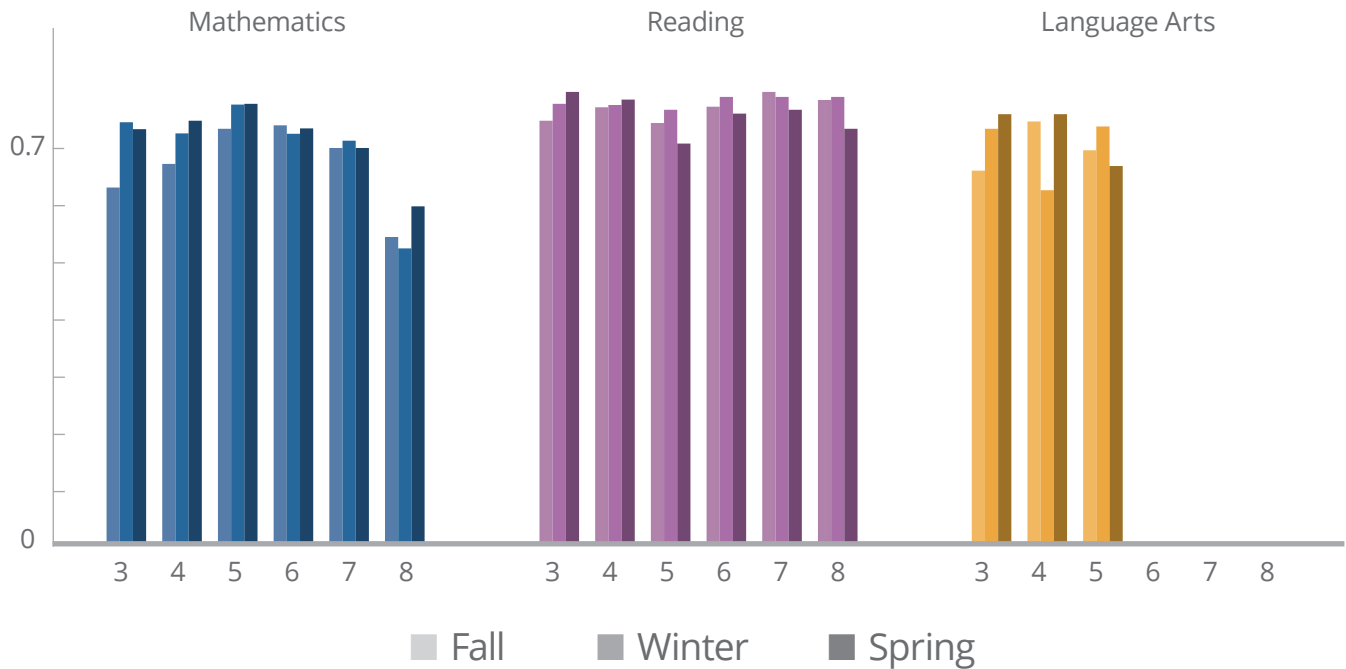
### Edmentum Measure:

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

### Outcome measure:

- North Carolina’s End-of-Grade (EOG) Tests

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



\*n=5000+ for both math and reading  
n=900+ for language arts

### Exact Path Scores Predict North Carolina EOG Test 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 for grades 6-8 was not included as the number of test takers did not meet the minimum threshold for analysis.

