



Linking Study: Predicting Performance on the North Carolina EOG assessments using Classworks Universal Screener



August 2021

About This Whitepaper

Classworks conducted a study to determine if the Classworks Universal Screener assessments can predict achievement on end-of-year North Carolina EOG assessments. Data was collected from over 17,000 students across 20 districts throughout the 2020-2021 school year. The linking analysis revealed that Classworks Universal Screeners are accurate predictors of the EOG assessments.



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Introduction

Understanding where students are with their learning and how they may perform helps you make informed decisions about students' interventions. Assessments that identify students at-risk or in need of interventions better prepares you to support those students and give them the best opportunity to close gaps.

This linking study applied results from the Classworks Universal Screener language arts assessments, to help you predict whether individual students are on track or need more assistance to succeed on the North Carolina End-of-Grade (EOG) tests in language arts in grades three through eight.

Main Findings

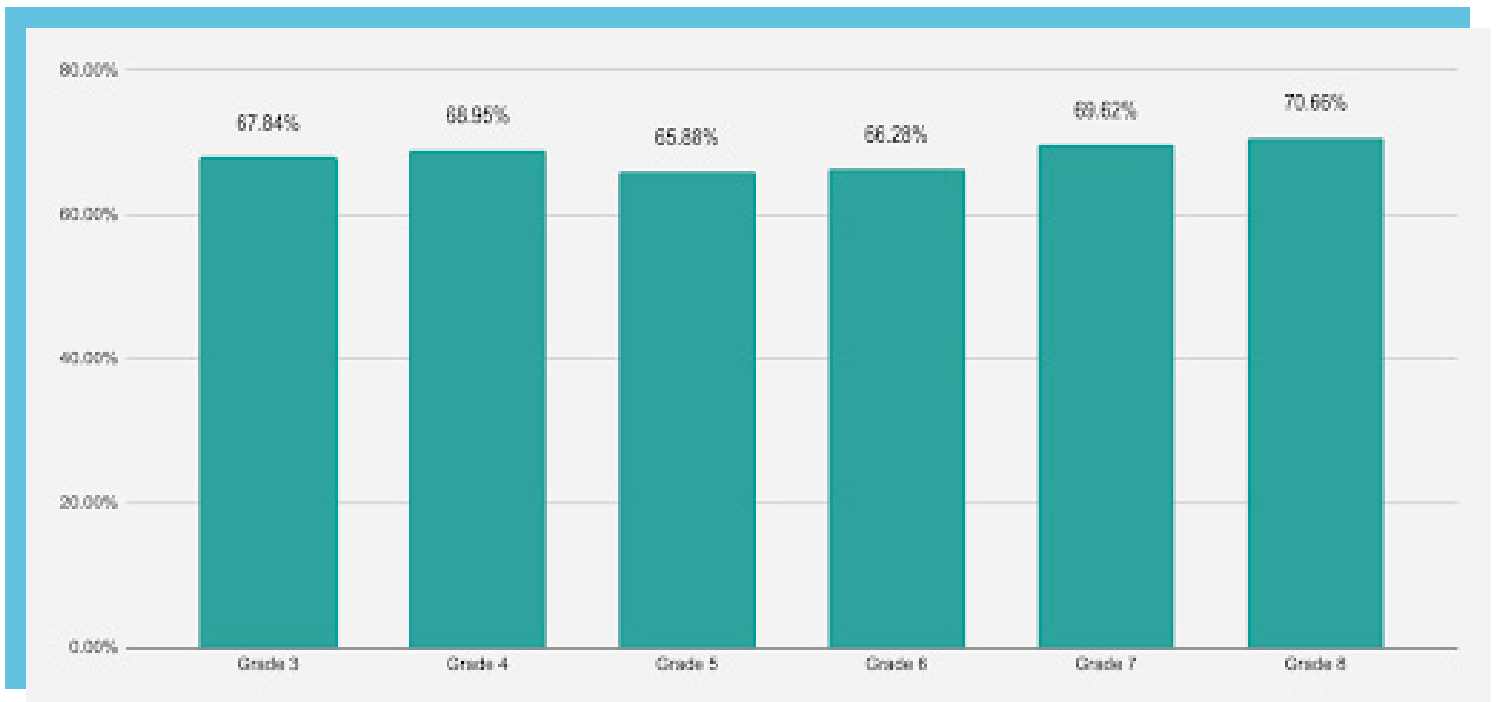
Results from the linking analysis revealed that Classworks Universal Screeners are accurate predictors of the EOG assessments, meaning as a North Carolina educator you can use Universal Screener scores to:

1. Identify students likely to miss language arts yearly progress goals with enough time to make meaningful adjustments to interventions well before the year-end test.
2. Predict the percent of students who will fall into the Proficient (Level 1 and Level 2 learners) or Non-Proficient (Level 3, Level 4, and Level 5 learners) categories on the North Carolina EOG to help district and building administrators plan resources and support accordingly.

Language Arts

Predictive Accuracy

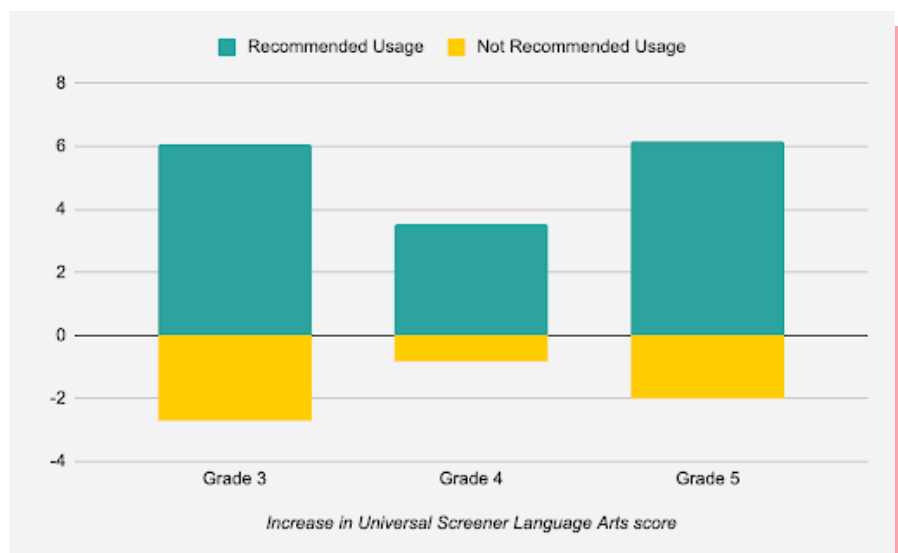
The objective of our model was to measure how accurately the Classworks Universal Screener assessment scores predicted whether students were classified as Proficient or Non-Proficient on the North Carolina EOG in the subject of Language Arts. Findings indicate that the Classworks Universal Screener language arts assessments are accurate predictors of North Carolina EOG language arts assessments. On average, students were correctly classified 68.21% of the time.

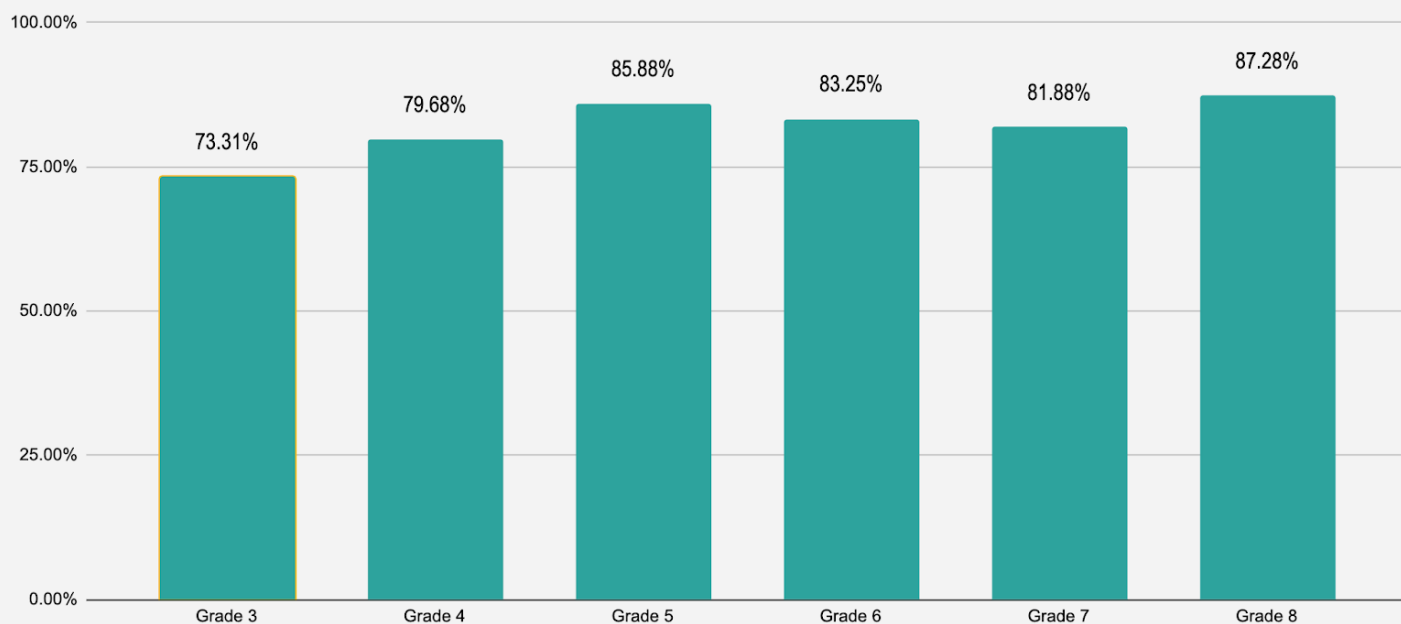


Impact of Classworks Instruction on Universal Screener Growth

When looking at the results of Universal Screener language arts assessments from fall 2020 to spring 2021, further analysis shows that students using Classworks experienced more growth than students who did not.

Across all grade levels, Classworks power users experienced 5.05% more growth in language arts when compared to their peers.





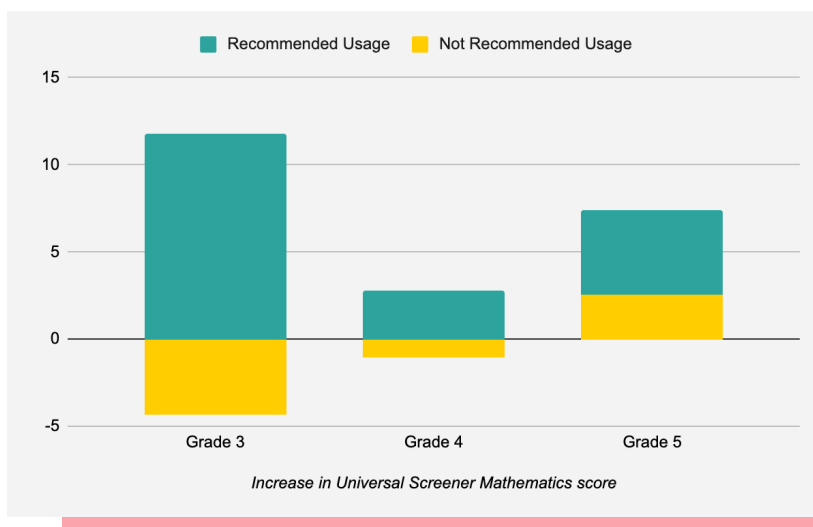
Mathematics

Predictive Accuracy

The objective of our model was to measure how accurately the Classworks Universal Screener assessment scores predicted whether students were classified as Proficient or Non-Proficient on the North Carolina EOG in the subject of mathematics. Findings indicate that the Classworks Universal Screener math assessments are accurate predictors of North Carolina EOG math assessments. On average, students were correctly classified 81.88% of the time.

Impact of Classworks Instruction on Universal Screener Growth

When looking at the results of Universal Screener Mathematics assessments from fall 2020 to spring 2021, further analysis shows that students using Classworks experienced more growth than students who did not. Across all grade levels, Classworks power users experienced 6.03% more growth in mathematics than their peers who did not.



Implications

The findings show there is a relationship between Classworks usage and growth reflected on the Classworks Universal Screener. In addition, there is a high predictive accuracy between the Classworks Universal Screener assessments and the North Carolina EOG assessments in Language Arts. Therefore, students using Classworks may experience more growth on their Universal Screener assessments and, in turn, their end of grade North Carolina EOG assessments.

About Classworks

Since 2003, millions of students have used Classworks to close learning gaps, keep pace, and grow! Our mission is to deliver the most compelling individualized learning experience that helps teachers create an equitable learning environment for students of all abilities and ethnic and social backgrounds.

POWERFUL INSTRUCTION. PERFECT TIMING.

For more information:
Contact Classworks at hello@classworks.com
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