Classworks®

Linking Study: Predicting Performance on New Jersey SLA Reading and Math Assessments using Classworks Universal Screeners

About This Whitepaper

Classworks conducted a study to determine if the Classworks Universal Screener assessments can predict achievement on end-of-year New Jersey SLA assessments. Data was collected from over 3,800 students across 14 districts throughout the 2022-2023 school year.

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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 prepare you to support those students and give them the best opportunity to close gaps.

The objective of this linking study is to reveal whether Classworks Universal Screener Reading and Mathematics assessments help predict performance on the New Jersey SLA End-of-Grade assessments in reading and mathematics in grades 2 through 8.

Main Findings

The New Jersey SLA Grades 2–8 Mathematics and ELA/Reading are New Jersey's state summative assessments aligned to the New Jersey Student Learning Standards. Based on their test scores, students are placed into one of five performance levels for Mathematics and ELA: Level 1 (Did Not Yet Meet Expectations), Level 2 (Partially Met Expectations), Level 3 (Approached Expectations), Level 4 (Met Expectations), and Level 5 (Exceeded Expectations).
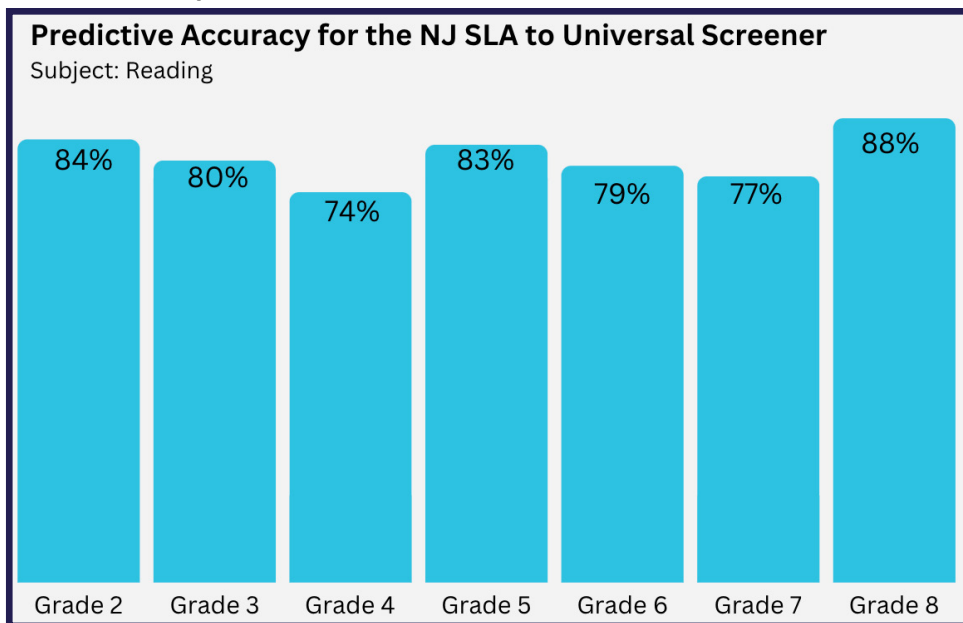
Results from the linking analysis revealed that Classworks Universal Screeners are accurate predictors of the New Jersey SLA assessments, meaning as a New Jersey educator you can use Universal Screener scores to:

- Identify students likely to miss reading and math yearly progress goals with enough time to make meaningful adjustments to interventions well before the year-end test.

- Predict the percent of students who will fall into the Proficient (Level 4 and Level 5) or Non-proficient (Level 1 through Level 3) categories on the New Jersey SLA to help district and building administrators plan resources and support accordingly.

Reading

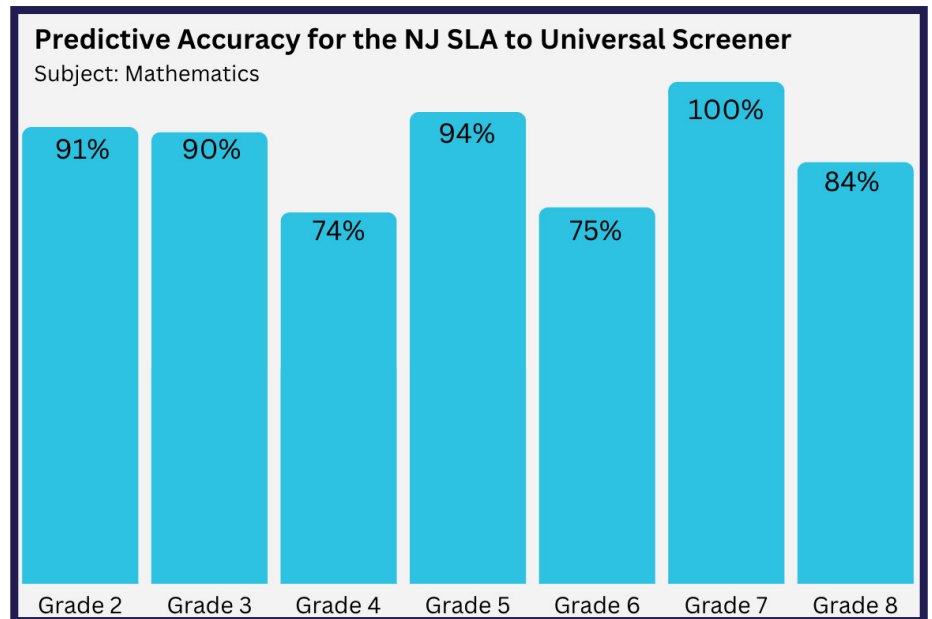## Predictive Accuracy of Universal Screener and New Jersey SLA

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 New Jersey SLA assessment in the subject of reading. Findings show that the Classworks Universal Screener reading assessments are accurate predictors of performance on New Jersey SLA reading assessments. On average, students were correctly classified 81% of the time.

Predictive Accuracy for the NJ SLA to Universal Screener
Subject: Reading

Grade	Accuracy
Grade 2	84%
Grade 3	80%
Grade 4	74%
Grade 5	83%
Grade 6	79%
Grade 7	77%
Grade 8	88%

Mathematics

Predictive Accuracy of Universal Screener and New Jersey SLA

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 New Jersey SLA assessment in the subject of mathematics. Findings indicate that the Classworks Universal Screener math assessments are accurate predictors of New Jersey SLA math assessments. On average, students were correctly classified 87% of the time.

Predictive Accuracy for the NJ SLA to Universal Screener
Subject: Mathematics

Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
91%	90%	74%	94%	75%	100%	84%

Conclusion

The findings show there is a relationship between Classworks usage and growth reflected on the Classworks Universal Screener. Recommended usage includes an average unit score of 75% or higher, 10 or more units completed, and at least 15 minutes a week over 30 instructional weeks in both reading and math.

In addition, there is a high predictive accuracy between the Classworks Universal Screener assessments and the New Jersey SLA assessments in Reading and Mathematics. Therefore, students using Classworks may experience more growth on their Universal Screener assessments and, in turn, on their end of grade New Jersey SLA 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.

For more information:
Contact Classworks at hello@classworks.com,
call 770-325-5555, or visit www.classworks.com.