



ARIZONA DEPARTMENT OF
EDUCATION

Raising Arizona Achievement in Math and ELA with Discovery Education *Experience*

McREL conducted a study to explore the correlation between Discovery Education's presence and academic success in Arizona schools. The study examined the impact of Discovery Education *Experience* on student performance in Math and English Language Arts (ELA) for Grades 3-8 during the 2022-2023 academic year. The findings revealed that meaningful increases in test scores for many Arizona schools were correlated with their strong usage of *Experience*.

Methodology and Approach

- **Treatment:** Schools' number of teachers and students with at least one interaction in *Experience*
- **Outcome:** Schools' percentage of students passing the state exam, controlling for school demographics
- **Population:** Students in Grades 3-8 in 1,171 schools; 21% of treatment schools reached optimal usage thresholds



Key Findings



Improved Math Scores

Schools with strong Discovery Education *Experience* usage saw a **3.91% increase in math state exam pass rates** compared to schools with low *Experience* usage.



Improved ELA Scores

Schools with strong Discovery Education *Experience* usage saw a **3.27% increase in ELA state exam pass rates** compared to schools with low DE usage.



Usage Matters

Large effect sizes were observed in schools when 20+ teachers and 20+ students interacted with Discovery Education *Experience* for two consecutive years.



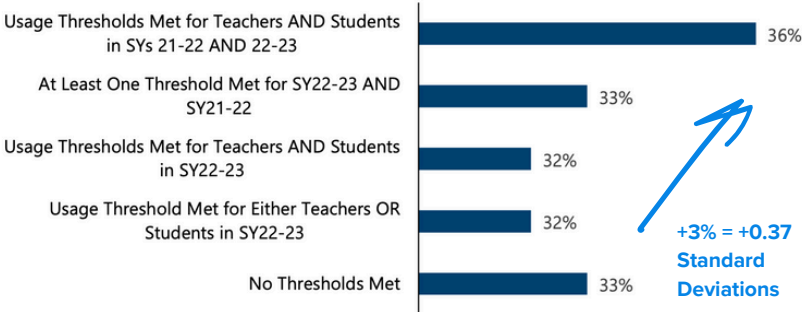
Performance Highlights

Math

3% increase in students passing state assessments



Predicted Percent of Students Passing: Mathematics

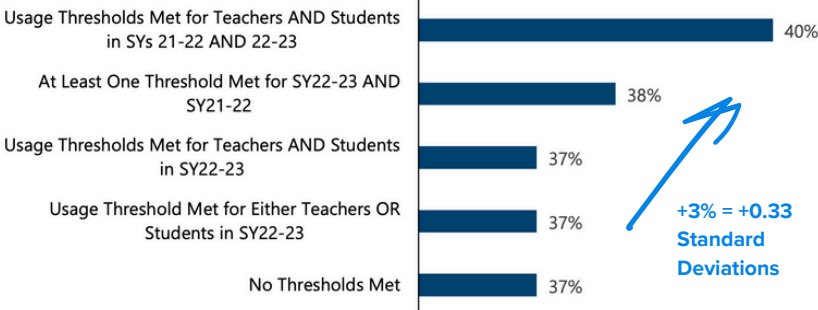


ELA

3% rise in passing rates for state assessments



Predicted Percent of Students Passing: ELA



Usage Threshold: 20+ users (teachers/students) with at least one interaction with Experience during the school year.

Source: McREL 2024 Discovery Education Experience: Arizona Study

Making an Impact Together

Discovery Education’s platform led to high student scores on math, ELA, Social Studies, and Science assessments. Videos, illustrations, quizzes, games, worksheets, or other strategies increased student’s creativity, desire to apply new knowledge, and sometimes ability to teach others.

Teacher, Arizona