Techbook and Streaming Access Supports Achievement in North Carolina

A recent study found 34 performance indicators to show that schools with Discovery Education’s services performed better on North Carolina’s state assessments.

The analysis of student assessment data in 2016-2017 at North Carolina’s 2,404 public schools also revealed striking results among African-American students, demonstrating up to an 11-point statistically significant advantage over schools without Discovery Education services such as Science Techbook, Math Techbook, and Streaming Plus.
GRADE-LEVEL PROFICIENCY:
Math Techbook schools have a 9-point statistically significant advantage over non-Discovery Education (DE) schools in the End of Course (EOC) Math 1 assessment.

An additional 5.5% of students in DE partner schools meet the state’s benchmark in the ACT Math section.

DE partner schools perform particularly well throughout with a statistically significant advantage (over non-DE partners) in EOC Math 1, End of Grade (EOG) Math for grades 3, 4, 5 and 6, as well as in the ACT Math section.

African-American students:
» Math Techbook schools have a 10-point statistically significant advantage over non-DE schools in the EOC Math 1 assessment.
» An additional 6.6% of African-American students in DE schools achieve proficiency in the EOC Math 1 course.

COLLEGE AND CAREER READY:
Math Techbook schools have a 10.5-point statistically significant advantage over non-DE schools in the EOC Math 1 assessment.

DE partner schools perform particularly well throughout with statistically significant differences (over non-DE partners) in EOC Math 1, EOG Math for grades 3, 4, 5, 6 and 8, as well as in the ACT Math section.

DE partner schools have about a 5-point advantage over non-DE partner schools in terms of college and career ready compliance in grades 3, 4, and 5.

African-American students:
» Math Techbook schools have an 11-point statistically significant advantage over non-DE schools in the EOC Math 1 assessment.
» 3-4 point statistically significant advantage for Math Techbook schools in EOG Math grades 7 and 8.

Reading / ELA Findings

GRADE-LEVEL PROFICIENCY:
DE schools have a 5.4-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.

DE schools have a 3-4 point advantage in compliance with proficiency benchmarks over their counterparts in Reading for grades 3 through 5.

DE schools are particularly strong in both the ACT English and ACT Reading sections with an additional 5% of students meeting the state’s benchmarks.

African-American students:
» DE schools have a 6.1-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.
» An additional 5% of DE school students met the state’s benchmarks in both the ACT English and ACT Reading sections.
GRADE-LEVEL PROFICIENCY:
An additional 4.3% of students in DE partner schools meet the state’s benchmark in the ACT Science section compared to students in non-DE schools.

DE schools have a 6.7 point advantage in EOC Biology.

Science Techbook schools have a 3 point advantage in EOG Science Grade 5.

African-American students:
» Science Techbook schools have a 4-point statistically significant advantage over non-DE schools in EOG Science Grade 5.
» DE schools have a 6.8 point advantage in EOC Biology.

COLLEGE AND CAREER READY:
DE schools have a 7.3 point advantage in EOC Biology.

Science Techbook schools have a 2-4 point advantage in EOG Science for grades 5 and 8.

African-American students:
» An additional 6.8% of African-American students taking the EOC Biology assessment in DE partner schools meet the state’s college and career ready benchmark compared to students in non-DE schools.
» Science Techbook schools have a 4-point statistically significant advantage over non-DE schools in EOC Biology and EOG Science Grade 5.

COLLEGE AND CAREER READY:
DE schools have a 6.2-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.

DE schools have a 3-5 point advantage in compliance with college and career ready benchmarks over their counterparts in Reading for grades 3 through 5.

African-American students:
» DE schools have a 5.9-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.
Transcend the traditional. Go beyond the expected.

Take learning beyond the classroom and into the real world. Schedule a strategy session today with Discovery Education to see how we can help your students achieve more.

LEARN MORE: DISCOVERYEDUCATION.COM/REQUEST-DEMO

More Success Stories

ASHEBORO CITY SCHOOLS, NC

Three years after implementing Science Techbook, achievement soars for elementary students.

- 42 percentage-point increase on state tests for 5th grade students (2016).

* Source: https://www.courier-tribune.com/news/20170214/tech-books8217-positive-effects-show-up-on-eog-tests

ROWAN-SALISBURY SCHOOLS, NC

Two years after this district embarked on a strategic plan incorporating Science Techbook to enhance literacy, student test scores saw improvement.

- 71 percent of schools using Techbook raised their science scores on state tests (2015).
- 91 percent of schools scored proficient or better on state tests (2015).

* Source: http://www.wbtv.com/story/32954283/test-scores-show-significant-improvement-in-rowan-salisbury-schools/

RICHMOND COUNTY SCHOOLS, NC

Math Techbook helped middle-school students achieve consistent results on end-of-year tests from 2015-2016. Techbook is now the core instructional resource for middle school educators to support their teaching and learning.

- 8th grade math students using Math Techbook scored 6 percentage points higher on state test than in previous years without Techbook (2015).

* According to data provided by the school district.

“Discovery Education is one of the best digital resources that we have in terms of personalizing learning, whether it’s addressing a language issue or reading struggles, they provide all those resources, structuring and scaffolding.”

TRACI KOHLER
Director of STEAM Resources, Collier County Public Schools, FL

“We no longer have a divide between kids who love math and those who loathe it. With Math Techbook, there’s a hook for every kid.”

HEATHER JAMES
Middle School Math Teacher, Richmond County Schools, NC

“What Techbook is the perfect product to support our pedagogy of small-group instruction. We can rely on it, and it multiplies the effect of the teachers.”

KELLY DELONG
Director of K–12 Math and Science, Richmond County Schools, NC