



SCIENCE
TECHBOOK

Discovery Education *Science Techbook* Increases Science Achievement

At Discovery Education, we're committed to providing research-based products and services to help cultivate the highest quality digital teaching and learning. We verify the efficacy of our offerings across educational settings to support deep and sustained learning.

Science Techbook is an evidence-based, award-winning comprehensive K-12 science curriculum, designed to bring the excitement of science to life. Students explore the marvels of our world with an immersive, phenomena-based science curriculum that includes hands-on learning opportunities, interactive content, and time-saving teaching and assessment tools.



Science Techbook meets rigorous evidence-based standards for ESSA Tier III and Tier IV

Following ESSA qualifications for this Tier 3: Promising Evidence rating, Discovery Education *Science Techbook* has demonstrated a statistically significant and positive effect on student achievement through a well-designed and well-implemented correlational study with statistical controls for selection bias.

Following qualifications for ESSA Tier 4: Demonstrates Rationale, *Science Techbook* offers a clear logic model that visually represents program inputs, activities and desired outcomes for its implementation. The product design is founded in Theory of Action references, which notes research-based actions that lead to improved practices in teaching and learning.

Discovery Education *Techbook* is our main resource for Social Studies and Science. We have utilized it successfully and frequently in our curriculum. The *Techbooks* and accompanying materials have been instrumental in making sure that all of my students, no matter the learning location, receive an excellent education.



Alisha Ramsey
Teacher, North Carolina

Learn More

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Students apply methodical thinking and evaluation like scientists and engineers to address abstract problem solving and reflect on issues with peers to develop solutions. The key components aiding my students in this process has been . . . *Science Techbook* and SOS Instructional Strategies. Discovery Education has changed our science curriculum for the better by using real-world phenomena that allow our students to think critically and empirically.



Jacquelyn Freeman
8th grade Teacher, Maryland

Throughout the country, access to *Science Techbook* has been shown to increase science proficiency and student engagement.

Multiple studies show that regular use of *Science Techbook* in the classroom has many positive academic results for educators and students across a variety of districts and populations in the United States.

Results at a Glance:



In two independent studies with Sahuarita Unified School District (AZ), a third party evaluated Discovery Education's impact and found that the investment in *Science Techbook* resulted in **increased science, math and reading proficiency** in grades 3-8. In the second study, there was a correlation between frequency and depth of use of *Science Techbook* and student achievement in science in grades 6 and 7. [Source](#)



In a study with Rock Hill School District (SC), use of *Science Techbook* showed positive impacts on student achievement for grade 4. The **average 2014 PASS science scale score** for classrooms of high users **was higher** than the average scale scores for both the low/non-user group and the district. [Source](#)



In North Carolina, one study found that across 34 performance indicators, schools with Discovery Education **performed better on state assessments** for grade-level science proficiency than non-DE partner schools. [Source](#)

Schools with access to *Science Techbook* had a **3-point statistically significant advantage** over non-DE schools in the EOG Science Grade 5 assessment.

71% of 5th grade students in *Science Techbook* schools were proficient in science compared to just 68% in non-DE schools.