

The OpenSciEd Difference

Traditional Science Curriculum vs. OpenSciEd Curriculum

OpenSciEd's science curriculum is different from traditional science curriculum. Our world-class, Next Generation Science Standards-aligned instructional materials are designed for how students learn science best. The comparison below shows how we have improved science education.



Other Middle School CURRICULA



OpenSciEd CURRICULUM

NOT RATED OR POORLY RATED: Of the 14 middle school science curricula reviewed by EdReports, only two have received the 'green' rating.

HIGHLY RATED: OpenSciEd received a 'green' rating from EdReports, indicating the highest quality of science education instructional materials.

DESIGNED FOR OUTDATED RESEARCH: Most middle school science programs do not embody the *K-12 Framework for Science Education* and NGSS standards.

DESIGNED FOR THE K-12 FRAMEWORK FOR SCIENCE EDUCATION: The entire program was written for Framework-based standards like the NGSS.

ORGANIZED FOR LEARNING ABOUT: Science learning is organized to make sense to someone who already knows the information.

ORGANIZED FOR FIGURING OUT: Science learning revolves around figuring out an intriguing phenomenon.

TEACHER-DIRECTED: Programs use phenomena or demos as "hooks" to draw in students and experiments to reinforce learning.

TEACHER FACILITATED: Phenomena generate the student questions, explanations, and ideas for investigations that motivate learning.

LECTURE-BASED LESSONS: Teachers or books tell students about science.

COLLABORATIVE: Students work together and learn from each other as they ask questions, design investigations, and find solutions.

CONFIRMATORY: Students are exposed to vocabulary and facts and follow the directions to confirm what they have learned.

INVESTIGATIVE: Students investigate their questions as they build and revise their understanding of the science.

SOME STUDENTS: Leads to a few students who think that science is relevant to their lives and even fewer that connect it to their future careers.

ALL STUDENTS: Instructional routines are designed to value every student's voice, fostering a sense of belonging and empowerment.

DIFFICULT TO ADAPT: Materials are locked in proprietary formats that make it difficult to adapt.

EASILY EDITABLE: Materials are provided in editable formats that allow teachers to adapt.

HIGH COSTS: High fees are paid for proprietary materials available from only one source.

LOWER COSTS: OER-based curriculum reduces overall costs.

OpenSciEd Makes Learning Science Engaging

OpenSciEd is reimagining the science education experience to ensure that all students can excel in and outside the classroom and are prepared to thrive in the world of tomorrow. Our phenomenon-based, three-dimensional units prioritize student coherence and equitable science sensemaking.



Rigorous but Flexible for Classrooms

OpenSciEd curriculum was designed to meet new science standards and still allow teachers to adapt the curriculum for their classrooms.

High-Quality Lessons and Support Materials



Pathways to Adoption

There are two pathways to adopt OpenSciEd, either as an open educational resource (OER) or through our certified distributors who have created fully packaged versions of the curriculum.

