



**High-quality Instructional Materials
Just Got **Even** Better.**

PROGRAM OVERVIEW

The OpenSciEd approach highlights two key instructional shifts in the Next Generation Science Standards (NGSS*): phenomena-based teaching and the importance of coherence. In an OpenSciEd classroom, students make sense of a phenomenon or problem, connecting each lesson across time to provide meaning during a lesson. The units are based on a storyline, a coherent sequence of lessons where each step is driven by students' questions that arise from their interactions with phenomena. Students work through the class's questions through science and engineering practices to figure out the unit's phenomenon or solve the identified problem.

OpenSciEd created a set of exemplary science instructional materials that are:

- Designed for and aligned to the Next Generation Science Standards and *A Framework for K-12 Science Education*;
- Based on research regarding how students learn, what motivated learning, and the implications for teaching; and
- Developed with educators and extensively field-tested by teachers and schools.

SUPPLEMENTAL SERVICES

Like any curriculum, OpenSciEd requires materials and support. When you partner with Carolina, you get everything you need for classroom success from a single, trusted, and reliable supplier. Carolina offers redesigned print materials, simplified equipment, and an enhanced digital experience, plus certified professional learning to help teachers make the shift to three-dimensional, student-centered, and phenomena-driven learning. The Carolina Certified Version maintains the standards of high-quality instructional materials while focusing on ease of use, improved safety, and enhanced accessibility.

- Redesigned Print Materials
- Simplified Kits and Materials
- Enhanced Digital Experience
- Certified Professional Learning

To learn more about the Carolina Certified Version of OpenSciEd Grades 6-8, visit www.carolinaopensci.com.

Redesigned Print Materials

TEACHER EDITION – it's not just a reprint

- Redesigned and reformatted lessons with larger font and improved layout make lessons easier to read and follow.
- An improved visual design makes it easier for teachers to identify important call outs for safety and pedagogical support for students and instruction.
- Simplified investigations offer time-saving alternatives to investigations and materials and setup.
- The design meets ADA compliance.



STUDENT EDITION – intentionally organized and formatted to provide what students need to progress through lessons, in one resource

- A bound Student Edition that contains all student resources including handouts, references, and readings organized by lesson to be used as a notebook.
- Student procedures and assessments are offered online to protect the integrity of the student-driven instructional design.
- The design was evaluated and approved to meet ADA compliance.

[Download a sample lesson](#) for a preview of the content in each unit and to see the unique format of the Carolina Certified Versions.

Simplified Kits and Materials

Carolina's expert scientists and science educators simplified some of the hands-on investigations to reduce prep time and materials costs. Carolina offers flexible and all-inclusive options for complete kits, refurbishment materials, and individual components to support the OpenSciEd curriculum.

- Kits provide all consumable and non-consumable materials for 8 lab groups per class to allow for maximum student participation.
- Kits and refurbishments are available in 1-class (up to 32 students) and 5-class configurations (up to 160 students).
- Non-consumable materials are packed in sturdy, stackable crates for convenient storage.



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Enhanced Digital Experience

All instructional resources are available as downloadable or assignable content on the Carolina Science Online platform. This unique interactive experience provides additional teacher support and improves students' engagement and accessibility.



TEACHER RESOURCES

All units use a tabbed layout design that organizes content by unit, lesson sets, and individual lessons. All student resources and assessments can be downloaded to be printed or edited and can be assigned at point-of-use within the Learning Plan. The Teacher Edition is also included as an eBook.

STUDENT RESOURCES

An interactive student notebook, available in English and Spanish, is organized to match the teacher's Learning Plan making it easy to stay in sync in or out of the classroom. Students can respond with text, drawings, and can upload images. A Notes feature allows students to capture their thoughts, questions, and ideas as they progress through the lesson. All student work and notes are automatically saved in a Lesson Summary for later review and reference.

All digital content is ADA and WCAG compliant to support accessibility.

Learn more about the digital resources and support for students and teachers available on [Carolina Science Online](#).

Certified Professional Learning



To further support effective implementation, Carolina offers Certified Professional Learning for OpenSciEd. We are committed to supporting teachers as they make the shift to phenomena-based, three-dimensional teaching through the instructional routines of OpenSciEd, and we provide introductions to each unit. Customized learning experiences are created to meet the unique needs of each district or school.

** NGSS is a registered trademark of WestEd. Neither WestEd nor the lead states and partners that developed the Next Generation Science Standards were involved in the production of this product, and do not endorse it.*

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