

Louisiana Believes

OpenSciEd Purchasing and Professional Development

This document provides schools and school systems an overview of OpenSciEd, information on purchasing materials and information about professional development. Please send questions and feedback to STEM@la.gov.

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Overview of OpenSciEd

OpenSciEd is an effort among science educators, curriculum developers, teachers and philanthropic foundations to improve the supply of and demand for high-quality K-12 science instructional materials by producing open-sourced, freely available instructional materials designed for college and career-ready science standards. OpenSciEd works with classroom educators, experienced science curriculum developers, individual school districts, education non-profit Achieve, and the science education community to create and pilot robust, research-based, open-source science instructional materials.

Field Testing and Release of Units

Ten partner states volunteered to join this effort including: California, Iowa, Louisiana, Massachusetts, Michigan, New Mexico, New Jersey, Oklahoma, Rhode Island, and Washington. After the initial development of the OpenSciEd units, the unit prototypes or **field test units** undergo rigorous external review and robust field-testing in participating classrooms across partner states. Seven Louisiana districts are involved in field-testing the units. The field test units are revised based on the feedback and data collected. The revised or **complete** units are submitted to Achieve’s EQUiP Peer Review Panel and made freely and openly available to the public upon earning a quality rating. The OpenSciEd release schedule provides for **complete units** to release three at a time beginning August 2019 with the entire middle school program (18 units total) fully completed and released in early 2022.

Louisiana Guides to Piloting OpenSciEd

The Louisiana Guides to Piloting OpenSciEd: Grades [6](#), [7](#), and [8](#) provide guidance to assist middle school teachers with the field-testing of the OpenSciEd curriculum. The guides include sample scope and sequences, which integrate the OpenSciEd curriculum and the Louisiana Sample Scope and Sequence documents. The scope and sequences do not illustrate the only appropriate sequence to teach the units. The units can be organized into different learning sequences and the performance expectations can be bundled around different phenomena.

The OpenSciEd units may include performance expectations from previous or future grade levels. These units are intentionally designed to provide students the opportunity to incrementally make sense of phenomena to build understanding and abilities over time through a coherent storyline. Modification to the sequence or content of lessons within these units could undermine the design, and therefore is not recommended and should be approached with caution and careful consideration.

Contact

For questions or requests for additional information on the OpenSciEd initiative and/or materials, contact info@opensci.ed.org.

OpenSciEd Materials: Access and Purchasing Information

Educators piloting OpenSciEd may choose to download the open source [digital files](#) and/or [assemble their own kits](#). Print materials and kits are also available for purchase from participating vendors as described below.

Certified Distributors

In addition to open source, freely available files on their website, OpenSciEd has partnered with [certified distributors](#) that can provide schools with OpenSciEd items such as books, kits, and digital platforms. Printed Teacher and Student Editions are available for purchase from [Kendall Hunt](#) and Interactive Digital Editions are available for purchase from [Activate Learning](#).

Kits: Laboratory Equipment and Other Scientific Supplies

Kendall Hunt offers kits for *field test versions* of units. AquaPhoenix offers kits for *Complete Units* as they are released. The chart below provides an overview of the kits offered by vendors for 2021-2022.

OpenSciEd Sample Scope and Sequence Units		Kendall Hunt	AquaPhoenix
Grade 6	Light and Matter 6.1 (Complete Unit)		√
	Contact Forces 8.1 (Complete Unit)		√
	Sound Waves 8.2 (Complete Unit)		√
	Forces at a Distance 8.3 (Complete Unit)		√
	Earth in Space 8.4 (Field Test Version)*		√
	Cells 6.6 (Field Test Version)*	√	
Grade 7	Thermal Energy 6.2 (Complete Unit)		√
	Water Cycling and Weather 6.3 (Complete Unit)		√
	Chemical Reactions and Matter 7.1 (Complete Unit)		√
	Metabolic Reactions 7.3 (Complete Unit)		√
	Matter Cycling and Photosynthesis (Complete Unit)		√
	Ecosystem Dynamics 7.5 (Field Test Version)*		√
Grade 8	Plate Tectonics and Rock Cycling 6.4 (Field Test Version)*		√
	Natural Hazards 6.5 (Complete Unit)		√
	Energy in Chemical Reactions (Complete Unit)		√
	Natural Resources and Human Impact (Field Test Version)*	√	
	Genetics 8.5 (Field Test Version)*		√
	Natural Selection and Common Ancestry (Field Test Version)*	√	

*Complete Kit Available by Winter 2022**

Kit Ordering Information

- To purchase [Kendall Hunt](#) materials download the order form [here](#) and email it to orders@kendallhunt.com or fax it to 1-800-772-9165.
- To purchase AquaPhoenix materials click [here](#).

Professional Development Vendors

Teachers are better positioned to support students' meaningful growth when they have access to initial and on-going professional development that helps them utilize quality curriculum effectively. OpenSciEd materials are freely accessible online. However, we highly recommend that all teachers participating in the pilot undergo at minimum, an **Initial OpenSciEd Training**, which is designed to build teachers' familiarity with the structure, approach, and key components of the curriculum. The following professional development providers are staffed with qualified facilitators who have received official training from OpenSciEd.

OpenSciEd PD Provider	Contact	Initial Trainings	Follow-up Trainings	District Specific Trainings	Open Enrollment Trainings	Initial Implementation Support	Ongoing Implementation Support
OpenSciEd	Professional Learning Page Request a Quote	✓	✓	✓	✓	✓	✓
BSCS	BSCS Professional Learning Jody Bintz (Professional Learning Division)	✓	✓	✓	✓	✓	✓
Louisiana Tech SciTEC	Diane Madden dmadden@latech.edu 318-257-2866	✓	✓	✓	✓	✓	✓
TNTP	Mary Jones mary.jones@tntp.org 415-577-4342	✓	✓	✓	✓	✓	✓
University of Texas at Austin Charles A. Dana Center	Ledoux, Shelly M shelly.ledoux@austin.utexas.edu	✓	✓	✓	✓	✓	✓

Michigan Math and Science Leadership Network	Mary Star starm@mimathandscience.org	✓	✓	✓	✓	✓	✓
Side-by-Side Strategies	Cathi Cox-Boniol ccb91110@gmail.com 318-268-7558	✓	✓	✓	✓	✓	✓
NextGen Science Storylines	nextgensci-storylines@gmail.com	✓	✓	✓	✓	✓	✓
Maine Mathematics and Science Alliance	kcook@mmsa.org	✓	✓	✓	✓	✓	✓

The Department will communicate OpenSciEd open enrollment events through [Teacher Leader Newsletters](#) and [Academic Content and Educator Development Calls](#). Additionally, the Department holds a monthly call for OpenSciEd Pilot Updates. The call takes place on the second Wednesday of each month at 10 a.m., and a call summary with important links are added to the invite after each call. To be added to this monthly call, contact STEM@la.gov.