Science Curriculum Resources Proposal

Proposal Title

OpenSciEd Curriculum Resources for Kindergarten-5th Grade Science

Summary of Curriculum Resource

[OpenSciEd](#) is a non-profit organization that creates high-quality, open-source science instructional materials for grades K-12, all of which are aligned with the Next Generation Science Standards (NGSS). Their primary goal is to provide freely accessible, phenomena-based curriculum materials that encourage student-driven inquiry and deep understanding of scientific concepts.

All of OpenSciEd's curriculum units are available for free to download and use on their website. They provide editable resources such as PDFs, Google Docs, and Google Slides, which teachers can modify to fit their classroom needs.

The OpenSciEd curriculum uses a "storyline" approach where students begin with a real-world "anchoring phenomenon" that sparks their curiosity. They then work together as a class to ask questions, plan investigations, and figure out the science behind the phenomenon, building their understanding incrementally. The curriculum is composed of full-length units, with an entire year of curriculum available for each grade level from K-5. Each unit is carefully sequenced to build on prior learning. The curriculum has received high ratings from organizations like EdReports for its quality and alignment to NGSS.

Each grade level (K-5) has 4 units that are designed to be taught in a specific order because each unit builds upon the concepts and skills learned in previous units. This "coherent storyline" allows students to progressively develop a deeper understanding of scientific ideas over time.

*This resource is still being developed which means in each grade level Unit 3 consumable and non-consumable materials are not available for purchase yet. Additionally in each grade, all unit 4 materials are not available. We are anticipating availability in summer 2025. We are proposing setting aside the following amount to purchase the remaining materials at the end of FY26.

Item Details

Item	Quantity	Description	Unit Cost	Total Cost
OpenSci Ed Teacher Edition*	24	1 Teacher Edition per Unit (4) per grade (6)	$25.00	$432.00 +$168.00
OpenSci Ed Student Workbook (K-2)*	12	1 Student Workbook per Unit (4) per grade (3)	$7.00	$63.00 +$21.00
OpenSci Ed Student Workbook (3-5)*	12	1 Student Workbook per Unit (4) per grade (3)	$9.00	$81.00 +$27.00
Non-Consumable Kits**	24	Reusable items that are used up during the course of the lessons 1 per unit (4) per grade (6)	Varying price depending on grade level and unit	$9,748.77 +$10,000
Consumable Kits**	24	Disposable items that are used up during the course of the lessons 1 per unit (4) per grade (6)	Varying price depending on grade level and unit	$4,049.27 +$5,000
Professional Learning	2	A virtual (4-part) event for elementary science teachers to prepare for the curriculum rollout and implementation.	$60.00	$120.00

Total Cost = $29,710.04

*Purchased via Kendall Hunt

**Purchased via AquaPhoenix

+Set aside for later in FY26