

Approve K-5 Science Instructional Materials Adoption

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Agenda Item No. 10.1

Presented by:

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SCUSD Teachers

Overview and Driving Governance for Instructional Materials Adoption

- The CA Science Framework (2016) provides guidance to LEAs that support the necessary pedagogical shifts to reach the rigor called out in the Next Generation Science Standards (NGSS).
- State's review of science instructional materials for K-8 science programs completed November 2018.
- SCUSD can begin to actualize the Equity, Access and Social Justice Guiding Principle by providing a high quality, standards aligned, rigorous program to all schools.
- SCUSD engaged in the process for instructional materials adoption for science from May 2021 - February 2022.

Instructional Materials Adoption Process

Committee – Curriculum Screening

- Fifteen (15) reviewers (grades K-5) met to review and screen curriculum in Spring 2021.
 - Reviewers narrowed potential programs from nine (9) to five (5).
- Twelve (12) reviewers participated in a deeper screen in Summer 2021 of the materials to identify two programs to pilot (Amplify and Carolina).
- Process guided by the *2018 CA NGSS Toolkit for Instructional Materials Evaluation (TIME)*

Instructional Materials Adoption Process

Committee – Pilots

- Two eight-week pilots:

<i>Kindergarten</i>	<i>1st Grade</i>	<i>2nd Grade</i>	<i>3rd Grade</i>	<i>4th Grade</i>	<i>5th Grade</i>
1 Teacher	8 Teachers	12 Teachers	9 Teachers	12 Teachers	12 Teachers

- One complete unit in each program
- Collaborative analysis of student work
- Collaborative analysis of instructional materials features using standardized rubrics

Instructional Materials Adoption Process

Stakeholder Outreach

- E-connect and social media announcements
- Flyers were posted to Principal's Bulletin Board and shared with teachers.

Recommended Materials

Grades K-5: Amplify Science K-5



AmplifyScience



Budget and Financial Considerations

Funding Source	Funding
General Fund	\$5,007,364

Adoption Item	Spending
Adoption Process (Prescreen, paper screen, pilot)	~\$100,000
Grades K-5: Amplify Science, Materials & Professional Learning	~\$4,900,000
Total Spending	\$5,007,364

Decision Data

Program	Pilot Teacher Votes	Community Feedback
<u>Grades K-5</u> Amplify Science	29/32 (90.6%)*	Amplify - 9/15 (60%) Either - 3/15 (20%)

*Voting indicated that teachers (90.6%) either “strongly agreed” or “supported” this program.

Amplify Science Highlights

(Grades K-5)

- Strong storyline (lessons connected and rigor elevated throughout unit)
- Engaging simulations (built in to online platform) that model relevant phenomena
- Multiple attempts for students to develop their understanding of phenomena
- Embedded differentiation for all types of learners (UDL)
- Strong supports/resources for teachers
- Incorporates 21st century skills
- Strong cross-content connections (ELA/Math/ELD)
- Ease of facilitation with built-in Google Slides

Next Steps

- Work with Library Textbook Services and Amplify Science to purchase materials for all K-5 classrooms for the 2022-23 school year.
- Provide professional learning for leaders and teachers to build their capacity to effectively utilize the adopted instructional materials
- Co-create curriculum maps with teachers to outline expectations and use of the newly adopted instructional materials
- Assess the curriculum embedded assessments for recommendations for use in classrooms and for district-wide assessments