Science Instructional Materials Selection Process

Grades TK-8

March 3, 2020
Our Considerations for Adopting Materials
Science Framework for California Public Schools

“This new Science Framework supports the goals of the California Next Generation Science Standards. This framework includes an emphasis on student inquiry. The classroom teacher serves as a facilitator to help students investigate scientific phenomena and principles of engineering through experiments and other activities that foster critical thinking. The framework provides guidance to educators on how to address the standards through the use of classroom snapshots, descriptive lesson vignettes, and examples of engineering-based projects.”
Supporting the Instructional Shifts

- Students learning content, concepts, and skills
- Students learning science in real-world contexts
- Students making sense of science
- Students thinking and acting like a scientist
- Teachers facilitating learning
Our Considerations for Adopting Materials

**Story**
- Background Information
- Considerations
- Perceptions

**Commitment**
- Examination of Materials

**Evaluation**
- Exploration of Materials

**Options**
- Exploration of Materials

**Interests**
- Our Overarching Objectives

**Our Overarching Objectives**
- Exploration of Materials
K-8 Mutual Interests
IUSD Science

College and Career Readiness for ALL Students

Clear Communication for ALL Stakeholders

Equity of Access and Consistency of -- Experience for ALL Students

Engaging Science Experiences with Real World Applications for ALL Students

Instructional Needs of ALL Student Met Appropriately

Manageable and Strategic Transition to NGSS for ALL Stakeholders

Teacher and Administrator Efficacy, Readiness, and Preparedness

Growth Mindset Reinforced by Resources and Instruction

Vertical Articulation Supported by Resources

Flexibility of Resources

Sustainability of Resources
Our Considerations for Adopting Materials

Science Adoption Toolkit

- Presence of Phenomena/Problem
- Presence of Three Dimensions
- Equitable Learning Opportunities
- IUSD Mutual Interests
Reviewing the Pilot Process

- Steering Committee
- Selection Committee
- Piloting Teacher Trainings
- Classroom Visits
- Debrief Meetings
- Parent Events
- Teacher, Parent, & Student Surveys
- Deliberation and Decision Day
Data Review for Recommendation

- Parents, Teachers, and Student Surveys
- Phase 1 and 2 debrief notes and scores
- Helpdesk Data: Response and Resolution Time
- Evidence of Student Learning
<table>
<thead>
<tr>
<th>TK-Grade 6</th>
<th>Twig</th>
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<tbody>
<tr>
<td>Grades 7-8</td>
<td>STEMscopes</td>
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<tr>
<td>(and Grade 6 at K-8s)</td>
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Thank you

Questions