



# High School Science Textbook Adoption

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# Purpose of Presentation

The purpose of this presentation is to provide information relative to the recommendation to adopt SAVVAS Learning Company as our core Science instructional materials for 9th - 12th grade.

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# Reason For New Materials



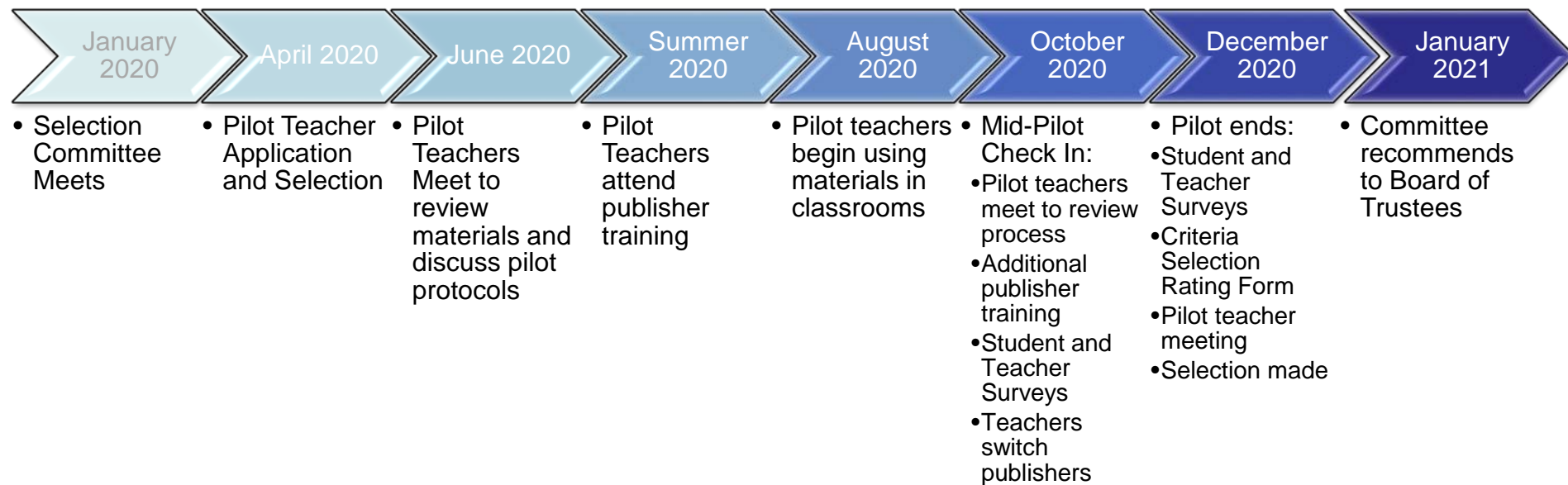
- New science framework
- New Approach and Ideas for Science Education
- New State Test for Science for grades 5,8,11

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# Timeline



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# Instructional Materials Piloted



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# Representation

## 22 Science Teachers from 6 High Schools

- Creative Connections Arts Academy
- Foothill High
- Grant High
- Highlands High
- Pacific High
- Rio Linda High

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# CA Next Generation Science Standards Toolkit for Instructional Materials Evaluation



- Learning by doing science
- Students are making sense of the science concepts and practices themselves
- All standards experienced by all students
- Teachers are provided the materials and support to create an engaging learning environment for our young scientists
- All Materials Approved by the CA Dept. of Education

CA NGSS TIME Section 3: Paper Screen  
Designed for CA NGSS Score Sheet

Criteria/Component	Score	Total
<b>Designed for CA NGSS: Foundations</b>		
F1: Presence of Phenomena/Problems		
F2: Presence of Three Dimensions		
F3: Presence of Environmental Principles and Concepts (EP&Cs)		
F4: Presence of a Logical Sequence of Learning		
<b>TOTAL Foundations</b>	<b>SUM =</b>	<b>x 1.25 =</b>
<b>Designed for CA NGSS: Student Work</b>		
SW 1: Phenomena/Problems		
SW 2: Three-Dimensional Conceptual Framework		
SW 3: Prior Knowledge		
SW 4: Metacognitive Abilities		
SW 5: Equitable Learning Opportunities		
<b>TOTAL Student Work</b>	<b>SUM =</b>	<b>x 1.00 =</b>
<b>Designed for CA NGSS: Monitoring Student Progress</b>		
SP1: Monitoring Three-Dimensional Learning and EP&Cs Integration		
SP2: Capturing Student Progress		
SP3: Variety of Measures		
SP4: Accessibility		
SP5: Use of Assessment		
<b>TOTAL Student Progress</b>	<b>SUM =</b>	<b>x 1.00 =</b>
<b>Designed for CA NGSS: Teacher Support</b>		
TS1: Phenomena/Problems Drive Three Dimensional Learning		
TS2: Coherence		
TS3: Effective Teaching		
TS4: Support for Students with Diverse Learning Needs		
TS5: Support to Monitor Student Progress		
<b>TOTAL Teacher Support</b>	<b>SUM =</b>	<b>x 1.00 =</b>
<b>Grand Total (out of 100)</b>		

CA NGSS TIME adapted from  
© 2019 SBCC Science Learning, developed in collaboration with the K-12 Alliance at WestEd and Achieve, Inc.

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# Student Voice

Over 1,000 students participated in the pilot and provided us direct feedback in three main areas:



*LESSON  
PERFORMANCE*



*SURVEYS*



*REFLECTIONS ON  
QUALITY OF  
LEARNING*

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# Pilot Teacher Feedback

Evaluation Method	McGraw Hill	HMH	Savvas
Students rated the overall quality of the materials and lessons on a 5 point scale	3.2 Average Student Rating	3.3 Average Student Rating	3.46 Average Student Rating
Teachers rated the quality if lessons based on the amount of modifications they needed to make in order to engage their students*	<b>15 Lessons Reviewed:</b> 20% Substantial Changes 53% Some Change 27% Good: No Changes Needed to Implement	<b>20 Lessons Reviewed For Quality:</b> 55% Substantial Changes 15% Some Change 30% No Changes Needed to Implement	<b>13 Lessons Reviewed for Quality</b> 23% Some Changes Needed 77% No Changes need to implement
Teachers recorded the performance of their students on tests and assignments with the pilot lessons*	Quality of Work: Based on 703 Students High 40% Med 26% Low 34%	Quality of Work: Based on 1239 Students High 31% Med 36% Low 32%	Quality of Work: Based on 775 Students High 51% Med 29% Low 20%

\*scoring method derived from science [Toolkit for Instructional Materials Evaluations](#)

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# Family and Community Engagement

During the pilot process, families were provided with an opportunity to

- preview the materials
- provide feedback
- attend an online community forum to learn about the selection process
- ask questions about the science materials

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# Committee Recommendation

Based on a thorough review of the instructional materials, the selection committee of teachers recommends with unanimous vote-  
**Savvas (formerly Pearson)** for all three courses:

- Living Earth
- Chemistry of the Earth System
- Physics of the Universe

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# Final Recommendation

Staff asks the Board of Trustees to adopt Savvas materials for our three core high school science courses:

- Living Earth
- Chemistry of the Earth System
- Physics of the Universe

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