



Science Textbook Adoption, TK-8

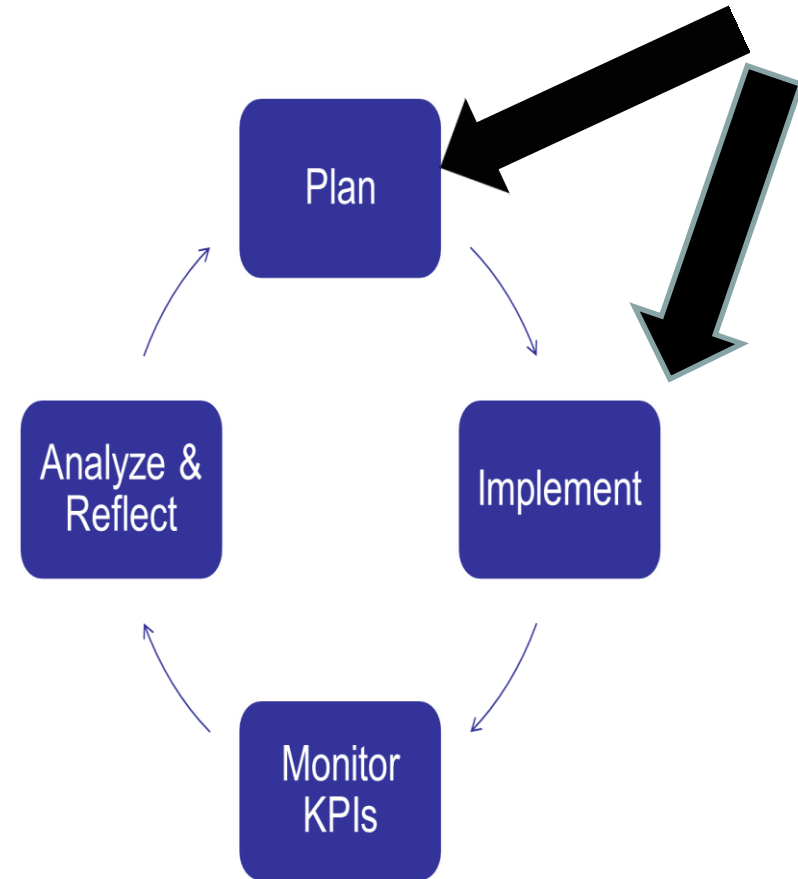
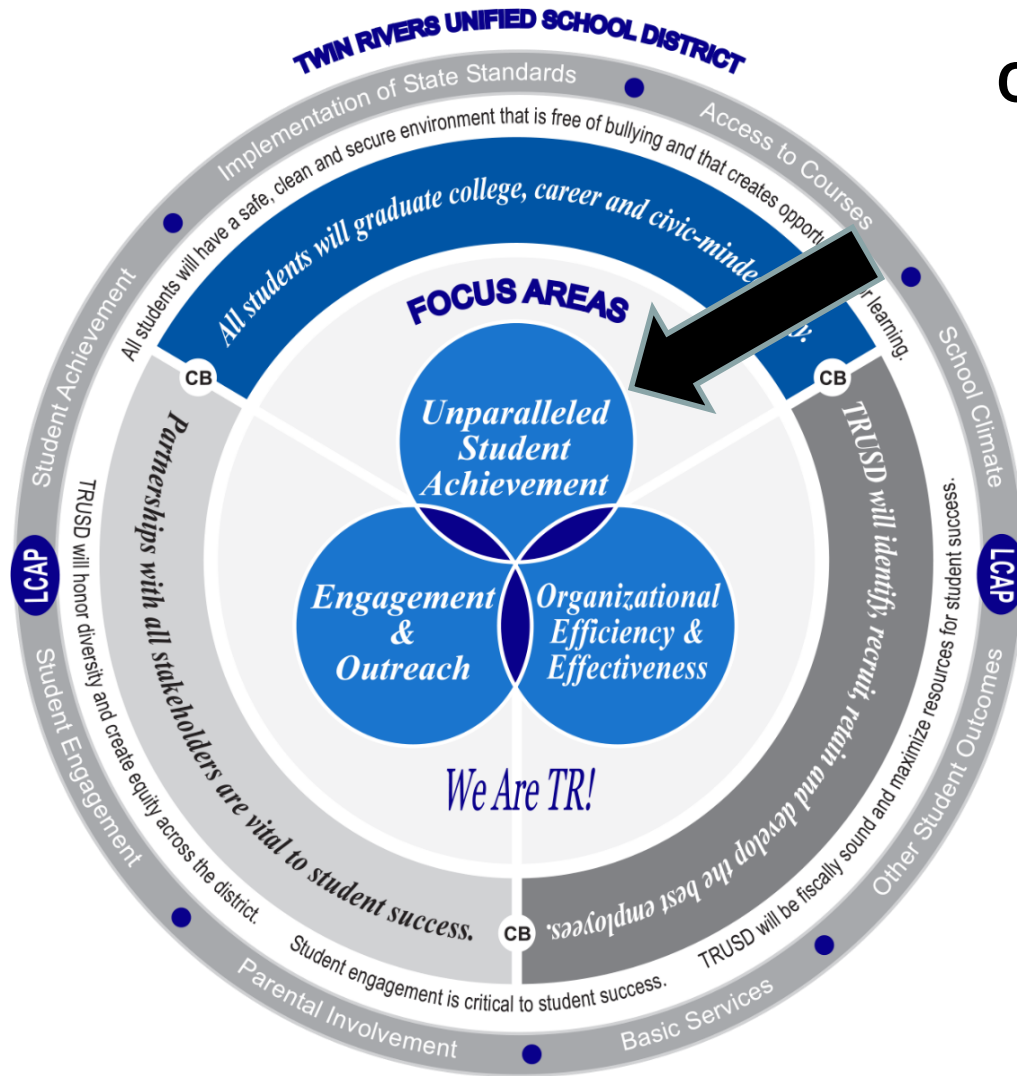
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Cycle of Continuous Improvement



CB: TRUSD Core Beliefs

LCAP: California Local Control Accountability Plan / Eight State Priorities

Purpose of Presentation

The purpose of this presentation is to provide information relative to the recommendation to adopt Amplify as our core Science instructional materials for Transitional Kindergarten through 8th grade, general education and Transitional Academic Programs (TAP).

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Reason For New Materials

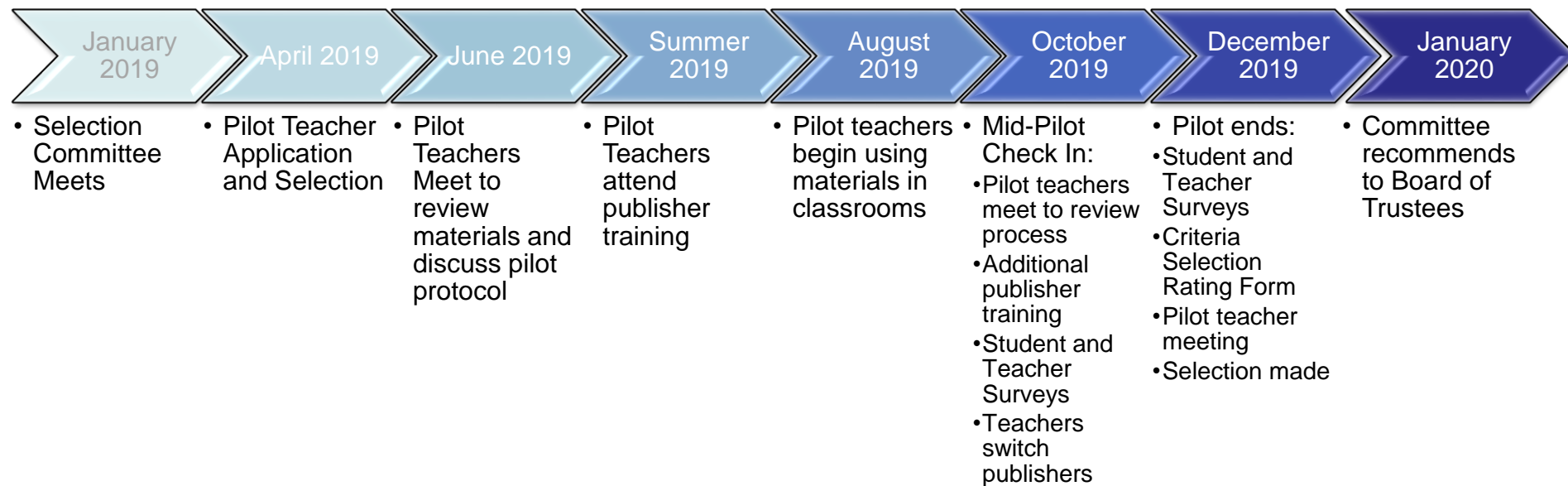


- New science framework
- New Approach and Ideas for Science Education
- New State Test for Science for grades 5,8,11

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Timeline



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Instructional Materials Piloted

TK – 5th Grade

6th – 8th Grades

Amplify

twig
Science

Amplify



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Representation

87 Teachers from across the district including Special Education and bilingual Education teachers:

Allison Elementary

Babcock Elementary

Castori Elementary

Del Paso Heights Elementary

Fairbanks Elementary

Foothill Oaks Elementary

Frontier Elementary

Garden Valley Elementary

Hagginwood Elementary

Hillsdale Elementary

Harmon Johnson Elementary

Hazel Strauch Elementary

F.C. Joyce K-8

Kohler K-8

Madison Elementary

MLK Tech Academy

Norwood Jr. High

Oakdale K-8

Pioneer Elementary

Regency Park Elementary

Ridgepoint Elementary

Rio Linda Prep Academy

Rio Tierra Jr. High

Smythe K-6 & 7-8

Village Elementary

Westside Elementary

Westside Charter

Woodridge Elementary

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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
- Integration of English Literacy and Mathematics
- All Materials Approved by the CA Dept. of Education

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

Title of Program:		
Unit Focus:		
Criteria/Component	Score	Total
Designed for CA NGSS: Foundations		
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		
TOTAL Foundations	SUM =	x 1.25 =
Designed for CA NGSS: Student Work		
SW 1: Phenomena/Problems		
SW 2: Three-Dimensional Conceptual Framework		
SW 3: Prior Knowledge		
SW 4: Metacognitive Abilities		
SW 5: Equitable Learning Opportunities		
TOTAL Student Work	SUM =	x 1.00 =
Designed for CA NGSS: Monitoring Student Progress		
SP1: Monitoring Three-Dimensional Learning and EP&Cs Integration		
SP2: Capturing Student Progress		
SP3: Variety of Measures		
SP4: Accessibility		
SP5: Use of Assessment		
TOTAL Student Progress	SUM =	x 1.00 =
Designed for CA NGSS: Teacher Support		
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		
TOTAL Teacher Support	SUM =	x 1.00 =
Grand Total (out of 100)		

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

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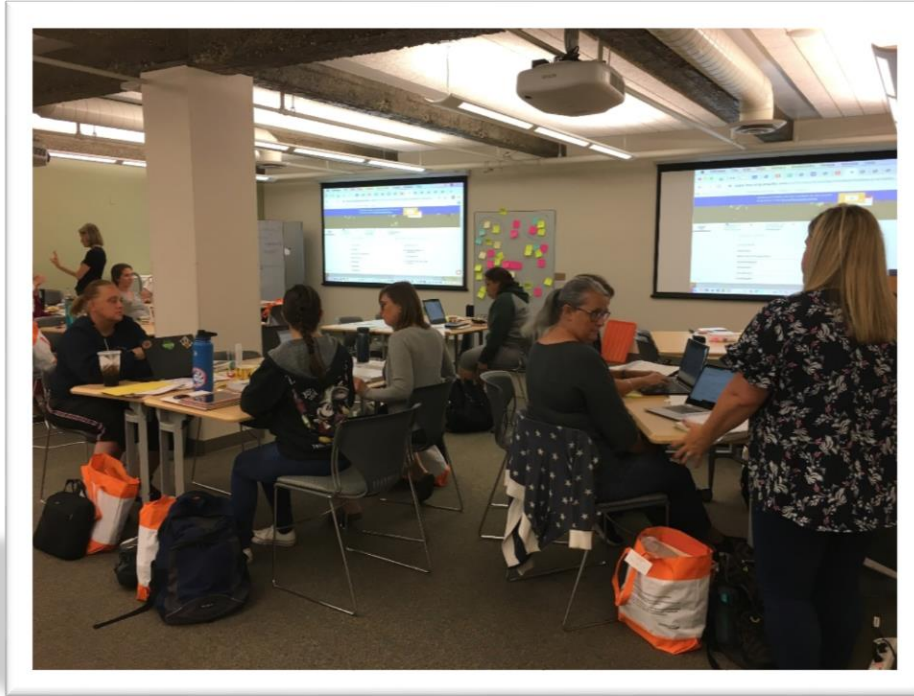
Material Alignment Screening Data

Alignment Criteria	Grades TK - 5			Grades 6-8	
	Amplify	Twig		Amplify	Green Ninja
A. CA NGSS Foundations	25	20		22.5	25
B. Student Work	21	23		21	21
C. Monitoring Student Progress	17	21		19	21
D. Teacher Support	21	25		23	21

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From Training to the Classroom



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Student Feedback

“One thing that I did like about Amplify science is that it gave lots of detail and made us think for ourselves”

7th Grade Student

“What I like about Amplify science is that we got to do a lot of fun science experiments.”

3rd Grade Student

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Pilot Teacher Feedback for Amplify Science

“Right away students were engaging in science investigation, using the language, and stretching their science thinking. Every lesson we did had an engaging activity, whether demonstrating a model, reading with an partner, or getting messy”

5th Grade Teacher, Harmon Johnson

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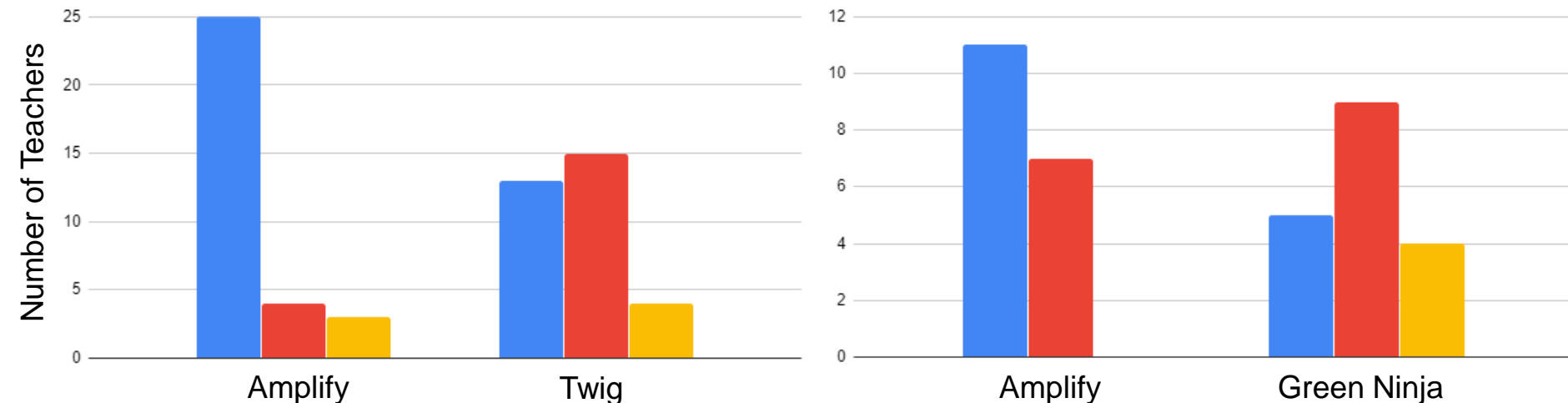





Pilot Teacher Feedback

How well did the program engage your students as scientists as outlined in the Next Generation Science Standards?

TK-5

6-8



-  Strong aspect of the program
-  I can make this aspect work
-  I am concerned with this aspect of the program

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Family and Community Engagement (FACE)

- The Science pilot material was displayed for public viewing beginning October 2019
- Information was presented to families during FACE meeting on October 30, 2019
- Feedback was solicited

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Committee Recommendation



Based on a thorough review of the instructional materials, the selection committee recommends Amplify be adopted as the TK-5th grade and as the 6-8th grade Science instructional materials

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Recommendation to Adopt

Superintendent asks the Board of Trustees to adopt Amplify as the core Science materials for use in all TK-5th grade and 6-8th grade general education and Transitional Academic Program (TAP) classrooms

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Questions?

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