



PARAMOUNT UNIFIED SCHOOL DISTRICT

GREAT THINGS ARE HAPPENING IN PARAMOUNT SCHOOLS

Next Generation Science Standards: K-5 Planning and Implementation



Study Session - September 16, 2019

Dr. Ruth Pérez, Superintendent

Deborah Stark, Assistant Superintendent, Educational Services

Kelly Morales, Facilitator of Instructional Improvement



Purpose of Presentation

- Revisit information on the Next Generation Science Standards.
- Review the process for evaluating and recommending new science textbooks and materials for implementation in elementary schools in 2020-21.



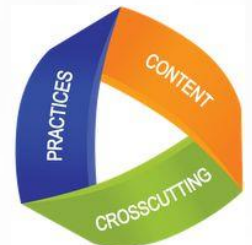
What are the Next Generation Science Standards (NGSS)?

The new standards integrate three dimensions of science:

Science and Engineering Practices: Behaviors for investigating and building.

Disciplinary Core Ideas: Key concepts specific to the course content.

Crosscutting Concepts: Concepts that link various science domains.





Why Next Generation Science Standards (NGSS)?

- Are written to address the science expectations of high performing countries to ensure our students can compete in the global economy.
- Prepare students to pursue career opportunities in science and engineering-related fields in the 21st century.
- Include critical thinking and communication skills needed for rapid advancements in science and technology.



K-5 Implementation Timeline

2018-2019

NGSS Awareness
professional
development for
teachers

Science lead teacher
monthly meetings

NGSS-aligned science
lessons for grades K-5

CA Science Test (CAST)
is operational in
grade 5

2019-2020

Science lead teacher
monthly meetings

NGSS-aligned science
lessons for grades K-5

Select and
recommend textbooks
that align to NGSS

Early implementation
of materials with lead
teachers

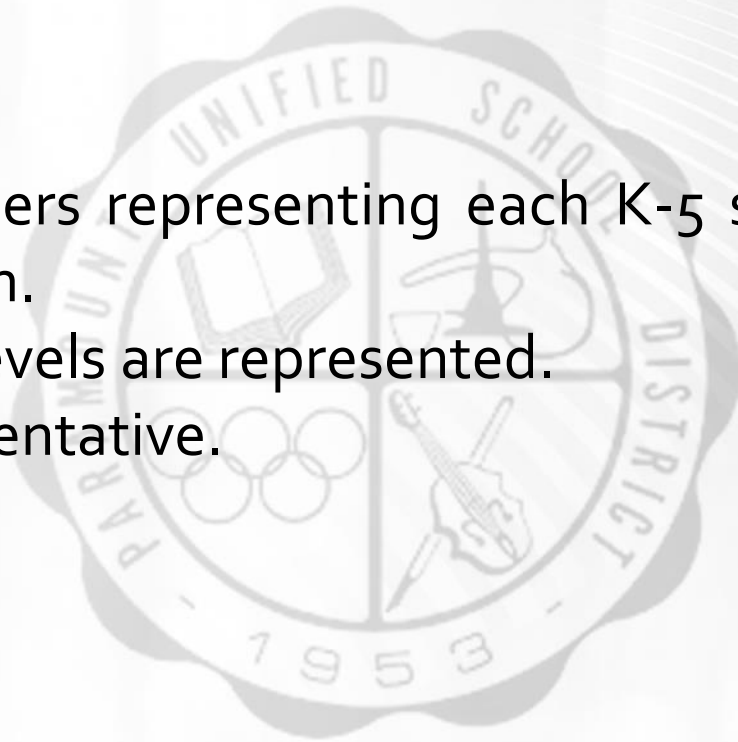
Summer 2020

Provide professional
development in NGSS
instructional shifts and
the new textbook
program

Develop instructional
guides for grades K-5

Who participates on the K-5 Science Textbook Adoption Committee?

- Lead teachers representing each K-5 school, Hollydale and Jackson.
- All grade-levels are represented.
- TAP representative.



K-5 Science Textbook Adoption Committee

Member	Assignment	School
Caballero, Esperanza	3 rd grade	Roosevelt
Carroll, Caitlin	1 st grade	Collins
Castellanos, Roscio	Kindergarten	Mokler
Choung, Becky	2 nd /3 rd SDC	Jefferson
Contreras, Josephine	Assistant Principal	Hollydale
Covarrubias, Kellie	TAP, 4 th grade	Tanner
Gutierrez, Maria	5 th grade	Los Cerritos
Guzman, Irma	1 st grade	Tanner
Hatch, Carrie	4 th -5 th grade	Hollydale
Hazlewood, Mickie	4 th grade	Lincoln
Loza, Oscar	1 st grade	Mokler
Maberry, Amanda	4 th grade	Tanner
McCarthy, Andrea	1 st grade	Keppel
Menser, Crystal	Kindergarten	Gaines
Moor, Susan	Kindergarten	Hollydale
Munoz, Gilbert	2 nd grade	Keppel
Pogue, Melody	5 th grade	Collins
Poole, Yvonne	3 rd grade	Gaines
Siders, Caitlin	5 th grade	Jackson
Thompson, Christine	3 rd grade	Wirtz
Uribe, Janet	4 th grade	Jefferson
Varela, Eric	5 th grade	Roosevelt

2019-20 Meeting Dates and Topics

Date	Topic
<ul style="list-style-type: none"> September 17 	<ul style="list-style-type: none"> Understand role of phenomena and constructing scientific explanations Role and responsibility of committee
<ul style="list-style-type: none"> October 1 	<ul style="list-style-type: none"> Revisit 5E model for science learning
<ul style="list-style-type: none"> October 15 	<ul style="list-style-type: none"> U P
<ul style="list-style-type: none"> October 29 	<ul style="list-style-type: none"> R
<ul style="list-style-type: none"> November 13 	<ul style="list-style-type: none"> R
<ul style="list-style-type: none"> November 19 	<ul style="list-style-type: none"> R
<ul style="list-style-type: none"> December 3 	<ul style="list-style-type: none"> C R
<ul style="list-style-type: none"> January 	<ul style="list-style-type: none"> P r
<ul style="list-style-type: none"> February 25 	<ul style="list-style-type: none"> E p
<ul style="list-style-type: none"> April 7 	<ul style="list-style-type: none"> Solicit feedback on lessons; input on curriculum guides and summer professional development

Discovery Education
 Houghton Mifflin
 McGraw Hill
 National Geographic
 Pearson Education
 Twig
 Carolina Biological Supply
 Teacher's Curriculum Institute



PARAMOUNT UNIFIED SCHOOL DISTRICT

PREPARING STUDENTS FOR COLLEGE AND CAREERS

2018-2019

NGSS Awareness professional development for teachers

Science lead teacher monthly meetings

NGSS-aligned science lessons for grades K-5

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2019-2020

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Summer 2020

Provide professional development in NGSS instructional shifts and the new textbook program

Create curriculum guides for grades K-5



NGSS: A new vision for science instruction



PARAMOUNT UNIFIED SCHOOL DISTRICT



The mission of the Paramount Unified School District is to ensure learning and success for each student by providing a quality education.