

**MINUTES
REGULAR MEETING OF THE BOARD OF EDUCATION
RIALTO UNIFIED SCHOOL DISTRICT
DR. JOHN R. KAZALUNAS EDUCATION CENTER
182 EAST WALNUT AVENUE, RIALTO, CA 92376**

February 22, 2017

A. OPENING

CALL TO ORDER AND ROLL CALL

The regular meeting of the Board of Education of the Rialto Unified School District was called to order at 5:02 p.m. by President Walker at the Dr. John R. Kazalunas Education Center, 182 East Walnut Avenue, Rialto, CA 92376.

Members present: Dina Walker, President; Joseph W. Martinez, Vice President; Edgar Montes, Clerk; Joseph Ayala, Member; and Nancy G. O'Kelley.

Administrators present: Cuauhtémoc Avila, Ed.D., Superintendent; Mohammad Z. Islam, Associate Superintendent, Business Services; Jinane Annous, Ed.D., Lead Innovation Agent; Education Services; Rhea McIver Gibbs, Lead Personnel Agent, Personnel Services; and Rhonda Kramer, Senior Director, Personnel Services. Also present was Rosie Williams, Executive Secretary.

OPEN SESSION

1. Comments on Closed Session Agenda Items. Any person wishing to speak on any item on the Closed Session Agenda will be granted three minutes.

There were no comments.

CLOSED SESSION

Upon a motion by Clerk Montes, seconded by Member O'Kelley, and approved by a 5-0 vote, the Board of Education entered into Closed Session at 5:04 p.m. to consider and discuss the following items:

1. Public Employee Employment/Discipline/Dismissal/Release/Reassignment of Employees (Government Code section 54957)

Administrative Appointment:

- Middle School Assistant Principal

2. Student Expulsions/Reinstatements/Expulsion Enrollments

3. **CONFERENCE WITH LABOR NEGOTIATORS**

Agency designated representatives: Cuauhtémoc Avila, Ed.D., Superintendent, Rhea McIver Gibbs, Lead Personnel Agent, Personnel Services, and Rhonda Kramer, Senior Director, Personnel Services.

Employee organizations: California School Employees Association, Chapter 203 (CSEA), Rialto Education Association (REA), Communications Workers of America (CWA)

4. **CONFERENCE WITH LEGAL COUNSEL – Existing Litigation (Gov. Code § 54956.9(a)):**

Rialto Unified School District v. Project Management and Integration Service, LLC (Case No. CIVDS1518115)

Rialto Unified School District v. Educational Consulting Services, Inc., et al. (Case No. CIVDS1518116)

ADJOURNMENT OF CLOSED SESSION

Upon a motion by Clerk Montes, seconded by Member Ayala, and passed by a unanimous 5-0 vote, Closed Session adjourned at 7:03 p.m.

OPEN SESSION RECONVENED – 7:03 P.M.

Members present: Dina Walker, President; Joseph W. Martinez, Vice President; Edgar Montes, Clerk; Joseph Ayala, Member; and Nancy G. O'Kelley, Member.

Administrators present: Cuauhtémoc Avila, Ed.D., Superintendent; Mohammad Z. Islam, Associate Superintendent, Business Services; Jinane Annous, Ed.D., Lead Innovation Agent, Education Services; and Rhea McIver Gibbs, Lead Personnel Agent, Personnel Services. Also present was Rosie Williams, Executive Secretary, and Jose M. Reyes, Interpreter.

PLEDGE OF ALLEGIANCE

Sandra Morales, 7th grade Rialto Middle School student, led the Pledge of Allegiance.

PRESENTATION BY RIALTO MIDDLE SCHOOL

The Rialto Royalz Dance Team, which consists of Rialto Middle School 7th grade students: Da'liyah Ashley, Valerie Dells, Angelica Gonzales, and Gisele Jackson performed a hip-hop dance.

REPORT OUT OF CLOSED SESSION

Superintendent Avila reported that in Closed Session the Board of Education, by a unanimous 5-0 vote, took the following action:

- Imposed a ten (10) day unpaid suspension on Classified Employee #1395927.

ADOPTION OF AGENDA

President Walker stated before the Agenda is adopted, the Board would like to pull the following item from page (Ref. J 2.2) of the Agenda:

PLACE ON THE 39-MONTH REEMPLOYMENT LIST

Keehmer, Jane Instructional Technology Asst. 02/23/2017
Kolb Middle School

Upon a motion by Clerk Montes, seconded by Member O'Kelley, the Agenda was adopted, by a unanimous 5-0 vote by the Board of Education.

A second vote was taken to approve the Agenda as amended. Upon a motion by Member Ayala, seconded by Vice President Martinez, the Agenda was adopted, as amended, by Student Board Member Collier's preferential vote, and a unanimous 5-0 vote by the Board of Education.

B. PRESENTATIONS

1. Middle School – District Student Advisory Committee (DSAC) Presentation

The following DSAC students shared information on activities held at their schools:

Gino Rhoten – Kolb Middle School
Destiny Lopez – Rialto Middle School
Christian Flores – Jehue Middle School

2. REA/CSEA/RSMA "Employees of the Quarter"

Member Ayala presented LaShon Tilmon, Carter High School Digital Media, Web Page Design, and On Campus Intervention teacher, with a Certificate of Recognition for earning the REA "Employee of the Quarter" award.

Vice President Martinez presented Christopher "Scott" Ritchie, Mechanic II, with a Certificate of Recognition for earning the CSEA "Employee of the Quarter" award.

Clerk Montes presented Joseph Tomaselli, Assistant Principal at Fitzgerald and Henry Elementary Schools, with a Certificate of Recognition for earning the RSMA "Employee of the Quarter" award.

3. Presentation of the Next Generation Science Standards (NGSS) by Jinane Annous, Ed.D., and Edward D'Souza, Ph.D.

Dr. Edward D'Souza conducted a PowerPoint presentation on an introduction to the NGSS. The PowerPoint presentation is attached, see pages (Ref. E 1.11) – (Ref. E 1.24).

4. Measure Y 2010 General Obligation Bonds Financial and Performance Audit Report for the year ended June 30, 2016, presented by Ms. Paula Bailey, Chairperson of the Measure Y Citizens' Oversight Committee.

Ms. Paula Bailey, Chairperson of the Measure Y Citizens' Oversight Committee, provided information regarding the Audit Report conducted by Vicente, Lloyd & Stutzman, LLP, stating Auditors verified that funds from Measure Y were spent on authorized bond projects.

C. COMMENTS

1. Public Comments from the Floor: At this time, any person wishing to speak on any item not on the Agenda will be granted three minutes.

Mr. Louis Figueroa, Rialto World Soccer Academy, thanked the Board for helping them provide services to people in the community. He stated that the children in the community who practice the game of soccer in the District have something special to thank all the people who have helped. At the next Board meeting, with the Board's permission, he would like to bring members of the community to recognize the following people: Arnie Ayala, Joe Baca, Frank Garza, Monique Conway, Mohammad Islam, Karen Smith, Carolyn Eide, Iris Chu, George Palma, Louise Lujan, Cheryl Decker, Clerk Montes, Vice President Martinez, Member O'Kelley, and Member Ayala.

2. Public Comments on Agenda Items: Any person wishing to speak on any item on the Agenda will be granted three minutes.

There were no comments.

3. Comments from Association Executive Board Members: Rialto Education Association (REA), California School Employees Association (CSEA), Communications Workers of America (CWA). Rialto School Managers Association (RSMA)

Lisa Lindberg, REA President, stated that the Board may hear from teachers concerned about Dr. D'Souza's presentation and what is being planned. She shared that REA gave out \$1,400 worth of mini grants to various schools for Read Across America. She also shared that REA is sending 30 teachers to conferences in March.

Ron Fletcher, CWA President, stated he would love to see the District provide more training for substitutes. He also would love to see substitutes included in the "Employee of the Quarter" award. He shared that the CWA Reopener is on the Agenda and anticipated that negotiations will go quickly.

Connie Richardson, RSMA President, invited the Board to attend an event from 4:00 - 5:30 p.m. on Thursday, February 23, 2017, at the PDC conference room with Sherman Barnett, who heads Child, Welfare, and Attendance for San Bernardino County. He will be speaking on the benefits of being an ACSA member and also on a lot of the new legislative updates that have come out recently and impact administrators, managers and educators. RSMA also started working on their scholarships for high school students. Lastly, she congratulated all the "Employees of the Quarter."

4. Comments from the Superintendent
5. Comments from Members of the Board of Education

D. PUBLIC HEARING

PUBLIC INFORMATION

1. Williams Inspections – 2016-2017 Second Quarterly Report.

Upon a motion by Clerk Montes, seconded by Vice President Martinez, Public Hearing was opened at 9:03 p.m. by a unanimous 5-0 vote by the Board of Education.

1. Public Hearing: Pursuant to the requirements of Government Code and Board Policy, the initial contract reopener for the 2017-2018 school year submitted by the Communications Workers of America (CWA), for an agreement between the Communication Workers of America (CWA) and

the Rialto Unified School District, Board of Education, is hereby posted in compliance with the legislative requirements for public notice.

Upon a motion by Member Ayala, seconded by Clerk Montes, Public Hearing was closed at 9:04 p.m. by a unanimous 5-0 vote by the Board of Education.

CONSENT CALENDAR ITEMS

Vice President Martinez motioned to approve Items E – J, it was seconded by Clerk Montes (no vote was taken). Member O’Kelley asked to pull items (Ref. H 10.1) and (Ref. H 12.1) to be discussed and voted on separately.

Upon a motion by Clerk Montes, seconded by Member Ayala, Items E – H9, H11, and H13 - J were approved by a unanimous 5-0 vote by the Board of Education.

Upon a motion by Clerk Montes, seconded by Member Ayala, Items H10 and H12 were approved by a unanimous 5-0 vote by the Board of Education

E. MINUTES

1. Approve the minutes of the Regular Board of Education meeting held February 8, 2017.

F. GENERAL FUNCTIONS CONSENT ITEMS

1. Second reading of revised Board Policy 3311(a-d); Business and Noninstructional Operations: Bids.
2. Second reading of new Board Policy 3311.1(a-b); Business and Noninstructional Operations: Uniform Public Construction Cost Accounting Procedures.
3. Second reading of revised Board Policy 5131.2(a-f); Students: Bullying.
4. Second reading of new Board Policy 5144.4(a-b); Students: Required Parental Attendance.
5. Second reading of revised Board Policy 6177(a-f); Instruction: School Learning Programs.

G. INSTRUCTION CONSENT ITEMS

1. Ratify the approval of the recommendation made by the Senior Director, Student Services, to grant an exemption from all physical activities for Student No. 78118 for the second semester of the 2016-2017 school year.

H. BUSINESS AND FINANCIAL CONSENT ITEMS

1. Approve Warrant Listing Register and Purchase Order Listing for all funds from January 23, 2017 through February 6, 2017, (sent under separate cover to Board Members). A copy for public review will be available at the Board Meeting.
2. Accept the donations from The Way Bible Fellowship, Box Tops for Education, Lifetouch National School Studios, Dollar Tree, and Boston's Restaurant, and request that a letter of appreciation is sent to the donors.
3. Approve the Affiliation Agreements for Career Technical Education Externship programs at: Clinica Medica Familiar (2 clinics), Lizarraga Medical Center, Inv., Rialto Clinica Medica Familiar, and Dr. Yousuf Sadiq, effective February 23, 2017 through June 30, 2020, at no cost to the District.
4. Approve an agreement with FranklinCovey Education to provide coaching support with the implementation of The Leader in Me® ("TLIM") at Dollahan Elementary School effective February 23, 2017 through February 23, 2018, at a total cost not-to-exceed \$5,100.00 (\$3,900.00 coaching agreement; \$1,200.00 travel expenses), to be paid from site Title I Funds.
5. Approve the use of the piggyback bid from Savanna School District, Project No. SSPU #40-09/2016-17 with Elite Modular Leasing & Sales, Inc., per Public Contract Code 20118, for purchase and/or lease of portable buildings, as needed, to be paid from the General Fund and/or Fund 25, Capital Facilities Fund.
6. Approve an agreement with Heider Inspection Group to provide soil tests, structural tests, and special inspection services for Phase 2 of the District-wide Solar Energy Project at Kolb, Frisbie, and Jehue Middle Schools and Rialto High School for a not-to-exceed amount of \$46,808.00, to be paid from the General Fund and to be reimbursed by SunEdison and its joint financial partner Onyx Renewable Partners L.P., per agreement, at the end of the project.
7. Approve an agreement with Ludwig Engineering Associates, Inc., for engineering services required to support the District in the management of the construction for the improvement of pedestrian safety to the Werner Elementary School project, effective February 23, 2017 through June 30, 2017. The total cost is not-to-exceed \$5,900.00, to be paid from Fund 40, Special Reserve Fund.

8. Approve the Grant of Easement requested by Southern California Edison Company (SCE), documented on February 2, 2017, to facilitate access, operation, and maintenance of Southern California Edison's systems to furnish electrical and communication services to the District's Compressed Natural Gas (CNG) Station and Transportation Yard, at 261 S. Lilac Avenue, Rialto, California, at no cost to the District.
9. Approve Amendment No. 1 to the agreement with Miller Architectural Corporation for additional services required for one Portable Classroom with the Portable Restroom Project at Bemis Elementary School. The total cost is not-to-exceed \$33,945.00, to be paid from Fund 25, Capital Facilities Fund.
10. Approve Amendment No. 2 to the agreement with The Cambrian Group to provide training on Mutual Commitments and Exceptions, on February 23 and 24, 2017, not-to-exceed \$12,000.00, increasing the contract from \$165,152.31 to \$177,152.31, to be paid from the Educator Effectiveness Fund.
11. Approve the following school-connected organizations for the 2016-2017 school year: Carter High School Cheer Booster Club, Carter High School Baseball Booster Club, and Carter High School Volleyball Booster Club.
12. Approve Amendment No. 1 with CHJ Consultants, Inc., for additional services required for special inspection and testing to complete the Compressed Natural Gas (CNG) Fueling Station project. The total adjusted cost is not-to-exceed \$63,261.00, to be paid from Fund 40, Special Reserve Fund.
13. Approve the agreement with Ludwig Engineering Associates, Inc., to provide civil engineering services for preparing the master plan (Phase 1) for the improvement of the south parking lot at Eisenhower High School. The proposed engineering service fees are based on time and material expenses for a total cost not-to-exceed \$9,960.00, to be paid from Fund 21, Measure Y, Series "C", General Obligation Bond Funds.

I. FACILITIES PLANNING CONSENT ITEMS - None

J. PERSONNEL SERVICES CONSENT ITEMS

- 1-3. Approve Personnel Report No. 1168 for classified and certificated employees.
4. Adopt Resolution No. 16-17-22, Non-reelection of Certificated Probationary Employees.

K. DISCUSSION/ACTION ITEMS

Upon a motion by Member O'Kelley, seconded by Member Ayala, Item K1 was approved by a unanimous 5-0 vote by the Board of Education.

1. Approve an agreement with Knowland Construction Services to provide Division of the State Architect inspection services for the District-wide Solar Energy Project Phase 2 at Kolb, Frisbie, and Jehue Middle Schools, and Rialto High School, for a total not-to-exceed \$66,640.00. Overtime and Saturday services will be paid at one and one-half times the normal rate, and Sunday services will be billed at two times the normal rate to be paid from the General Fund and reimbursed by SunEdison and its joint financial partner Onyx Renewable Partners L.P., per agreement, at the end of the project.

Upon a motion by Member O'Kelley, seconded by Vice President Martinez, Item K2 was approved by a unanimous 5-0 vote by the Board of Education.

2. Approve changing the Wednesday, March 15, 2017, Board of Education meeting to Wednesday, March 1, 2017.

Upon a motion by Vice President Martinez, seconded by Member Ayala, Item K3 was approved as indicated by a unanimous 5-0 vote by the Board of Education.

3. The Rialto Unified School District Board of Education votes for the following as Delegate(s) to the California School Boards Association Delegate Assembly:

Candidates: *(Vote for no more than six candidates)*
**denotes incumbent*

- Christina Cameron-Otero (Needles USD)*
- Tommy Courtney (Lucerne Valley USD)*
- Michael C. Flores (Ontario-Montclair SD)
- Margaret Hill (San Bernardino City USD)*
- Wilson F. So (Apple Valley USD)*
- Gabriel L. Stine (Victor ESD)
- Eric Swanson (Hesperia USD)*
- Mondri M. Taylor (Etiwanda SD)
- Kathy A. Thompson (Central SD)*
- Charles J. Uhalley (Chaffey Jt. Un. HSD)*

Upon a motion by Member O'Kelley, seconded by Clerk Montes, Item K4 was approved by a unanimous 5-0 vote by the Board of Education.

4. Approve the recommendations of the Administrative Hearing Panel (AHP):

ADMINISTRATIVE HEARING

Case Number:
16-17-32

STIPULATED:

Case Numbers:
16-17-29
16-17-33

L. ADJOURNMENT

Upon a motion by Member O'Kelley, seconded by Clerk Montes, and approved by a unanimous 5-0 vote by the Board of Education, the meeting was adjourned at 9:30 p.m.


Clerk, Board of Education


Secretary, Board of Education

Rialto Unified School District's Blueprint for Science for the Next Generation

An Introduction to the Next Generation Science Standards (NGSS)



Goals of This Session

- Define how *Rialto USD's Strategic Plan* has been used to guide reform in science
- Describe the *architecture* of the NGSS Standards
- Share NGSS *progress*
 - Elementary Schools
 - Middle Schools
- Outline NGSS work for high school implementation
 - Analyzing data
 - Articulating *the plan moving forward*



Our Mission

The mission of the Rialto Unified School District, the **bridge** that connects **students to their future aspirations**, is to **ensure each student achieves personal and career fulfillment** within a global society, through a vital system distinguished by:

- ❖ **High expectations for student achievement**
- ❖ **Safe and engaging learning environments**
- ❖ **Effective family and community involvement**
- ❖ **Learning opportunities** beyond the traditional school setting
- ❖ **Appreciation of cultural diversity**

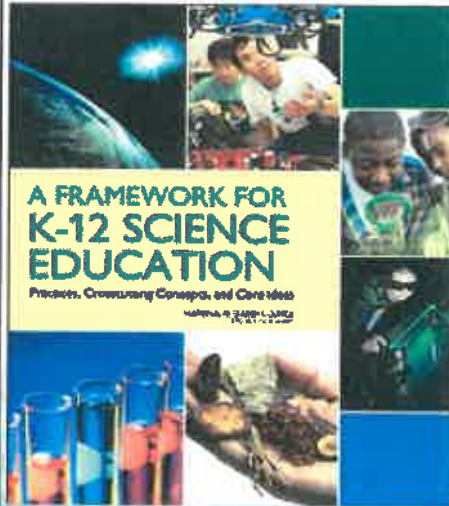


In Science, we will:

- make all decisions in the **best interest of students**
- honor the **worth and dignity** of each person
- hold the **highest expectations of everyone**
- assert the unlimited potential of **every student**
- practice **participatory decision-making** throughout the district
- **not allow the past to determine our future**



These Standards are Different



Based on Years of Research

Adopted purely on Merit

Outline a New Vision for Teaching and Learning

- Science for ALL Students
- Coherent Learning



Conceptual Shifts

SCIENCE IS REAL AND RELEVANT FOR EVERYONE

K-12 science education should **reflect the interconnected nature of science** as it is practiced and experienced in the real world.

The science concepts **build coherently from K-12.**

The NGSS are designed to prepare students for **college, career, and citizenship.**

*The NGSS and Common Core State Standards (Mathematics and English Language Arts) are **aligned.**



How the Philosophy is Different



- Prepare **ALL** students for college, career and citizenship
- Science, engineering and technology are:
 - cultural achievements
 - shared good of humankind
 - permeate modern life
- Understanding of science and engineering is **critical to participation in public policy and good decision-making**



How the Standards are Different

Past 7th Grade Life Science CA Standard

- *Students know* plants and animals have levels of organization for structure and function, including cells, tissues, organs, organ systems and whole organism.

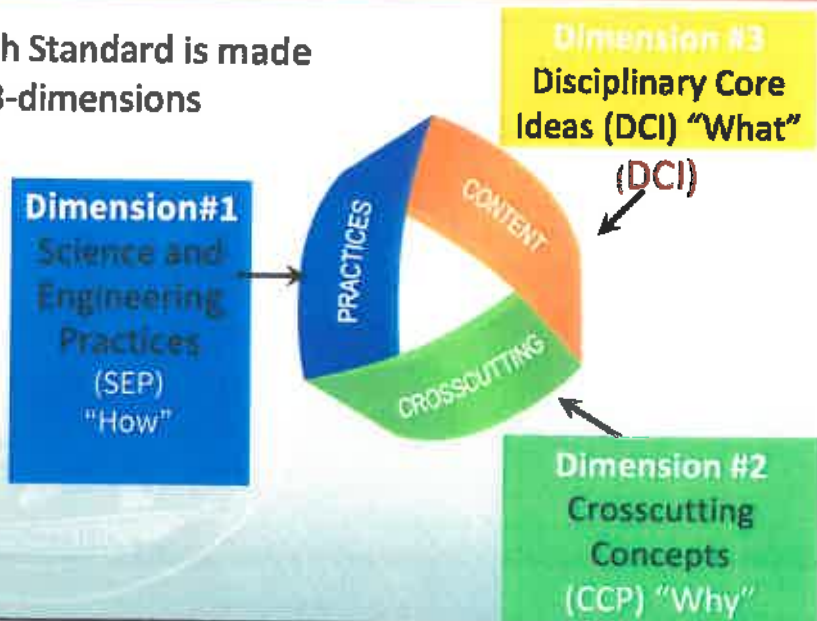
Current Middle Grades CA NGSS Adopted Standard

- *Use argument supported by evidence* for how the body is a system of interacting subsystems composed of groups of cells.



3-Dimensional Learning


Each Standard is made of 3-dimensions



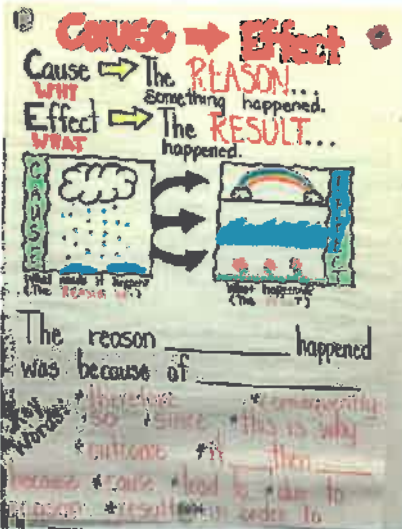
Dimension 1: Science and Engineering Practices (SEP)

1. Asking questions (science) and defining problems (engineering)
2. Developing and using models
3. Planning and carrying out investigations
4. Analyzing and interpreting data
5. Using mathematics and computational thinking
6. Constructing explanations (science) and designing solutions (engineering)
7. Engaging in argument from evidence
8. Obtaining, evaluating, and communicating information



	8-8	9-5	9-7	9-11
PS4 A Structure of matter (includes PS1.C Matter systems)	Most matter is different substances that have observable different properties. Different properties are used to different purposes. Objects can be built up from smaller parts.	Because matter takes on particles that are too small to see, matter is always conserved even if it seems to disappear. Measurement of a variety of observable properties can be used to identify particular materials.	The fact that matter is composed of atoms and molecules can be used to explain the properties of substances, changes of state, rates of reaction, phase changes, and conservation of matter.	The particulate structural model and intermolecular forces models changes in state can be used to explain the structure and interactions of matter, including chemical reactions and nuclear processes. Repeating patterns of the particulate model predict patterns of matter domains. A stable molecule has less energy than the sum of its atoms separated; one must provide at least this energy to take the molecule apart.
Greater sophistication 				
Practices and Supporting Practices	8-8 Crosscutting Concepts	9-5 Crosscutting Concepts	9-7 Crosscutting Concepts	9-11 Crosscutting Concepts
<p>Asking questions and defining problems</p> <p>A practice of science is to ask scientific questions that lead to hypotheses and predictions of how the natural and designed world works and which can be empirically tested.</p> <p>Engaged students start questions to identify what is known and identify questions to drive progress about the phenomenon.</p> <p>High school and beyond also ask questions to clarify aims.</p>	<p>Asking questions and defining problems in 8-8 builds on prior experiences and progresses to clearly describing variables that can be tested.</p> <p>All questions based on observations to find more information about the natural world or designed systems.</p>	<p>Asking questions and defining problems in 9-5 builds on 8-8 experiences and progresses to specifying qualitative relationships.</p> <p>All questions about what would happen if a variable is changed.</p>	<p>Asking questions and defining problems in 9-7 builds on 8-8 experiences and progresses to specifying relationships between variables, clearly specifying and testing.</p> <p>All questions</p> <p>Students have created simulations of phenomena, models or conceptual models, to clarify whether such a model is realistic.</p> <p>It is likely to be a study of a system, to a degree that is not possible to study in real life, to study the system, or an engineering problem.</p>	<p>Asking questions and defining problems in 9-11 builds on 8-8 experiences and progresses to identifying relationships between variables, clearly specifying and testing.</p> <p>All questions</p> <p>That data from model observations of phenomena, conceptual models, to study and/or such a model is realistic.</p> <p>That data from engineering models or a study, to study such a model is realistic.</p> <p>Relationships and relationships in systems relationships, including quantitative relationships, between relationships and observations, to study the effect of a model, an engineering, or an engineering problem.</p>

Dimension 2: Crosscutting Concepts (CCC)



1. Patterns
2. Cause and Effect
3. Scale, Proportion, and Quantity
4. Systems and System Models
5. Energy and Matter
6. Structure and Function
7. Stability and Change

(Ref. E 1.16)

ELEMENTARY SCHOOL SCIENCE PROGRESS



ELEMENTARY SCHOOL SCIENCE: COMMON LABS

Kindergarten
Designing a container
Use scientific observations about your system.

My group put on ice cube

2nd Grade
Seed Dispersal
Imagine.

What if you are a parent plant. What can we design that would make a seed that would use wind for its success?

Draw your own plan to build. Label your materials.

3rd Grade
Role Poly Bugs

*Grade 3 NGSS Science Lab
Enduring Understanding*

Student Directions:

Your assignment:

You have been invited to our Home-Community Garden. Help us to provide information for the plants in the garden. Study poly bugs evidence of the evidence that we in our garden and provide evidence. Your task is to study what they only bring the food and the habitat they prefer.

Steps you will be following:

Plan and conduct your experiment, you will do this over the week for your group. **Work with your group.**

By 3rd Grade 3rd Grade 3rd Grade 3rd Grade 3rd Grade

4th Grade
Devising A Communication Device
Communicating Information

Your students are responsible for information about looking at the world and how they see it. This device will help to show information.

1) In your group, you will work together to develop a model that you can use to see. Your and that device that you will use.

5th Grade
Communication Device

5	
4	
3	
2	
1	

Number of days your device was picked up

6th Grade
Hypoxia

Setting the Scene:

The National Aeronautics and Space Administration (NASA) is developing the capabilities needed to send humans to the planet Mars. Your team is responsible for determining how best to grow plants hydroponically as food for the astronauts.

Your assignment:

You will work in teams, as NASA plans spacecraft, to conduct an experiment that supports NASA's planned mission to Mars. Your team is responsible for determining how best to grow plants hydroponically as food for the astronauts.

To do this you must design an experiment to determine how best to grow plants without using soil, collect data about growing conditions under different conditions, and then compare the results from different groups.

- Developed 3 Dim Pacing Guides
- Developed Common Assessments Aligned to ELA Pacing Guides

MIDDLE SCHOOL SCIENCE PROGRESS



MIDDLE SCHOOL SCIENCE: PROGRESS

Quarter 1 (August 8 th - September 20 th)	Quarter 2 (October 3 rd - December 15 th)
<p>Unit 1: Matter and Energy</p> <ul style="list-style-type: none"> • Matter and Energy • Matter and Energy • Matter and Energy 	<p>Unit 2: Earth and Space</p> <ul style="list-style-type: none"> • Earth and Space • Earth and Space • Earth and Space
<p>Quarter 3 (January 10th - March 15th)</p> <ul style="list-style-type: none"> • Life and Earth Science • Life and Earth Science • Life and Earth Science 	<p>Quarter 4 (March 27th - May 20th)</p> <ul style="list-style-type: none"> • Life and Earth Science • Life and Earth Science • Life and Earth Science

- Integrated Science 6-8
- Common Scope & Sequence created and used
- Common Labs have replaced Benchmark Assessments 6-8
- Teacher created digital textbooks CK-12 (free online resources)

(Ref. E 1.19)

HIGH SCHOOL SCIENCE: GOALS



Make High School Science *Fun* and *Engaging*

Make *All Standards* accessible to *All Students* and increase *college* and *career* readiness.



HIGH SCHOOL SCIENCE: ANALYZING THE DATA

With 97% grade mastery high school course placement by year and high school

Year	Grade 9	Grade 10	Grade 11	Grade 12
2014-15	95%	92%	88%	85%
2015-16	96%	93%	89%	86%
2016-17	97%	94%	90%	87%
2017-18	98%	95%	91%	88%
2018-19	99%	96%	92%	89%
2019-20	99%	96%	92%	89%

RJSD High School Grades by Science Courses, Quarter and Overall -2015-2018

Course/Quarter	2014-15		2015-16		% Change
	n	% of total grades	n	% of total grades	
Biology P	1860	84%	1880	83%	-4%
Biology HP	340	87%	480	89%	1%
Chemistry P	375	88%	320	86%	-1%
Chemistry HP	287	87%	312	81%	-4%
Earth Science P	1268	86%	1178	85%	-2%
Physics P	380	81%	380	80%	-2%
Bi or Botany	1885	80%	1880	83%	3%
Biology HP	450	87%	480	89%	1%
Chemistry P	375	88%	320	86%	-1%
Chemistry HP	327	87%	312	86%	-1%
Earth Science P	1333	85%	1178	83%	-7%
Physics P	388	81%	380	87%	3%

External Evaluation of our data suggests:

- Currently 70-95% of students are not on a path that leads to College Readiness.
- Most students that are placed in a college path succeed at that path.
- Current courses are keeping many students from attaining college readiness.



HIGH SCHOOL SCIENCE: MOVING FORWARD

Facts to consider:

- ✓ All science courses will have new standards and need to be re-written and re-submitted to UCOP for approval
- ✓ California has given options for “bundling” High School Performance Expectations
 - Current 4-Course
 - 3-Course Earth Science Embedded
 - Every Science, Every Year
- ✓ The new CaST assessment will test ALL standards
- ✓ New API/AYP will include college and career readiness metrics

Questions to consider:

- ◆ **How can we build on progress K-8?**
- ◆ **How can we utilize NGSS as an opportunity for more students to attain college and career readiness?**



HIGH SCHOOL SCIENCE: MOVING FORWARD



Current 4-courses model: Earth, Biology, Chemistry, Physics

- Has left many students non-college ready
- Does not promote student voice and choice
- Will leave students underprepared for CaST

After much debate and discussion, we will no longer offer this sequence.



HIGH SCHOOL SCIENCE: MOVING FORWARD



3-courses models provide:

- Multiple entry and exit points for all students
- Allow options and flexibility
- Opportunities to more authentically explore authentic phenomena

Most Familiar Sequence: Biology & Earth, Chemistry & Earth, Physics & Earth

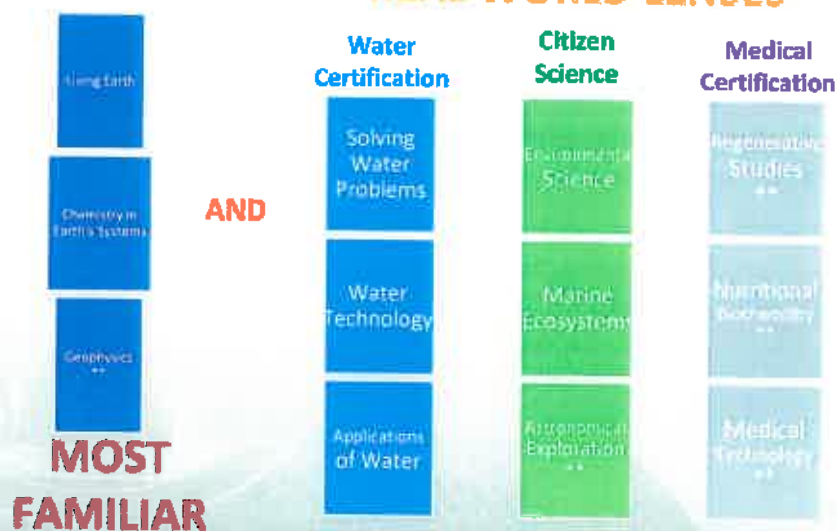
Real World Sequences: Biology, Chemistry, Physics, Earth Science EACH YEAR

Questions to consider:

- ❖ How can we safeguard against “tracking”
- ❖ How can we transition teachers and students more smoothly?

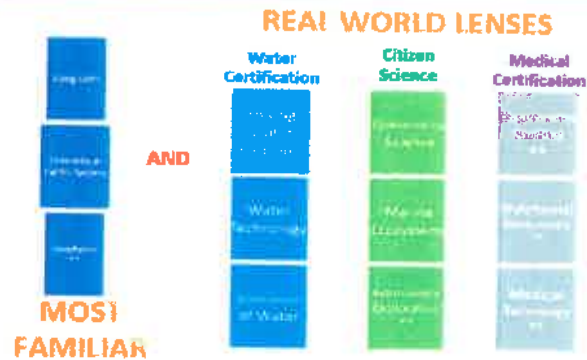
HIGH SCHOOL SCIENCE: MOVING FORWARD

REAL WORLD LENSES



*This is not an exhaustive lens list.
**Course titles may change

HIGH SCHOOL SCIENCE: MOVING FORWARD



Planning and Logistics

- Who can teach these classes?
- Where are we with UCOP Course Submission?
- What is the implementation timeline?
- How can the School Board Support this effort to MOVE FORWARD?
- ** Courses under construction



HIGH SCHOOL SCIENCE: MOVING FORWARD

Every student:

- excels at the highest level throughout his/her career at Rialto Unified School District
- will be a responsible citizen who contributes to a global society
- will achieve success in his/her chosen life endeavors
- will graduate with a personal pathway for success



TODAY WE:

- Defined how *Rialto USD's Strategic Plan* has been used to guide reform in science
- Described the *architecture* of the NGSS Standards
- Shared NGSS *progress*
 - Elementary Schools
 - Middle Schools
- Outlined NGSS work for high school implementation
 - Analyzing data
 - Articulating *the plan moving forward*

