

June 25, 2025

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OAKLAND UNIFIED **SCHOOL DISTRICT**

Community Schools, Thriving Students

Our Vision

All OUSD students will find joy in their academic experience while graduating with the skills to ensure they are caring, competent, fully-informed, critical thinkers who are prepared for college, career, and community success.

Our Mission

Oakland Unified School District (OUSD) will build a Full Service Community District focused on high academic achievement while serving the whole child, eliminating inequity, and providing each child with excellent teachers, every day.







Ask of the Board

 Approve adoption and purchase of OpenSci Ed: Physics (Carolina Biological Certified Version).





Outline

- Background;
- Selection Process;
- Fiscal Impact; and
- Strengths & Supports.

State of Curriculum (2024-25)

	Elementary	Middle School	High School	
English Language Arts	EL Education Foundational Skills: SIPPS (Benchmark for Dual Language)	EL Education 2.0	ELA: FishTank	
Mathematics	Eureka2	Illustrative Mathematics	Illustrative Mathematics	
Colonas	FOSS Next Generation	FOSS Next Generation	Biology	
Science			Chemistry and Physics Pilot 24-25	
History /	3rd Gr. Oakland History	Pearson MyWorld	US/World/Econ/Gov	
Social Studies	4-5 Gr. OUSD on Newsela	Interactive		

High Quality Materials

Pilot/Selection in Process

Lack of High Quality Materials











Background:

The adoption is an opportunity to:

- **Update and modernize** the learning and teaching experience for students & teachers. The current Physics curriculum was adopted in 2007.
- Provide all teachers with opportunity to connect and collaborate around common lessons and pedagogy.
- Offer teachers materials that align with Next Generation Science Standards and stakeholder feedback
- Offer multiple opportunities for hands-on activities and investigations to support development of Science and Engineering Practices
- Support science literacy and discourse skills
- Offer new teachers a strong set of materials to start their careers in OUSD.

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Selection Process

- 2019 and 2022 groundwork: Science teachers surveyed around curriculum and instructional;
 participation in field testing of unpublished curriculum
- 24 25 SY Steering Committee: Coordinator and teacher leads Identified OSE: Physics as pilot option
- Adoption Committee: Gen Ed Teachers, Teachers supporting EL and Newcomers, and content experts
- Additional stakeholder input: SpED, students, Science Leads, Coordinators, Curriculum Fieldtesters
- **Deliberation:** The final deliberation brought together piloting teachers and other community members connected to Science education to weigh all feedback collected, and come to majority vote on recommendation.

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Supporting Data - High School Physics

 80% of teachers surveyed recommend adoption of OpenSci Ed: Physics

Students said:

- The slides always look like that [pointing to the board] –
 they tell us what to do and it makes it easy to follow.
- We do labs every week. I like most of them.

We had to fix a charger [after completing the unit on electricity]. I liked it. We had to explain why it wasn't working and fix it then explain what we did.

Student, Fremont HS

Teacher said:

- The curriculum's strengths were in engaging students with an interesting introductory phenomena, providing multiple opportunities and methods for student engagement, exploration, and discussion.
- Strengths of this curriculum include the driving questions and phenomena-driven units.
- o I do appreciate that there is real-world data to look at! That feels very valuable!

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OpenSci Ed: Physics Strengths

- LOTS of hands-on materials organized into kits for each unit
- Units organized around:
 - investigable phenomena
 - focal questions
 - storylines
- Clear and useable teacher resources to support:
 - literacy & discourse
 - diverse learners
 - assessments

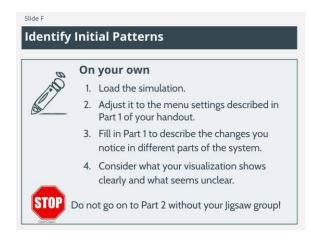




Student and Teacher Experiences

 Clear guidelines to support hands-on activities





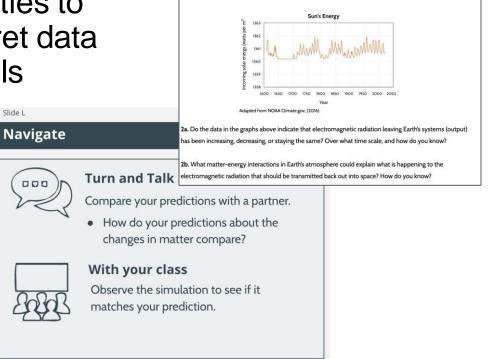
 Kit materials to support all activities and supplement equipment already in science classes

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Student and Teacher Experiences

 Frequent opportunities to analyze and interpret data and evaluate models

 Teacher and student editions organized with prompts to guide reading, analysis, and discussion



Although there have been natural variations in the Sun's energy over the past few hundred years, data show that there has **not** been a significant increase in energy inputs to Earth's systems, as shown in the graph "Thoughtfully selected phenomena generate the student questions, explanations, and ideas for investigations that motivate learning. Teachers elicit these ideas, coordinate collaboration, support investigations, and guide learning to deep conceptual understanding."

-OpenSci Ed

Next Steps to Support Teachers



- Ensure ongoing PD to unpack curriculum resources
- Identify additional phenomena, local examples, and connections to our student populations to address teacher concerns raised during pilot and deliberation process
- Provide technical support around the use of the online portal

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Thank you

For more information, please reach out:

christopher.junsay@ousd.org





Additional Slides

Not part of presentation For additional information and/or in response to Board member questions

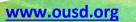






Community Schools, Thriving Students



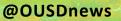












1011 Union Street, Oakland, CA 94607

Coherent Instructional System 2.0 Quality, Standards-**Foundational** based **Teacher PD** Curriculum Standardsbased Assessment Curriculum-**Tiered** based Support Structures **Professional** Learning On-Site Coaching



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High School Physics Fiscal Impact:

Years 1-3, 2025-2028 Instructional Materials

Year	Summary of Materials to be Purchased	Costs
2025-26	Student Editions Teacher Editions Digital Resources Complete Unit Kits (vouchers for kits in progress) Est. tax + shipping	\$345, 145.36
2026-27	Kit and consumables refurbishment	\$57, 130.08
2027-28	Kit and consumables refurbishment	\$57, 130.08
	TOTAL =	\$459, 405.52







High School Physics Fiscal Impact:

Years 1-3, 2025-2028 - Professional Learning

Year	Summary of Professional Learning Offerings	Costs
2025-26	Vendor provided professional Learning Standards & Equity Institute Foundational Curriculum Training	\$32,000
	Monthly 2nd Wednesday Series September & January PD Days	(includes \$20,000 cost for vendor provided training)
2026-27	Vendor provided professional Learning Standards & Equity Institute Foundational Curriculum Training	\$26,000
	Monthly 2nd Wednesday Series September & January PD Days	(includes \$20,000 cost for vendor provided training)
2027-28	Vendor provided professional Learning Standards & Equity Institute Foundational Curriculum Training	\$23,000
	Monthly 2nd Wednesday Series September & January PD Days	(includes \$20,000 cost for vendor provided training)
	Cost for direct vendor provided training	\$60,000
	OUSD costs for teacher stipends	\$21,000
	TOTAL =	\$81,000

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Science Course Enrollment (start of AY 24/25)

Class	Sections	Enrollment	
Biology:	157	2646	
Chemistry:	95	2072	
Physics:	72	1389	
Total:	324	6107	

includes Gen Ed and SpED self contained classrooms

Science courses grades (MP 4, AY 24/25)



Course Grades - 2024-25 - Mark 4

All Courses	Enrolled
All Selected Courses	1,074

32.0%			23.8%		24.5%		7.2%	10.2%		
N=344			N=256		N=263		N=77	N=110		
0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

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