

High School AP Environmental Science Adoption

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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 *Environmental Science for the AP course* by Friedland and Relyea (BFW Publishers).

Outline

- Background
- Selection Process
- Fiscal Impact
- Strengths & Supports

AP Curriculum Adoption Overview

AP Environmental Science	AP US History	AP World History	AP American Government
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Prioritized pilot and adoption along the following factors:

- Course offered across multiple sites
- Enrollment numbers
- Engagement and interest from lead teachers

Background:

The adoption is an opportunity to:

- Offer teachers materials that align with current ***College Board* AP Course and Exam descriptions (CEDs)**
- Provide students with frequent opportunities to develop core **Science and Engineering Practices**
- Provide clear **guidance** and multiple **practice AP questions and full exams**
- Support science **literacy** and **discourse** skills

Selection Process

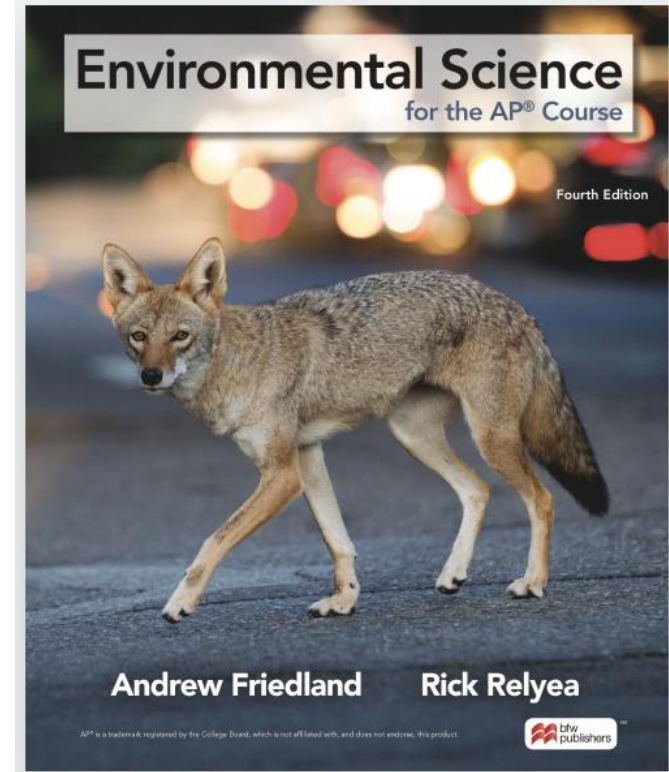
- **Fall 2020:** College Board updated their Course and Exam Descriptions (CEDs) for AP Sciences
- **2023/2024:** Lead AP Environmental Science Teachers requested and researched new curriculum options
- **Fall 2024:** Selected ONE option to pilot against the current text
- **Pilot and Adoption Committee:** All 5 AP Environmental Science Teachers representing 3 different school sites
- **Additional stakeholder input:** Coordinators and Students
- **Deliberation:** The final deliberation brought together piloting teachers and come to consensus on a recommendation.

Supporting Data - AP Environmental Science

- Enrollment in AP Environmental Science makes up just over half of total enrollment in **ALL AP Science courses**
- Lead teachers recommend adoption of “Friedland and Relyea” (Environmental Science for the AP Course)
- **Students said:**
 - *I like the content that we learn, and that it connects to the real world.*
 - *I like the class because [you’re] able to learn more about your community and how making earth more sustainable which is something very important.*
 - *I like the interactive activities and labs that we do*
- **Teacher said:**
 - *In my community of APES teachers, I have noticed that the majority of my peers are using (and enjoying) the F&R text. I trust my colleagues to make good decisions when it comes to student learning - if they’re saying this text is effective and there is an opportunity to get new textbooks, why not use it ourselves?*

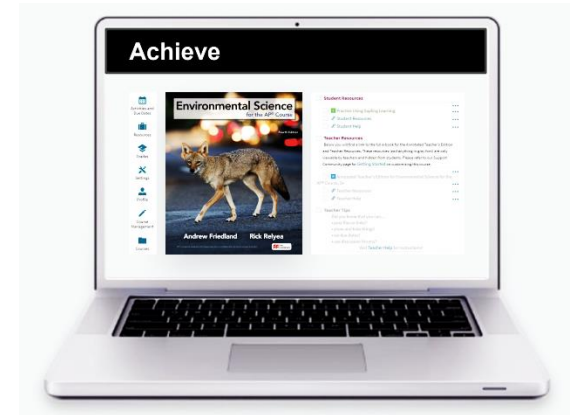
“Friedland and Relyea” Strengths

- **Clear alignment to College Board Course and Exam Description (CED) for AP Environmental Science**
- **Units organized around:**
 - case studies
 - split into modules that align to topic weight on AP exam
- **Clear and useable teacher resources to support:**
 - assessments
 - lab activities
 - targeted feedback
 - customizing practice exams



Student and Teacher Experiences

- Robust online platform that includes full e-textbook, digital test bank, and teacher resources
- Guidance for investigations aligned to *College Board CEDs*



Student and Teacher Experiences

“I liked learning about what are the biggest environmental impacts and how we can prevent/ mitigate them.”

Student, Skyline HS

- Frequent opportunities to analyze data and explore case studies
- Exposure to readings about people and organizations attempting to address environmental issues
- Workbook organized with prompts to guide reading and analysis

“I STRONGLY recommend use of the Friedland book for AP Environmental Science as a curriculum support. It contains the most up-to-date and Collegeboard-aligned information for the APES test, as well as myriad amounts of test practice. Students cannot go wrong using this book to study.”

-APES teacher

Next Steps to Support Teachers

- Ensure ongoing PD to unpack curriculum and understand the updated College Board requirements
- Share dates for summer AP Institutes
- Provide technical support around the use of the online portal

Ask of the Board

- Approve adoption and purchase of Lab-Aids for HS Biology



Thank you

For more information, please reach out:

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Additional Slides

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



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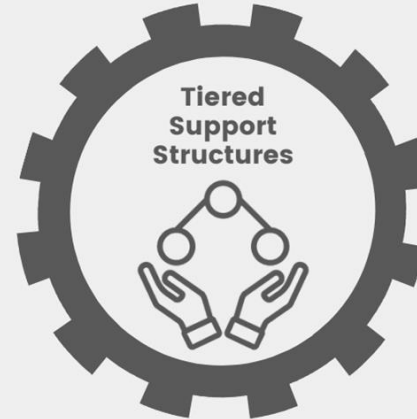
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Coherent Instructional System 2.0



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AP Environmental Science (APES) Fiscal Impact:

Years 1-3, 2025-2028 Instructional Materials

Year	Summary of Materials to be Purchased	Costs
2025-26	Achieve portal Teacher Licenses Achieve portal Student Licenses Digital and print full-length APES texts Print student workbooks	\$69619.20
2026-27	Student workbooks	\$5500
2027-28	Student workbooks	\$5500
	TOTAL =	\$80619.20

Fiscal Impact:

Years 1-3, 2025-2028 - Professional Learning

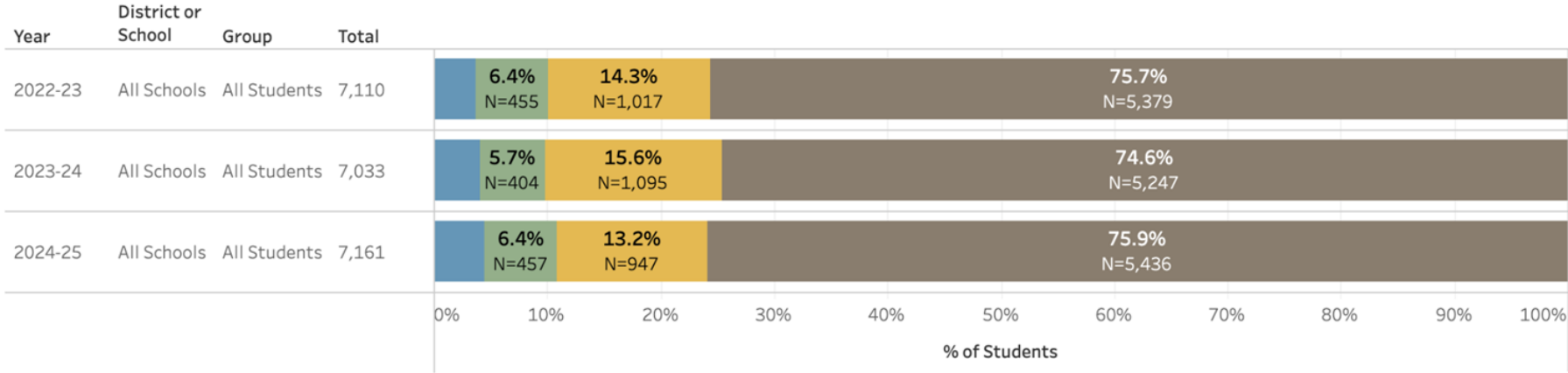
Year	Summary of Professional Learning Offerings	Costs
2025-26	BFW professional Learning Standards & Equity Institute Foundational Curriculum Training Monthly 2nd Wednesday Series September & January PD Days	\$13, 500 (includes \$6000 cost for BFW training)
2026-27	BFW professional Learning Standards & Equity Institute Foundational Curriculum Training Monthly 2nd Wednesday Series September & January PD Days	\$10, 000 (includes \$3500 cost for BFW training)
2027-28	BFW professional Learning Standards & Equity Institute Foundational Curriculum Training Monthly 2nd Wednesday Series September & January PD Days	\$10, 000 (includes \$3500 cost for BFW training)
	Cost for direct BFW Training	\$13, 000
	OUSD costs for teacher stipends	\$20, 500
	TOTAL =	\$33, 500

Total AP Enrollment (most recent 3 years)

AP Courses

3 or More AP Courses 2 AP Courses 1 AP Course No AP Course

Students Enrolled in 1 or More AP Course - Grade 10, 11, 12



Current enrollment in AP Science classes (AY 24/25)

AP Biology:	117
AP Chemistry:	106
AP Physics:	29
<i>AP Environmental Science:</i>	<i>267</i>
Total:	519

AP Environmental Science years pass rate (most recent 3 years)

