

# High School AP Environmental Science Adoption

May 27, 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 *Environmental Science for the AP course* by Friedland and Relyea (BFW Publishers).



# Outline

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

# AP Curriculum Adoption Overview

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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.

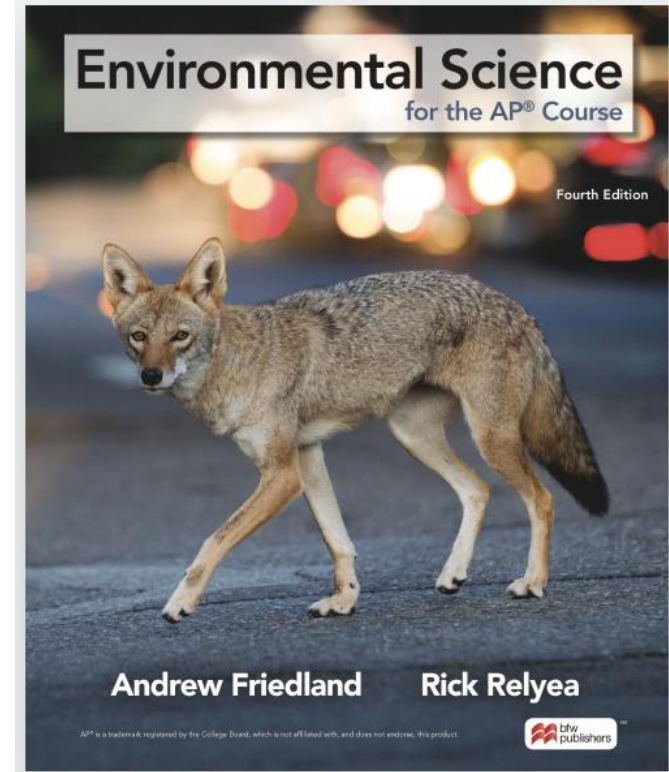
# Supporting Data - AP Environmental Science

- 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 your 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?*



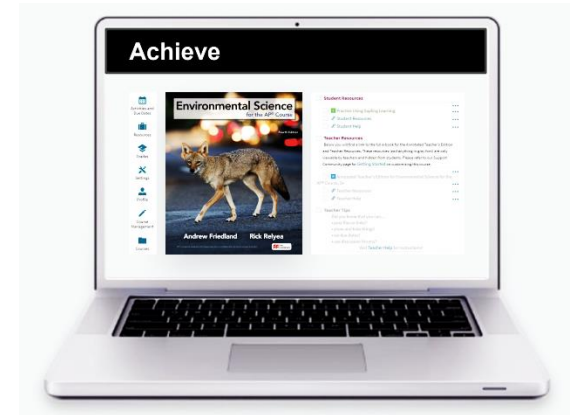
# “Friedland and Relyea” Strengths

- **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:

[christopher.junsay@ousd.org](mailto: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



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[www.ousd.org](http://www.ousd.org)



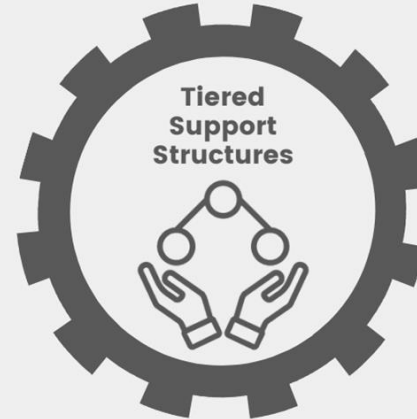
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# Coherent Instructional System 2.0



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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
<b>2025-26</b>	Achieve portal Teacher Licenses Achieve portal Student Licenses Digital and print full-length APES texts Print student workbooks	<b>\$69,619.20</b>
<b>2026-27</b>	Student workbooks	<b>\$ 5,500.00</b>
<b>2027-28</b>	Student workbooks	<b>\$ 5,500.00</b>
	<b>TOTAL =</b>	<b>\$80,619.20</b>



# 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