

**Overall Purpose of textbook:** To provide students with appropriate instructional resources aligned with the science and mathematical expectations as laid out by the College Board in the [course and exam description for Advanced Placement Environmental Science](#)

Committee Members:

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- Beth Delaney, science teacher and class instructor
- Kathy Malatesta, Library Media Specialist
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Criterion	Text	Text
Alignment to AP syllabus/expectations	<ul style="list-style-type: none"> <li>• Chapters and units completely aligned with the order and pacing laid out in the official CB Course &amp; Exam Description</li> </ul>	<ul style="list-style-type: none"> <li>• Chapters and units not explicitly aligned with CB Course &amp; Exam Description, but same content is covered</li> </ul>
Quality of written material: accuracy, rigor	<ul style="list-style-type: none"> <li>• Written material gives in-depth and up to date information covered by the AP Exam. Text provides explicit details on all concepts covered on the exam.</li> <li>• Side notes in text highlight misconceptions students may have or provides tips for students on how to prepare for AP Exam</li> <li>• Many AP Readers/Scorers and instructors for AP Summer Institutes were consulted when creating this text to ensure alignment with the AP Exam.</li> <li>• Multiple opportunities per chapter to practice math that will be presented on the test (examples and practice problems)</li> </ul>	<ul style="list-style-type: none"> <li>• Written material covers topics on the AP exam but not as much detail is provided by this text.</li> <li>• Contains “Math Connections” in each chapter with an example, but no practice problems embedded in the context. Some practice problems at the end of the chapter contain math.</li> <li>• Text is not organized in a way that lines up with the Course and Exam Description so content would not be in the order that it is currently being taught. Chapters mix concepts from the CED in ways that don’t align with the units presented in the CED (which follows a logical order for teaching the</li> </ul>

		<p>course)</p> <ul style="list-style-type: none"> <li>• "Individuals Matter" section in many chapters highlights contributions by scientists to the field of environmental science. Of the people mentioned, 10 out of 14 were male (8 white males) and only 4 out of 14 were female (3 white females).</li> </ul>
<p>Quality of non-written material (e.g. tables, diagrams, pictures, graphs): clarity, accuracy, rigor</p>	<ul style="list-style-type: none"> <li>• Images are high quality and resolution as well as correctly cited.</li> <li>• Contains math and calculation sections to help students master math concepts and use of specific formulas for the exam. Students are not given a formula sheet on the exam so being fluent with formulas and conversions is important.</li> <li>• Contains many graphs/charts for analysis and comparison and to aid in explanation of concepts.</li> </ul>	<ul style="list-style-type: none"> <li>• Many images appear to be of poor resolution</li> <li>• Images are stock images</li> <li>• Images are not cited</li> <li>• Not as much math contained per section where it is applicable for students to practice calculations.</li> </ul>
<p>Readability (formatting, vocabulary)</p>	<ul style="list-style-type: none"> <li>• Key vocabulary highlighted and defined within the text on same page as usage</li> <li>• Glossary- end of each unit/module....references page number for keywords to allow for review of vocabulary in context</li> <li>• Glossary offers Spanish translation</li> </ul>	<ul style="list-style-type: none"> <li>• Key vocabulary defined in mini-glossary at the end of each section</li> </ul>
<p>Price</p>	<p>Quote for \$7342.50</p>	<p>Quote for \$10601.25</p>