

## **AP Science Textbook Resource Review**

### **April 2024**

#### **Background:**

Thirteen AP Science teachers from across the division were invited to attend a textbook resource review. In addition, representatives were invited from four textbook companies to present their resources with educators, Norton, McGraw Hill, Pearson, and Bedford, Freeman, & Worth. Time was provided for questions and answers with each company. The last time ACPS adopted textbooks for students in AP Science courses was over 10 years ago. College Board requires the school to ensure that each student has a college-level biology textbook (in print or electronic format) published within the last 10 years for individual use inside and outside the classroom. The textbook is supplemented when necessary to meet the curricular requirements. The school ensures that the teacher has a copy of the most recent edition of a college-level biology textbook or other appropriate materials to support instruction. Educators were looking for a resource that provides students opportunities to develop student understanding of the required content outlined in each of the units described in the course and exam description (CED). The course provides opportunities to develop student understanding of the big ideas, as outlined in the CED.

The committee would like to recommend the following texts for each AP course provided at our high schools:

<b>Course</b>	<b>Enrollment Numbers (2023-24)</b>	<b>Textbook Request</b>	<b>Cost</b>	<b>Total</b>
Environmental Studies	239	Friedland, Andrew and Rick Relyea. Environmental Science for the AP® Course. 4th ed., New York, NY: Bedford, Freeman, and Worth, 2023.	\$153.98 4 teachers (140 texts)	\$21,557.20
		7 year Online Add-On	\$49.00	\$81,977.00
Biology	132	Mader, Sylvia. Biology, AP Edition. 14th edition. 2022. McGraw-Hill Education.	\$123.60	\$16,315.00
		7 year subscription for 5 steps to a 5	\$21.63	\$19,986.12
Physics	275	Stewart, Gay, Roger A. Freedman, Todd Ruskell, and Philip R. Kesten. College Physics for the AP Physics 1 & 2 Courses. 3rd edition. Bedford, Freeman & Worth.	\$148.98 4 teachers (160 texts)	\$23,836.80
		7 year Online Add-On	\$49.00	\$94,325.00
Chemistry	137	Gilbert, Kirss, Bretz, Foster. Chemistry: An Atoms First Approach, AP Edition. 1st Edition. W.W. Norton, 2020.	\$135.00	\$18,495.00
		7 year subscription for 5 steps to a 5	\$21.63	\$20,743.17

Attached is feedback from the committee for each resource reviewed.

## AP Science Textbook Adoption Spring 2024

Below are the averages of the scoring for each textbook from our Science K-8 textbook committee. The committee was comprised of High school AP Science Teachers to include: Malinda Smith, Diana Webber, Melissa Brown, Noah Biros, Jeremy Dove, Chris Asquith, Michael Farabaugh, Carol Stutzman, Bernice Brythorne, Andrea Rowanhill, Carey Oliver, Erikka Goff, and Tony Wayne. Sarah Delgado, a parent, also attended the textbook presentations. The scoring ranged from 0 - 4 on each criteria, with 4 being the highest.

### [Overview of Resource Review](#)

Textbook/ <b>Total</b>	Educational Sustainability	Timelines	Quality	Readability	Reputation	Supplementa l	Recommende d	Positive Reviews	User Appeal	Sexually Explicit Content
<b>Environmental Studies</b>										
<a href="#">ES, Pearson</a> <b>50</b>	7	7	5	5	6	5	5	5	5	none
<a href="#">ES, McGrawHill</a> <b>50</b>	5	7	5	5	6	6	6	5	5	none
<a href="#">ES, BFW</a> <b>72</b>	8	8	8	8	8	8	8	8	8	none
<b>Biology</b>										
<a href="#">Biology, McGraw Hill</a> <b>72</b>	8	8	8	8	8	8	8	8	8	none
<a href="#">Campbell Biology</a> <b>62</b>	7	8	8	5	8	8	6	7	5	none
<a href="#">Biology for AP, BFW</a>	6	4	6	8	7	n/a	6	6	5	none

48										
<b>Chemistry</b>										
<a href="#">Chemistry. An Atoms Focused Approach</a> 69	8	8	7	8	7	8	8	7	8	none
<a href="#">Chemistry. McGraw Hill</a> 69	8	8	8	7	7	8	8	7	8	none
<a href="#">Chemistry. Pearson</a> 43	4	6	4	4	5	6	5	5	4	none
<b>Physics</b>										
<a href="#">College Physics. Pearson</a> 46	5	7	5	3	6	8	4	4	4	none
<a href="#">College Physics for AP. Open Stax</a> 37	4	8	4	4	4	2	4	4	3	none
<a href="#">College Physics. BFW</a> 72	8	8	8	8	8	6	8	8	8	none

[AP Textbook Quotes](#)