

# High School, Electives, Honors, and AP PEARSON SCIENCE

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## ONLINE MEDIA RESOURCE

### Make Learning Part of the Grade® with Mastering

**Mastering** is the most effective and widely used online tutorial, homework, and assessment system for science courses. It is designed to help instructors teach more efficiently, and pedagogically proven to help students learn. With **Mastering**, you can:

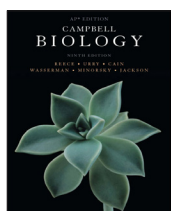
- **Engage and motivate students to learn:** Break free of multiple choice with a wide variety of automatically graded assignment options that accommodate different teaching and learning styles.
- **Provide students with personalized coaching and feedback:** Correlated to your Pearson textbook, highly interactive self-paced tutorials coach each student with hints and feedback specific to their own misconceptions.
- **Quickly monitor and display student results:** The grade book functionality provides you with quick results and easy-to-interpret insights into student performance — and every assignment is automatically graded.
- **Easily capture data to demonstrate assessment outcomes:** With a single click, charts summarize the most difficult problems, vulnerable students, grade distribution, and even score improvement over the curve.



See individual listings for availability. See page 5 for additional information and preview access.

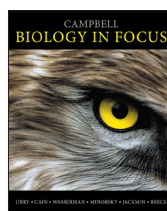
## AP BIOLOGY

### Advanced Placement



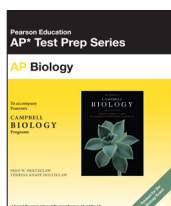
Reece, **Campbell Biology AP® Edition**, 9th Ed., ©2011 with **MasteringBiology**

- Fully supports the current and forthcoming AP biology curriculum!
- #1 AP biology program available.
- Comprehensive textbook with the pedagogical innovation to support your students.
- Visual Organizer Figures emphasize the hierarchy of information in a way that makes it easy for visual learners to make connections between the figures and text descriptions.
- Ties together key themes and big ideas by building on the Key Concepts chapter framework.
- Pearson Active Reading Guide ensures that students read and interact with the text.
- Student Edition includes Student Media CD-ROM and multi-year access to **MasteringBiology with Pearson eText**.



**NEW!** Urry et al., **Campbell Biology in Focus AP® Edition**, 1st Ed., ©2014 with **MasteringBiology**

- A streamlined, 900 page text with core content and scientific skills necessary for AP Biology success.
- This new program includes all of the content in the College Board's NEW AP Biology Curriculum Framework and is supported by a wealth of teacher and student materials, including **MasteringBiology**.
- Offers AP-specific chapter level features that clearly correlate the textbook's content to the **new AP Curriculum Framework** and prepare students for AP Exam success.
- AP-customized instruction and practice test questions at the end of each chapter.
- Student Edition includes Student Media CD-ROM and multi-year access to **MasteringBiology with Pearson eText**.



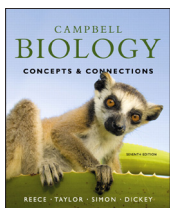
Holtzclaw, **Pearson Education AP® Test Prep Series: Biology**

The Pearson Education's Test Prep workbook for AP® Biology has been thoroughly revised to be congruent with the new Curriculum Framework, give students information about the organization of the course by Big Ideas, and introduce them to the Science Practices. Content information is provided to summarize the concepts retained in the new Curriculum Framework, while notes are added to separate content that is required from material teachers may use as Illustrative Examples.

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## BIOLOGY

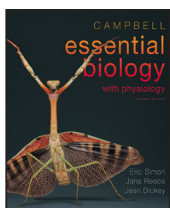
## College Prep/Biology 2/Honors



Reece et al., **Campbell Biology: Concepts & Connections**, 7th Ed., ©2012 with **MasteringBiology**

- For honors biology or biology 2 course.
- “Flexible learning framework” presents concepts in a modular format.
- Fully revised with a focus on making the content accessible for all students

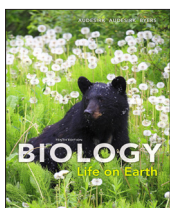
- Conversational writing style.
- Real-world examples and analogies bring the science to life.
- **New!** Each chapter opens with a list of the Big Ideas covered in each chapter.
- Revised art program focuses on helping students visualize the science.
- **New!** Scientific Discover Boxes spotlight “how we know what we know,” how researchers designed an experiment, interpreted their results, and drew conclusions.
- **New!** Checkpoint Questions at the end of each module allow students to self-assess their knowledge before proceeding through the chapter.
- Student Edition includes a Student Media CD-ROM and 6-year access to **MasteringBiology with Pearson eText**.



**NEW!** Simon et al., **Campbell Essential Biology with Physiology**, 4th Ed., ©2013 with **MasteringBiology**

- For college-prep.
- A visual approach with easy-to-follow navigation makes learning biology enjoyable for a wide range of students.
- Three themes (relevance, process of science, and evolution) found at the beginning, middle, and end of every chapter.

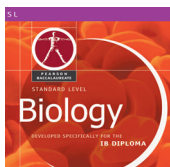
- **New!** Visual Organizers help student see important categories at a glance.
- Multi-year access to **MasteringBiology with Pearson eText** provided free upon textbook adoption.



**NEW!** Audesirk et al., **Biology: Life on Earth with Physiology**, 10th Ed., ©2014 with **MasteringBiology**

- Known for thorough coverage of diversity, ecology, animal physiology, and environmental issues.
- Multi-year access to **MasteringBiology with Pearson eText** provided upon textbook adoption.

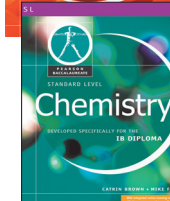
## PEARSON BACCALAUREATE / IB DIPLOMA



**Pearson Baccalaureate for the IB Diploma**

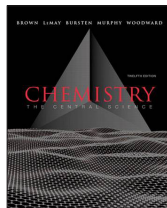
- *Biology SL*
- *Biology HL*
- *Chemistry SL*
- *Chemistry HL*

For additional information visit, [PearsonSchool.com/IBPrograms](http://PearsonSchool.com/IBPrograms).



## CHEMISTRY

## Advanced Placement

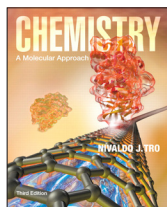


Brown et al., **Chemistry: The Central Science, AP® Edition**, 12th Ed., ©2012 with **MasteringChemistry**

- Significantly streamlined end-of-chapter questions based on student-tested data from **MasteringChemistry**.
- Unique “Go Figure” questions encourage students to stop and analyze the artwork in the text for conceptual understanding.
- Voice Balloons help students break down the components of an image, and “Over the Shoulder” leader lines provide a teacher’s perspective.

- Completely revised design and extensively revised line art and photos enhances student usability and reflects how modern students approach chemistry.
- This program fully supports the College Board’s **new AP Chemistry Curriculum Framework**. Visit [PearsonSchool.com/AdvancedCorrelations](http://PearsonSchool.com/AdvancedCorrelations).
- Student **Test Prep Workbook for AP® Chemistry** was created specifically for the AP Edition of Chemistry. *This workbook has been thoroughly revised to align with the College Board’s NEW AP Chemistry Curriculum Framework. Written by Ed Waterman, experience AP chemistry teacher.*
- Multi-year access to **MasteringChemistry with Pearson eText** provided upon textbook adoption.

Coming Soon!

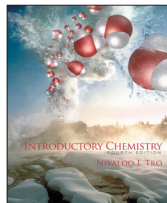


Tro, **Chemistry: A Molecular Approach**, 3rd Ed., ©2014 with **MasteringChemistry**

- The relevance of chemistry to students’ everyday lives, their future careers, and their world is demonstrated consistently and effectively.
- Students’ problem-solving skills are developed through a consistent step-by-step framework that encourages students to think logically through the problem-solving process rather than simply memorizing formulas.

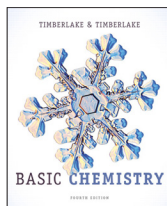
- This program supports the College Board’s new AP Chemistry Curriculum Framework. Visit [PearsonSchool.com/AdvancedCorrelations](http://PearsonSchool.com/AdvancedCorrelations).
- Student **Test Prep Workbook for AP® Chemistry** was created specifically for the AP Edition of Chemistry.
- Multi-year access to **MasteringChemistry with Pearson eText** provided upon textbook adoption.

## College Prep/Honors



Tro, **Introductory Chemistry**, 4th Ed., ©2012 with **MasteringChemistry**

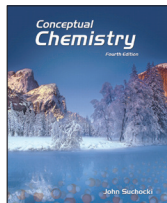
- Known for its consistent problem-solving approach.
- Teaches students to understand chemical principles and master problem-solving skills.
- Each new Student Edition includes 1-year access to **MasteringChemistry with Pearson eText**.



**NEW!** Timberlake, Timberlake, **Basic Chemistry**, 4th Ed., ©2014 with **MasteringChemistry**

- For honors chemistry courses.
- Significantly revised — new and streamlined content.
- Visual, step-by-step problem-solving strategy.
- Six-year access to **MasteringChemistry with Pearson eText** provided upon adoption.

## Alternative Approach



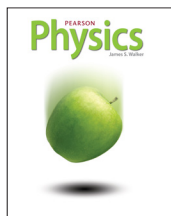
Suchocki, **Conceptual Chemistry**, 4th Ed., ©2011

- For an alternative approach to honors chemistry courses.
- Significantly revised content.
- Includes hands-on activities.
- Access to password-protected Web Site provided free on adoption.
- **MasteringChemistry with Pearson eText** available.



## PHYSICS

## High School



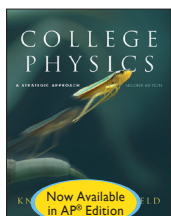
Walker, **Pearson Physics**, 1st Ed., ©2014

*Pearson Physics* is the only high school program that blends conceptual development and quantitative problem solving. The conversational and engaging writing style, numerous and varied examples, annotated art program, and dual emphasis on concepts and math – together with **MasteringPhysics**® – deliver a superior program.

- Relevant connections that tie abstract concepts to everyday experiences and modern technologies.

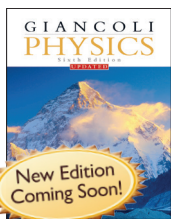
- Rich lab explorations and study support that allow students to practice and reinforce essential skills.
- Multi-year access to **MasteringPhysics with Pearson eText** provided upon textbook adoption.

## Advanced Placement – Algebra-Based



**NEW!** Knight, Jones, Field, **College Physics: A Strategic Approach, AP® Edition**, 2nd Ed., ©2012 with **MasteringPhysics**

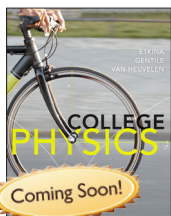
- Introduces basic skills and core concepts using explicit and systemic problem-solving strategies.
- Multi-year access to **MasteringPhysics with Pearson eText** upon adoption of each new Student Edition.



Giancoli, **Physics: Principles with Applications, AP® Edition**, 7th Ed., ©2014 with **MasteringPhysics**

Written with the goal of giving students a thorough understanding of the basic concepts of physics in all its aspects, the text uses interesting applications to biology, medicine, architecture, and digital technology to show students how useful physics is in their own everyday lives and in their future professions.

- This program is fully correlated to the College Board's Physics 1 +2 Curriculum Framework.
- Student **Test Prep Workbook for AP® Physics** was created specifically for the AP Edition of *Physics*.
- Multi-year access to **MasteringPhysics with Pearson eText** provided upon textbook adoption.



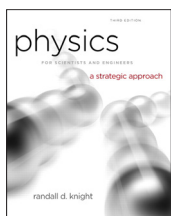
Etkina, **College Physics, AP® Edition**, 1st Ed., ©2014 with **MasteringPhysics**

*College Physics* is the first text to use an investigative learning approach to teach introductory physics. This approach encourages students to take an active role in learning physics, to practice scientific skills such as observing, analyzing, and testing, and to build scientific habits of mind. The **active learning approach** encourages students to construct an understanding of physics concepts and laws in the same

ways that physicists acquire knowledge. The authors believe students learn physics best by doing physics.

- This program is fully correlated to the College Board's Physics 1 +2 Curriculum Framework.
- Student **Test Prep Workbook for AP® Physics** was created specifically for the AP Edition of *College Physics*.
- Multi-year access to **MasteringPhysics with Pearson eText** provided upon textbook adoption.

## Advanced Placement – Calculus-Based

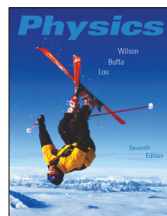


**NEW!** Knight, **Physics for Scientists and Engineers with Modern Physics**, 3rd Ed., ©2013 with **MasteringPhysics**

- Now with reinforced high school binding.
- Shorter than other complete calculus-based physics texts – explanations are easier to understand.
- Includes multi-year access to **MasteringPhysics with Pearson eText** provided upon textbook adoption.

## PHYSICS (continued)

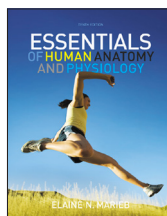
## College Prep/Honors



Wilson, **Physics**, 7th Ed., ©2010

- Most accessible algebra-based physics text for honors physics.
- Updated content and art.
- Open-access Web Site available for this text ([aw-bc.com/wilson](http://aw-bc.com/wilson)).
- **MasteringPhysics** – available for purchase for this title.

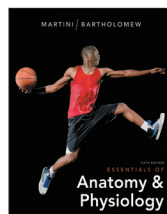
## ANATOMY &amp; PHYSIOLOGY



Marieb, **Essentials of Human Anatomy & Physiology**, 10th Ed., ©2012 with **MasteringA&P**

- For general-level A&P courses.
- #1 high school A&P textbook.
- Friendly, down-to-earth writing style, including many everyday analogies.
- Clearly defined chapter objectives help students manage information in easy-to-learn chunks.

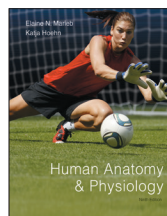
- Strong art and text integration including 3-D anatomy drawings, visual process diagrams, and realistic bone-and-muscle art.
- Fully revised teacher and student supplements – including a new edition of *Anatomy & Physiology Coloring Workbook* and *Essentials of Anatomy & Physiology Lab Manual*.
- Student Edition packaged with *Essentials of Human Anatomy & Physiology Interactive Physiology CD-ROM*.
- Multi-year access to **MasteringA&P with Pearson eText** provided upon textbook adoption.



**NEW!** Martini, Bartholomew, **Essentials of Anatomy & Physiology**, 6th Ed., ©2013 with **MasteringA&P**

- For general-level A&P courses.
- Flawless illustrations, easy-to-follow explanations, and insights into healthcare careers
- Three-level learning system organized by difficulty ensures that students learn basic facts before concepts, and concepts before applications.

- Multi-year access to **MasteringA&P with Pearson eText** provided upon textbook adoption.

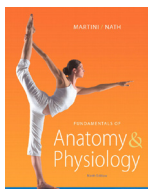


**NEW!** Marieb, Hoehn, **Human Anatomy & Physiology**, 9th Ed., ©2013 with **MasteringA&P**

- For a rigorous A&P course.
- Revised for easier readability and navigation.
- Newly developed Focus Figures and specially commissioned histology, bone, and cadaver photos.
- New Case Studies enable students to better understand the content within clinical contexts.

- Each Student Edition is packaged with *The Brief Atlas of the Human Body* and *Interactive Physiology 10-System Suite CD-ROM*.
- Multi-year access to **MasteringA&P with Pearson eText** provided upon textbook adoption.

## ANATOMY &amp; PHYSIOLOGY (continued)



Martini, Nath, **Fundamentals of Anatomy & Physiology**, 9th Ed., ©2012 with **MasteringA&P**

- For a rigorous A&P course.
- Newly written narrative makes the text more accessible for a wider range of students.
- The end-of-chapter Review Questions, organized by level of difficulty, ensure that students know basic facts before concepts, and concepts before applications.
- Each Student Edition is packaged with *The Brief Atlas of the Human Body* and Interactive Physiology 10-System Suite CD-ROM.
- Multi-year access to **MasteringA&P with Pearson eText** provided upon textbook adoption.



Martini, Ober, **Visual Anatomy & Physiology**, 1st Ed., ©2011

- For a visual learner.
- Combines a visual approach with a modular organization (2-page spreads) – a true text-art integration.
- Includes a wide variety of “workbook-style” review activities – such as labeling and concept mapping activities.
- Each Student Edition is packaged with Martini's *Atlas of the Human Body* and the Interactive Physiology 10-System Suite CD-ROM.
- Multi-year access to **MasteringA&P with Pearson eText** provided upon textbook adoption.

## ENVIRONMENTAL SCIENCE

## Advanced Placement



Withgott, Brennan, **Environment: The Science Behind the Stories AP\* Edition**, 4th Ed., ©2011 with **MasteringEnvironmentalScience**

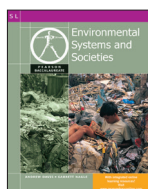
- Incorporates the most current information in a streamlined readable style.
- Includes 7 “Central Case Studies” and 17 “Science behind the Stories” features.
- “EnvisionIt!” feature – a full-page photo essay appearing once in the 17 issues chapters – draws in visual learners and helps all students envision vital concepts.
- Chapters on minerals and mining and expanded coverage on sustainable agriculture, renewable energy, carbon capture/storage, and much more.
- **AP Test Prep Series: Environmental Science** is available with this text.
- Multi-year access to **MasteringEnvironmentalScience with Pearson eText** provided upon textbook adoption.



**NEW!** Wright, Boorse, **Environmental Science: Toward a Sustainable Future**, 12th Ed., ©2014 with **MasteringEnvironmentalScience**

- Three unifying themes of science, sustainability, and stewardship help students conceptualize the task of forging a sustainable future.
- Visual program makes the text more visually appealing and includes visuals that teach more clearly.
- Multi-year access to **MasteringEnvironmentalScience with Pearson eText** provided upon textbook adoption.

## PEARSON BACCALAUREATE / IB DIPLOMA



**Pearson Baccalaureate for the IB Diploma**

• *Environmental Systems and Societies*

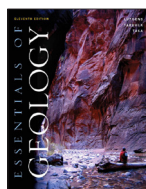
For additional information visit, [PearsonSchool.com/IBPrograms](http://PearsonSchool.com/IBPrograms).

## EARTH SCIENCE/GEOLOGY



Tarbuck, Lutgens, **Earth Science**, 13th Ed., ©2012 with **MasteringGeology**

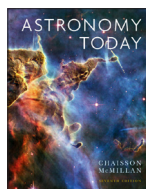
- For 11th – 12th grade earth science course.
- Incorporates a new active learning approach and a fully updated visual program by Dennis Tasa.
- Straightforward and written to be understood – clear, readable discussions with a minimum of technical language.
- Multi-year access to **MasteringGeology with Pearson eText** provided upon textbook adoption.



Lutgens, Tarbuck, **Essentials of Geology**, 11th Ed., ©2012

- For an elective course in geology.
- New active learning approach throughout each chapter, offering students a structured learning path and provides a reliable, consistent framework for mastering the chapter concepts.
- New chapter dedicated to climate change.
- Multi-year access to companion password-protected Web site provided upon textbook adoption.
- **MasteringGeology** is offered as a 100% digital solution.

## ASTRONOMY



Chaisson, McMillan, **Astronomy Today**, 7th Ed., ©2011 with **MasteringAstronomy**

- For an astronomy elective course.
- Communicates the excitement of astronomy, emphasizes critical thinking and visualization, and focuses on the process of scientific discovery.
- Fully revised and updated with the latest astronomical discoveries and theories.
- “Process of Discovery” Boxes explore a wide variety of interesting supplementary topics, providing students with insight into how scientific knowledge evolves and emphasizing the process of science.
- Multiple-part figures are regularly used to convey the greatest amount of information in the most vivid way.
- Multi-year access to **MasteringAstronomy with Pearson eText** provided upon textbook adoption.

## FORENSICS



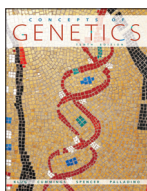
Saferstein, **Forensic Science: An Introduction**, 2nd Ed., ©2011

- For high school forensic science courses.
- Grabs students' interest and keeps it with real-life case studies and virtual crime scenes.
- New in-text QuickLabs – short, hands-on, and easy-to-implement activities.
- Instructor Resource CD now includes Teacher Lecture Videos.
- *Basic Laboratory Exercises in Forensic Science* developed specifically for high school courses.
- Password-protected Web site provided free on adoption.

Saferstein, **Forensic Science Virtual Labs**, ©2009

- For use with any high-school forensic science course.
- 13 virtual forensic science labs.
- 100% online and easy to use – no need for expensive equipment.

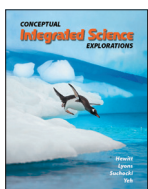
## GENETICS



Klug, ***Concepts of Genetics***, 10th Ed., ©2012

- For a rigorous genetics elective course.
- New coverage of genomics, bioinformatics, proteomics, and more.
- Clear and accessible writing style.
- One-year access to **MasteringGenetics with Pearson eText** provided upon textbook adoption.

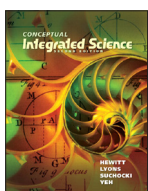
## INTEGRATED SCIENCE



Hewitt et al., ***Conceptual Integrated Science Explorations***, ©2010

- For a 9th- or 10th-grade integrated science course.
- Covers physics, chemistry, earth science, and astronomy.
- Tied together by unifying concepts – underlying ideas that cut across the scientific disciplines.
- Extensive end-of-chapter materials including critical-thinking questions, hands-on activities, math-based problems, and much more.

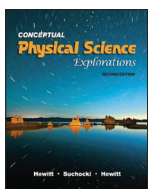
- Student Edition packaged with Practice Book.
- Password-protected Web Site with **Pearson eText** free on adoption.



**NEW!** Hewitt et al., ***Conceptual Integrated Science***, 2nd Ed., ©2013 with **MasteringPhysics**

- For an 11th- 12th grade integrated science course.
- Covers physics, chemistry, earth science, astronomy, and biology at a level appropriate for non-science students.
- NEW! Learning objectives have been added so that students easily see the most important concepts in each chapter.

- Multi-year access to **MasteringPhysics with Pearson eText** provided upon textbook adoption.

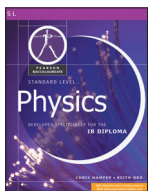


Hewitt et al., ***Conceptual Physical Science Explorations***, 2nd Ed., ©2010

- For a 9th- or 10th-grade physical science course.
- Covers physics, chemistry, earth science, and astronomy.
- Engaging Hewitt cartoons and conversational writing style support the concepts-before-computations approach.
- Each chapter begins with a quick and easy hands-on activity.

- Student Edition packaged with the Practice Book.
- Password-protected Web Site with **Pearson eText** free on adoption.

## PEARSON BACCALAUREATE / IB DIPLOMA



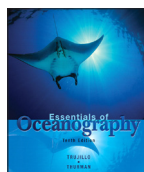
**Pearson Baccalaureate for the IB Diploma**

Pearson Baccalaureate textbooks provide comprehensive coverage of the latest IB syllabus requirements covering:

- *Biology SL*
- *Physics SL*
- *Biology HL*
- *Physics HL*
- *Chemistry SL*
- *Environmental Systems and Societies*
- *Chemistry HL*

For more detailed product information, chapter samples, and additional resources, visit [PearsonSchool.com/IBprograms](http://PearsonSchool.com/IBprograms).

## OCEANOGRAPHY



Trujillo, Thurman, ***Essentials of Oceanography***, 10th Ed., ©2014 with **MasteringGeology**

- Shows the relationship between oceanographic phenomenon and other earth systems.
- Multi-year access to **MasteringGeology with Pearson eText** provided upon textbook adoption.

## MASTERING

Discover the power of the **Mastering** system

**Introducing Mastering** — the next-generation, one-source learning and assessment system for a wide range of AP, Honors, and Electives Science programs.

For a complete Mastering overview join one of our live webinars:

1. Go to [PearsonSchool.com/advanced](http://PearsonSchool.com/advanced)
2. Select Mastering Logo

Mastering**A&P**

Mastering**Astronomy**

Mastering**Biology**

Mastering**Chemistry**

Mastering**EnvironmentalScience**

Mastering**Genetics**

Mastering**Geography**

Mastering**Geology**

Mastering**Microbiology**

Mastering**Oceanography**

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