

# AP\* & Electives Oklahoma Science

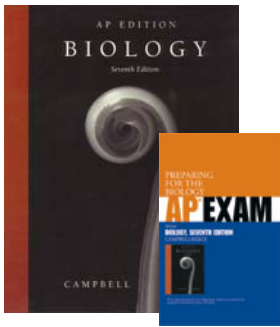


Prentice Hall



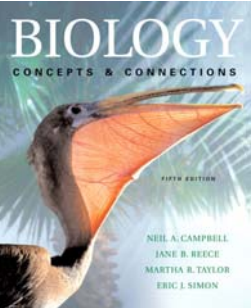
TEACH • INSPIRE • CONNECT

# Biology



## Biology 7<sup>th</sup> Ed AP\* Edition – Campbell, Reece

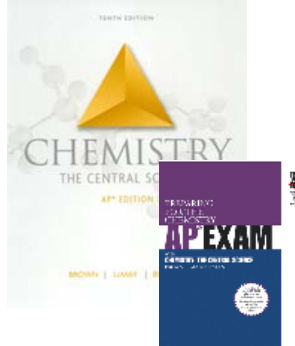
- #1 choice for AP\* Biology courses
- New AP\* Edition includes correlations, thematic study grid & success tips for students
- Chapters have been restructured to focus on 5 or 6 big ideas
- Scientific Inquiry questions encourage students to participate in the investigative process
- Awesome 7-CD set Media Manager helps teachers prepare exciting lectures
- AP\* Test Prep workbook created specifically to work with *Biology 7<sup>th</sup> Ed*



## Biology: Concepts & Connections 5<sup>th</sup> Ed – Campbell, et al.

- For an Honors or Biology 2 course
- Concept modules organize content by major topics helping students focus on the main ideas
- Teachers can easily select content
- Connection modules cover hot issues and connect the science to students' lives
- Chapter-opening essays focus on topics of human interest showing students how biology affects their lives and the world around them

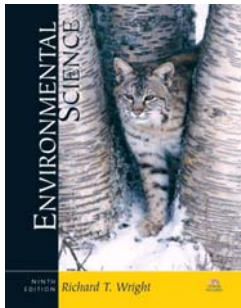
# Chemistry



## Chemistry: The Central Science 10<sup>th</sup> Ed, AP\* Edition – Brown, LeMay, Bursten

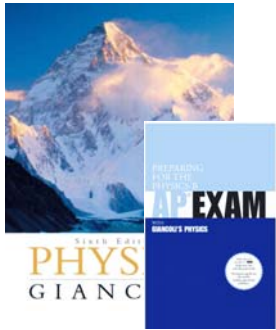
- The fastest growing text for AP\* Chemistry courses
- New AP\* Edition provides additional information for AP\* teachers and students
- Virtual ChemLab
  - CD packaged with every text provides a simulated laboratory setting and eLaboratory exercises
  - Accompanying workbook is on the web site
- Consistent structure and guidelines throughout chapters help enhance comprehension
- Multi-focus graphics present a key process in multiple ways and perspectives
- AP\* Test Prep workbook created specifically to work with *Chemistry 10<sup>th</sup> Ed*. (Available January 2005)

# AP\* Environmental Science



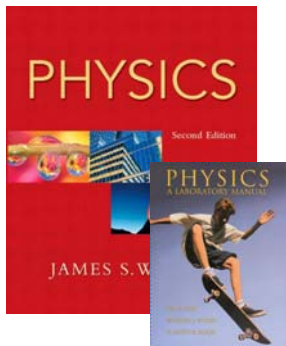
## Environmental Science: Toward a Sustainable Future 9<sup>th</sup> Ed – Wright

- For AP\* Environmental Science courses
- Focuses on importance of understanding science in order to make good decisions about the environment
- Six themes are consistently reinforced throughout the text and build students' critical thinking skills
- The Web site for AP\* covers all topics in the AP\* Environmental Science curriculum and provides online study questions with immediate feedback
- Animated simulations are provided on a Global City CD packaged with each text



## Physics: Principles with Applications 6<sup>th</sup> Ed – Giancoli

- For algebra-based AP\* Physics courses
- Strong biological applications
- Engaging writing style
- Conceptual Examples develop students' reasoning skills
- Photo-realistic and 3-D art enhances the visual appeal of the text
- Physics Applied side notes highlight in-text applications to such areas as medicine, physiology, sports, and technology
- AP\* Test Prep workbook specifically for *Physics 6<sup>th</sup> Edition*



## Physics 2<sup>nd</sup> Ed – Walker

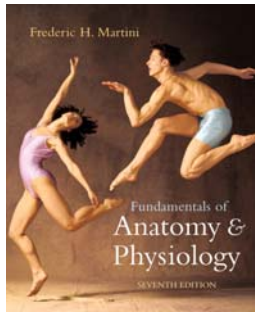
- For algebra-based AP\* Physics courses
- Exceptionally strong pedagogy supports learning with 4 tools:
  - Worked Examples in two column format
  - Active Examples break down a problem into manageable steps
  - Conceptual Checkpoints test students' ability to make inferences
  - Exercises of various types combine qualitative and quantitative parts
- Icons indicate Real-World Physics discussions that help make the course material relevant

## Conceptual Physical Science



## Conceptual Physical Science: Exploration – Hewitt

- For high school course in physical science
- Balanced coverage of physics, chemistry, and earth science
- Student-friendly language, hands-on experiments, real-world applications, and engaging illustrations appeals to students
- Clearly teaches difficult concepts
- Robust password-protected website offers exercises, tutorials, flashcards, a video index, and more

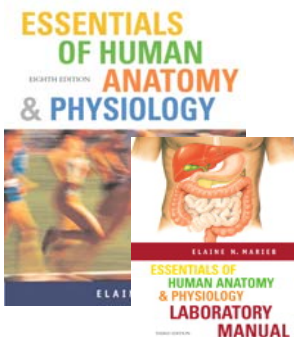
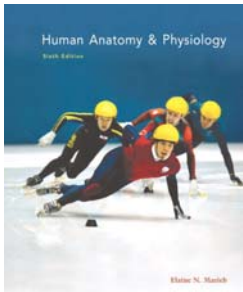


## Fundamentals of Anatomy & Physiology 7<sup>th</sup> Ed – Martini

- Designed for a full-year, rigorous course
- Award-winning art & photo program
- 3-level learning system includes factual questions, conceptual problems, and analytical exercises
- Award-winning art & photo program
  - Navigator Figures
  - Compound Art
  - Macro-to-micro illustrations
- Package includes:
  - Student Edition
  - Martini's Atlas of the Human Body
  - Applications Manual
  - Anatomy 360° CD
  - InterActive Physiology CD

## Human Anatomy & Physiology 6<sup>th</sup> Ed – Marieb

- Designed for a full-year rigorous course
- A clear and inviting writing style uses everyday analogies to explain difficult concepts and hold students' attention
- Making Connections and Closer Connections summarize the relationships between body systems and their clinical implications
- Thorough beginning- and end-of-chapter pedagogy reinforces key concepts
- Student Edition package includes:
  - A Brief Atlas of the Human Body – combines 43 soft tissue photographs with the popular bone photos from The Atlas of the Human Skeleton
  - InterActive Physiology® 8-system suite CD – an award-winning tutorial series that uses detailed animations and engaging quizzes to help students advance beyond memorization to genuine understanding



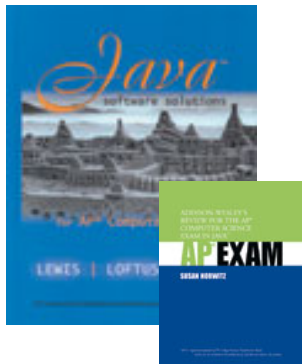
## Essentials of Human Anatomy & Physiology 8<sup>th</sup> Ed – Marieb

- For one-semester course or full-year course for students of different ability levels
- Clear, friendly writing style
- Just the right balance of anatomy, physiology and clinical coverage
- New active learning features help students visualize and understand structure and function
- Lab manual developed specifically for this course and this book



## JAVA How to Program 6<sup>th</sup> Ed. – Deitel

- Comprehensive JAVA instruction covering the AP\* curriculum and more
- Considered by many to be the most complete and thorough treatment of programming in the JAVA language
- Utilizes a trademarked approach that introduces all language features within real, complete working programs (the “Live Code” approach)
- Fully updated to JAVA 5.0 with coverage on all new language features, such as generics, scanner class, formatter class, autoboxing, etc.
- Supplementary material such as lab manuals, teacher resources, and study aids are all available online at the Cyber Classroom. Access is provided to instructors with each textbook



## JAVA Software Solutions for AP\* Computer Science – Lewis, Loftus, Cocking

- Designed specifically for success on the AP\* JAVA –based A-Exam
- Teaches students to use objects before teaching them to write objects
- Graphics and applets are covered in the Graphics Track section after each chapter, and build off the excitement of the Web
- Includes key concept boxes, in-depth focus boxes, and code call-out conventions to reinforce important concepts and practices
- Robust Instructor’s Manual includes weekly lesson plans with pacing guides, solutions to exercises and problems, and a test bank with solutions
- AP\* Test Prep workbook for Computer Science contains 4 comprehensive sample exams; a review of the core JAVA topics; and a multitude of test-taking hints.



## JAVA Software Structures for AP\* Computer Science – Lewis, Chase, Sudol

- Designed to prepare students for the AP\* Computer Science JAVA –based AB-Exam
- Written by an AP\* reader to cover the data structures and algorithms required
- Provides an abundance of programming projects and practice exercises in the style of those on the AP\* exam
- Includes online access to a Case Study supplement, with additional examples and exercises modeled after the current Case Study in the AP\* course description
- Extensive teacher’s support package includes weekly lesson plans with pacing guides and a computerized Test Bank with solutions, source code files, and PowerPoints all available online

**Biology 7<sup>th</sup> Ed**  
Campbell / Reece  
AP\* SE 0-8053-6777-2 (HS Binding)  
AP\* SE + AP Test Prep 0-13-194328-6  
AP\* Test Prep 0-8053-7187-7

**Biology: Concepts & Connections  
5<sup>th</sup> Ed**  
Campbell, et al.  
SE 0-13-193480-5 (HS Binding)

**Chemistry: The Central Science 10<sup>th</sup> Ed**  
Brown, LeMay, Bursten  
AP\* SE 0-13-193719-7 (HS Binding)  
AP\* SE + AP Test Prep 0-13-194570-X  
AIE 0-13-146489-2  
AP\* Test Prep workbook 0-13-236721-1

**Environmental Science: Toward a  
Sustainable Future 9<sup>th</sup> Ed**  
Wright  
SE 0-13-192021-9 (HS Binding)  
AIE 0-13-147541-X

**Physics: Principles with Applications  
6<sup>th</sup> Ed**  
Giancoli  
SE 0-13-184661-2 (HS Binding)  
SE + AP Test Prep 0-13-114286-0

**Physics 2<sup>nd</sup> Ed**  
Walker  
SE 0-13-119494-1 (HS Binding)

**Conceptual Physical Science:  
Explorations**  
Hewitt  
SE 0-321-10663-6 (HS Binding)  
SE + Lab Manual 0-321-12648-3  
SE + Practice Book 0-321-12649-1  
TE 0-321-05187-4

**Fundamentals of Anatomy & Physiology  
7<sup>th</sup> Ed**  
Martini  
SE 0-13-197210-3 (HS Binding)

**Human Anatomy & Physiology 6<sup>th</sup> Ed**  
Marieb  
SE 0-8057-1693-9 (HS Binding)

**Essentials of Human Anatomy & Physiology  
8<sup>th</sup> Ed**  
Marieb  
SE 0-13-193481-3 (HS Binding)  
Lab Manual 0-8053-7340-3

**JAVA How to Program 6<sup>th</sup> Ed.**  
Deitel, Deitel  
SE 0-13-148398-6

**JAVA Software Solutions for AP\* Computer  
Science**  
Lewis, Loftus, Cocking  
SE 0-201-88259-0 (HS Binding)  
Lab Manual 0-321-17360-0

**JAVA Software Structures for AP\*  
Computer Science**  
Lewis, Chase, Sudol  
SE 0-321-33161-3 (HS Binding)