FORENSIC SCIENCE

Forensic Science: Fundamentals and Investigations, Updated Edition
Bertino ©2012
Available March 2011

Hardcover
ExamView® CD-ROM
Instructor’s Resource CD-ROM
Wraparound Teacher’s Edition
Online Adobe PDF eBook

Forensic Science: Fundamentals and Investigations offers a truly experiential approach that engages students in active learning and emphasizes the application of integrated science in your course. Student materials combine math, chemistry, biology, physics, and earth science with content aligned to the National Science Education Standards. This book balances extensive scientific concepts with hands-on classroom and lab activities, readings, intriguing case studies, and chapter-opening scenarios.

TABLE OF CONTENTS
1. Observation Skills
2. Crime-Scene Investigation and Evidence Collection
3. The Study of Hairs
4. A Study of Fibers and Textiles
5. Pollen and Spore Examination
6. Fingerprints
7. DNA Fingerprinting
8. Blood and Blood Spatter
9. Drug Identification and Toxicology
10. Handwriting Analysis, Forgery, and Counterfeiting
11. Death: Meaning, Manner, Mechanism, Cause, and Time
12. Soil Examination
13. Forensic Anthropology: What We Learn from Bones
14. Glass Evidence
15. Casts and Impressions
16. Tool Marks
17. Ballistics

Capstone Projects:
Project 1: Personal Evidence Portfolio
Project 2: Mock Crime Scene Development and Processing
Project 3: Analysis of a Forensic Science TV Show Episode
Project 4: Forensics Dumpster Diving—What the Garbage Can Tell Us
Project 5: Physical Evidence Case Studies
Project 6: Forensic Science Career Exploration
Project 7: Forensic Entomology Case Study
Project 8: Using Forensic Entomology to Solve Crimes
Project 9: Landmark Cases in Acceptance of Evidence
Project 10: How Reliable is the Evidence?

KEY FEATURES
• A variety of high-interest lab activities saves you time while giving students the hands-on experience they need to understand and integrate their knowledge of science and related subjects. Hands-on lab exercises review learning objectives, provide safety precautions, present procedures and data tables, list questions, and offer opportunities for research.
• Chapter-opening scenarios highlight some of the latest developments and intriguing news shaping popular forensic science today. These exciting stories, taken directly from gripping headlines, draw students into the chapter information that follows.
• Science topics integrated throughout each chapter focus on biology, chemistry, physics, earth sciences, psychology, and mathematics. Icons clearly identify these cross-curricular strengths.
• The Gale Forensic Science eCollection™ database helps you and your students investigate forensic science in-depth with instant online access to hundreds of journals, articles, almanacs, and specialized reference sources highlighting the latest scientific developments in this growing field.
• A series of capstone projects at the end of the text offers a variety of individual and cooperative learning opportunities. Assign projects as students progress through the course or after they have completed the course.

Visit us online for complete information: www.cengage.com/schoolforensicscience

Forensic Science: Advanced Investigations
Brown, Davenport ©2012
Available March 2011

Hardcover
ExamView Test Generator CD
Online Adobe eBook

Forensic Science: Advanced Investigations is part of a comprehensive course offering as a second level high school course in forensic science, a course area in which students have the opportunity to expand their knowledge of chemistry, biology, physics, earth science, math, and psychology, as well as associate this knowledge with real-life applications. This text builds upon concepts introduced in Forensic Science: Fundamentals & Investigations, as well as introduces additional topics, such as arson and explosions.
Forensic Science Virtual Labs
Available Spring 2011

Forensic Science Virtual Lab Crime Scene 1 (Basic)

Forensic Science Virtual Lab Crime Scene 2 (Advanced)

Now you can give your students real world lab experience within an online environment!
The virtual lab program includes 18 forensic science lab activities between two crime scenes. Each lab activity includes background information, 3D crime scene, clear instructions, toolkit, post lab assessment, critical thinking questions, and research activities.

TABLE OF CONTENTS
Virtual Lab Crime Scene 1 (Basic)
- Blood Spatter Analysis
- Pollen/Spore
- Hair Analysis
- Fiber Analysis
- Glass Analysis
- Document Analysis
- Fingerprint Analysis
- Ballistics

Virtual Lab Crime Scene 2 (Advanced)
- Toxicology
- Death/Autopsy
- Soil Examination
- Forensic Anthropology
- DNA Fingerprinting
- Tool Marks
- Casts and Impressions
- Fire and Explosives

*Activities and assessment for Crime Scene Investigation/Evidence Collection and Crime Scene Observation Skills are included in both labs.

KEY FEATURES
- 3-D Crime Scene with 360 degree view of the surroundings.
- Virtual forensic toolkit allows students to investigate and collect evidence.
- Lab environment and tools will change based on the type of lab being performed.
- Step-by-step instructions guide students through each lab.
- Graded assignments are automatically entered into the instructor grade book.
Environmental Science: Fundamentals and Applications is an applied science textbook written for a high school audience. It provides practical instruction in the sciences that address principles related to the environment. Chapters include topics such as natural resource management, fish and wildlife management, aquaculture, soil science and forestry. It addresses basic principles of science as they relate to outdoor environments, providing numerous examples of applications of science to environmental problems.

**KEY FEATURES**

- Clearly stated objectives at the beginning of each chapter.
- Everyday Examples: The text is written with practical examples relevant to the life experiences and understanding of its high school audience.
- Richly illustrated throughout with up-to-date images of what is happening in our environment today.
- Conversational style of writing that engages students.
- Clearly stated objectives at the beginning of each chapter.
- Everyday Examples: The text is written with practical examples relevant to the life experiences and understanding of its high school audience.
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- Clearly stated objectives at the beginning of each chapter.

Managing Our Natural Resources, 5e
Camp ©2009
Hardcover
ClassMaster CD-ROM
Instructor's Manual
Workbook
Workbook with Instructor's Manual

Managing Our Natural Resources, 5e was designed and written with people and the environment in which we live in mind. The original book was written specifically to meet the need for an up-to-date introductory level natural resources text for high school agricultural education students. It provides an overview of a wide array of topics in the broad area of natural resources management, ranging from forestry to air quality to wildlife management to solid waste management. Each chapter is built around specific learning objectives and includes numerous photographs and other graphic illustrations that provide a lively look at the topics being discussed. Case studies that address real-world and current issues are provided for each unit and are designed to promote lively classroom discussion and facilitate critical thinking.

Environmental Science: Understanding Our Changing Earth
The American Geological Institute ©2011
Hardcover
ClassMaster CD-ROM
Instructor's Lab Manual
Instructor's Manual
Lab Manual
Lab Manual CD-ROM
Visions of Earth DVD Series
Classroom Interactivity CD-ROM

An interdisciplinary environmental science curriculum that emphasizes Earth systems helps students develop the underlying science and knowledge that forms the foundation for understanding and policy discussion. Moreover, the critical component of environmental science is the focus on how earth systems interact with human society. This subject uniquely ties the physical sciences with social sciences, constituting an opportunity to demonstrate the widest application of science to life.

**Fish & Wildlife: Principles of Zoology and Ecology, 3e**
Burton ©2010
Hardcover
ClassMaster CD-ROM
Instructor's Manual

Fish & Wildlife: Principles of Zoology and Ecology, 3e provides a broad-spectrum overview, for high school students, of the wild animals of North America and the environments they live in, including basic principles of science as they apply to wild animals and the habitats they occupy. Fish & Wildlife: Principles of Zoology and Ecology, 3e contains chapters that detail zoology and ecology basics; zoology and ecology of mammals, birds, fishes, reptiles, and amphibians; and conservation and management of wildlife resources.

**ANATOMY & PHYSIOLOGY**

Body Structures and Functions, 11e
Scott, Fong ©2009
Hardcover
Softcover
Workbook
Electronic Classroom Manager
Instructor's Manual

Body Structures and Functions, 11e continues to integrate diseases and disorders within each body system chapter to maximize learning. Easy-to-understand language and numerous illustrations make this book ideal for students in an introductory anatomy and physiology course with little or no science background. Highlights and features that emphasize clinical applications help keep the material interesting.

Visit us online for complete information: www.cengage.com/school • Call us at 1.800.354.9706
Science of Earth Systems, 2e
Butz ©2008

Hardcover

ClassMaster CD-ROM

Classroom Interactivity CD-ROM

Image Library CD-ROM

Instructor's Guide

Lab Manual

Lab Manual CD-ROM

Lab Manual Instructor's Guide

Spanish Vocabulary and Summaries Student Workbook

Test Bank CD-ROM

Science of Earth Systems, 2e is designed to introduce the new scientific discipline of Earth System Science to secondary school students. This new area of collaborative research is a combination of all the scientific disciplines into one body of knowledge. This book brings together in one volume, the interactions that occur in the living and nonliving world.

KEY FEATURES
• Colorful pictures, diagrams, and charts assist visual students with understanding the content.
• Clear learning objectives for each chapter are provided throughout.
• Career connections, bios for important earth scientists, and recent breakthroughs in the earth sciences offer the most up to date content.
• Web sites provide students with additional areas for research.

Visions of Earth
DVD Series
The American Geological Institute ©2009

DVD

Demo DVD

Technology Solutions
It's Your Choice...See How Teaching and Learning Solutions from Cengage Learning Add Value

Cengage Learning creates, delivers, and supports all of the resources you need to take advantage of today's technology-enhanced supplements and media. Using the latest software, Internet-based tools, and interactive technologies, our teaching and learning tools enable you to find the solution that fits your approach, saves you time, and helps your students succeed. Technology solutions from Cengage Learning help you transcend the limitations of traditional teaching methods...transform how students learn...and spark creativity in your classroom. That's where value begins.

Instructor Resources
Instructor's Materials at Your Fingertips

Found on CD or on the Web site, our Instructor Resources are filled with tools to help you create the most comprehensive and interesting classroom experience possible. With our Instructor Resources you will find interactive preformatted course materials, test banks and engines, figure files, sample syllabi, teacher manuals with lesson plans and teaching tips, PowerPoint presentations, online companion, and much more.

ExamView
The Leading Assessment Solution

Create quizzes, study guides, and tests easily and quickly with ExamView—a computerized testing tool that allows you to create paper and online tests. This test generator is ideal for building tests, worksheets, and study guides (practice tests) to complement any subject. The latest test-creation and online testing software lets you quickly produce reliable, balanced tests and reduce time spent grading. Check out our ExamView* products throughout the catalog.

Online Resources
www.cengage.com/school

This easy-to-navigate Web site provides you with access to an array of teaching and learning resources. This site will assist you in:
• Finding a text appropriate for your class
• Locating your Cengage Learning sales representative
• Requesting a review copy
• Gaining access to teacher and student resources
• Connecting with colleagues and sharing best practices
• Getting technical support for electronic products
• And much more!

TeamUP Training and Service
www.cengage.com/school/teamup

Cengage Learning's TeamUP program connects you to new tools and teaching ideas to help you engage and challenge your students. Our Training and Service Consultants help you find the right digital solution and provide flexible training options to prepare you for the first day of class through the final exam.