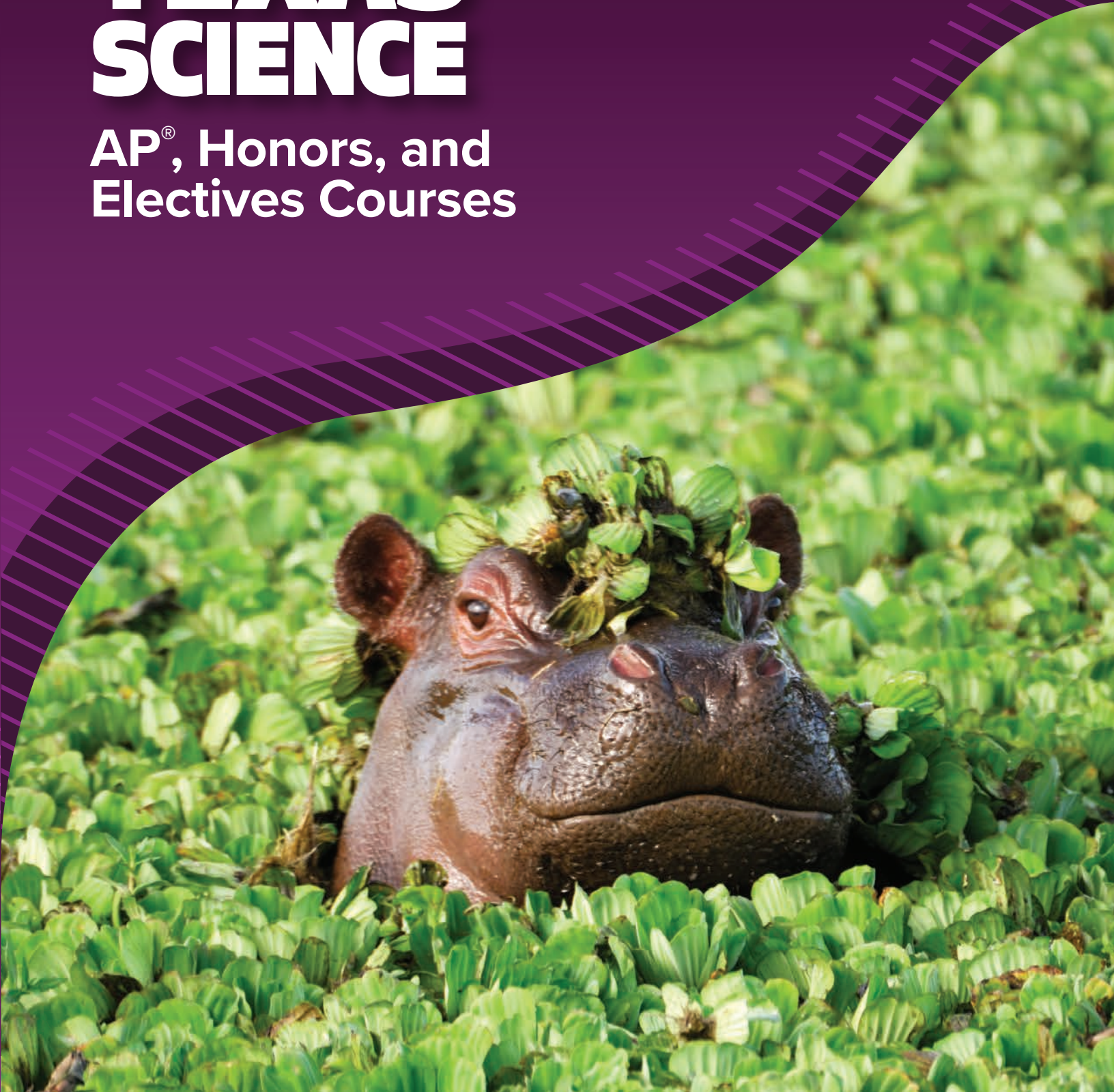


Mc  
Graw  
Hill

# TEXAS SCIENCE

AP<sup>®</sup>, Honors, and  
Electives Courses





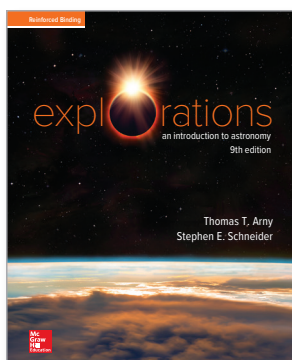
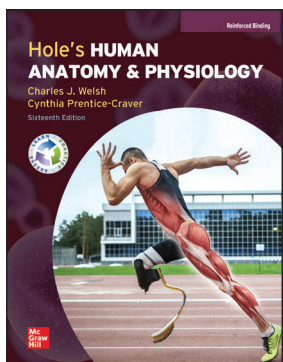
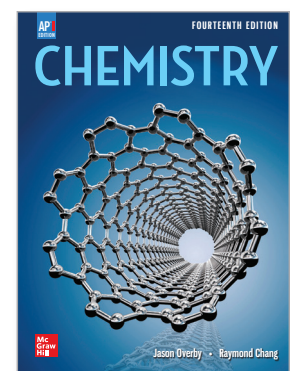
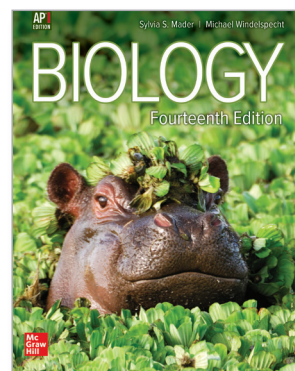
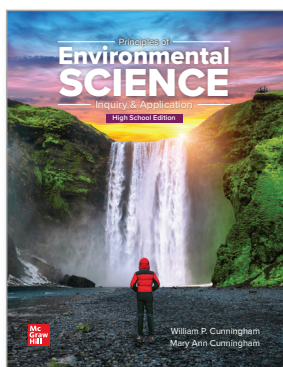
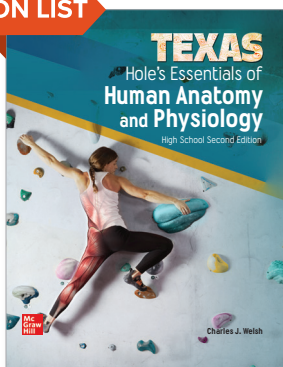
# Stay on Track to College and Career Readiness

Find the right solutions to ensure Texas students develop the academic and real-world knowledge and skills needed to transition from high school to college or the workforce with ease. Purposeful lessons, extensive practice, and a variety of opportunities for concept mastery provide students with meaningful learning experiences—ultimately leading them to success in college and beyond.

## Develop Higher-Level Skills and Knowledge

Honors and Electives

ON LIST



REQUEST A SAMPLE  
OF ANY PROGRAM

Visit page 14 to browse a  
**DIGITAL REVIEW GUIDE**  
for all courses.

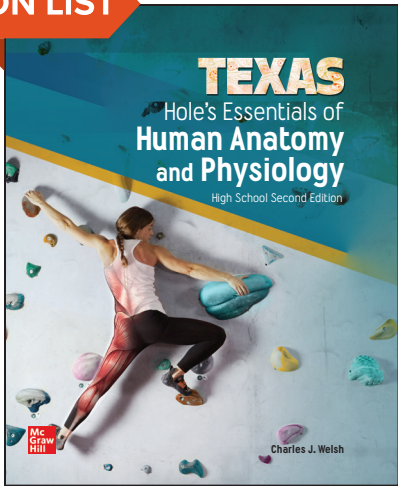
## Table of Contents

Texas Anatomy & Physiology .....	2	AP Chemistry .....	9
Anatomy & Physiology .....	4	Digital Resources .....	10
Environmental Science .....	5	<i>SmartBook</i> ® .....	12
Honors Environmental Science/Astronomy .....	6	Virtual Labs .....	13
Marine Science .....	7	Digital Review Guide .....	14
AP Biology .....	8		





ON LIST



# Texas Hole's Essentials of Human Anatomy and Physiology, High School Edition

2nd Edition ©2025  
Welsh



REQUEST A SAMPLE OF ANY PROGRAM

For Electives

## The #1 Program for Anatomy and Physiology Aligned for Texas Success

*Texas Hole's Essentials of Human Anatomy and Physiology* was written for ease of readability and organized to serve both students and teachers with complete alignment to the TEKS.

Renowned for its high-quality content and dynamic features, this edition delivers enhanced science and engineering application integration and unmatched ELL/ELA support. The high school-friendly presentation masterfully blends text and imagery to engage students with approachable content as they learn to apply concepts to various fields of study, making this an ideal selection for an introductory course.

We introduce Charles Welsh as the primary author to provide a cohesive narrative with a single voice. With over 30 years of experience in anatomy and physiology classrooms instructing future nurses and other allied health professionals, Dr. Welsh brings a fresh perspective to this well-respected text.

## Establishing a Solid Framework

The proven Learn, Practice, Assess system sets students up for success by creating a familiar pattern of instruction, application, and mastery throughout each unit and chapter.

The Preview Chapter highlights learning tools for student success, including an overview of learning styles, a review of scientific literacy, and tips for how to prepare before, during, and after class.

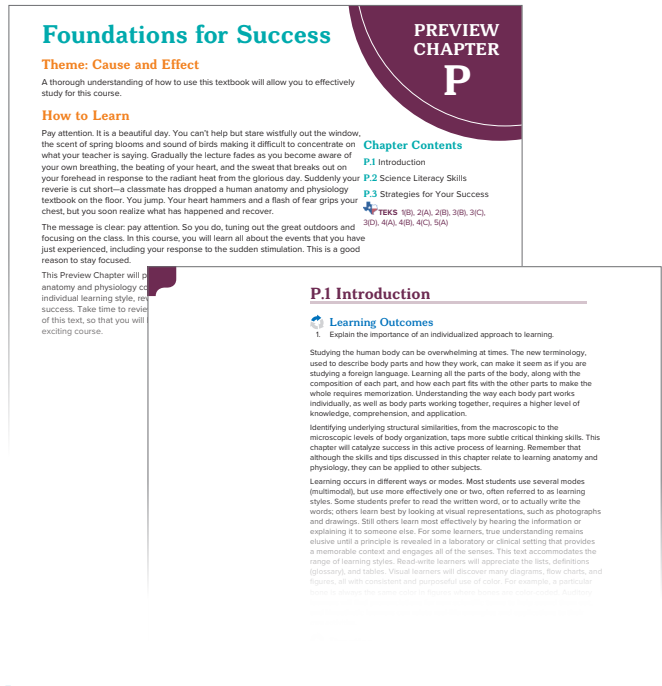
## Clear TEKS Alignment

Correlations to the TEKS are highlighted on the chapter opener. A full breakout correlation is available following the table of contents.

TEKS 4(A), 4(B), 6(E), 8(A), 8(B), 8(C), 8(D), 8(E), 8(F), 8(G), 10(B), 10(I), 19(B)

**Aids To Understanding Words** (Appendix A has a complete list of Aids to Understanding Words.)

<b>acetabulum</b> [vinegar cup] depression of the hipbone that articulates with the head of the femur.	<b>fov-</b> [pit] <b>fovea capitis</b> : pit in the head of a femur.
<b>ax-</b> [axis] <b>axial skeleton</b> : bones of the skull, vertebral column, ribs, and sternum.	<b>glen-</b> [joint socket] <b>glenoid cavity</b> : depression in the scapula that articulates with the head of a humerus.
<b>-blast</b> [bud] <b>osteoblast</b> : cell that will form bone tissue.	<b>inter-</b> [among, between] <b>intervertebral disc</b> : structure between vertebrae.
<b>carp-</b> [wrist] <b>carpals</b> : wrist bones.	<b>intra-</b> [inside] <b>intramembranous bone</b> : bone that forms within sheetlike masses of connective tissue.
<b>-clast</b> [break] <b>osteoclast</b> : cell that breaks down bone tissue.	<b>meat-</b> [passage] <b>external acoustic meatus</b> : canal of the temporal bone that leads inward to parts of the ear.
<b>condyl-</b> [knob] <b>condyle</b> : rounded, bony process.	<b>odont-</b> [tooth] <b>odontoid process</b> : toothlike process of the second cervical vertebra.
<b>corac-</b> [a crow's beak] <b>coracoid process</b> : beaklike process of the scapula.	<b>poie-</b> [make, produce] <b>hematopoiesis</b> : process that forms blood cells.



## Building Scientific Literacy

Aids to Understanding Words helps students decode scientific terminology.



## Application and Mastery

Found at the beginning of each chapter, Case Studies are essential to enhancing student understanding of clinical situations and allows them to study topics in greater depth. Case Study Connection boxes prompt students to think critically as they evaluate their initial ideas. The Case Study Wrap-Up provides students with an opportunity to complete a final assessment of their CER chart and analyze the evidence they collected.

## Additional Features:

- The *Texas High School Teacher Manual*, available in print and online, includes teaching strategies and pacing, group projects, and classroom activities correlated to the ELPs that support ELL and ELA instruction.
- Unit Projects and thematic, chapter-level Case Studies bring relevance and real-world applications to instruction.
- Chapter Reviews include multiple-choice, short-answer, and critical-thinking and clinical application questions.
- Lab Data Analysis, Case Study Wrap-Ups, and Chapter Projects help students enhance their engagement with, and proficiency in, the science and engineering practices.
- Online Focus Activities provide interactive labeling and vocabulary activities to check student mastery of difficult structures, vocabulary, and concepts.
- Concept Overview Interactives offer groundbreaking interactive animations that encourage students to explore key physiological processes and difficult concepts.
- The robust digital platform includes an interactive eBook and adaptive *SmartBook*® tagged to the TEKS, concept clips, vocabulary and labeling activities, and dozens of virtual labs.

**STUDENT LAB MANUAL**.....978-1-26-533754-4

**PRINTED TEACHER MANUAL**...978-1-26-533747-6

**STUDENT EDITION** .....978-1-26-533701-8

*Access to the Online Student Edition includes access to the eBook, SmartBook adaptive eBook, a digital version of the High School Laboratory Manual, Virtual Labs, and additional digital learning resources. Teacher resources include eBook, SmartBook, Teacher Manual, PowerPoint presentations, assignable resources, Gradebook, Pacing Guides, and more. Bundle options without APR are available.*



### Case Study

A forensic anthropologist is attending your school's career fair. She brings with her both actual bone specimens as well as a presentation. She picks up a hip bone and says "did you know that when you are born this bone is actually three separate bones: the ilium, ischium, and pubis? And in most of you they are just now beginning to fuse together." Then, while holding a femur she explains that "the ends of the long bones fuse to the shaft at various ages, and for the femur, this is between 14 and 21 years, and for the clavicle it occurs between 20 and 30 years of age. Why do you think the skeleton starts off with more separate bones and fuses them along the life span? Do are there any advantages to either unfused or fused bones?"


Forensic anthropologists help to identify the age, gender, stature, and cause of death for an unidentified skeleton.

**Claim, Evidence, Reasoning**

**Make Your Claim:** Use your CER chart to make a claim about the characteristics of bones that make them valuable to forensic anthropology. Explain your reasoning.

**Collect Evidence:** Use the information in this chapter to collect evidence to support your claim. Record your evidence as you move through the chapter.

**Explain Your Reasoning:** You will revisit your claim and explain your reasoning at the end of this chapter.



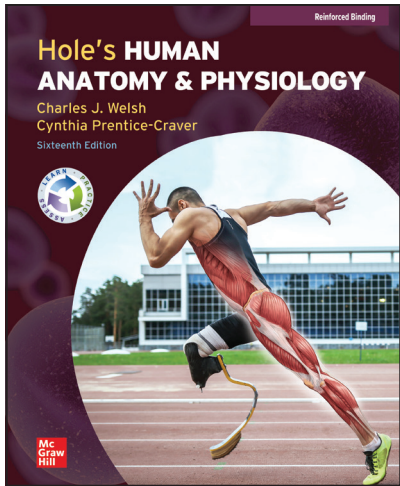
**Anatomy & Physiology REVEALED®**, (APR) is the ultimate dissection experience that visually enriches your lectures and labs with 3D interactive models, engaging animations, and real-life images.

**TEXAS Human Anatomy and Physiology Laboratory Manual**

Tommy R. Martin

The *High School Laboratory Manual for Human Anatomy & Physiology* contains 34 hands-on laboratory activities. The labs are also available in the digital course.

Visit page 14 to browse a **DIGITAL REVIEW GUIDE** for all courses.



## Hole's Human Anatomy & Physiology

16th Edition ©2022

Welsh

For Honors and Electives

### A More Comprehensive Approach to Anatomy and Physiology

A market leader for over 40 years, *Hole's Human Anatomy & Physiology* delivers a more comprehensive, in-depth exploration of anatomy and physiology than *Essentials of Human Anatomy and Physiology* for students preparing for careers in health services. The text is accessible to high school students with an emphasis on the fundamentals for those who have little-to-no prior science knowledge. The proven Learn, Practice, Assess learning system ensures student understanding, application, and mastery of complex concepts while the Understanding Words feature builds a solid anatomy and physiology vocabulary.

With this edition of *Hole's Human Anatomy & Physiology*, we introduce Charles Welsh as the primary author to provide a cohesive narrative with a single voice. With over 30 years of experience in anatomy and physiology classrooms instructing future nurses and other allied health professionals, Dr. Welsh brings a fresh perspective to this well-respected text. Students will connect with the accessible, engaging, and relevant coverage that integrates real-world issues, clinical applications, and the latest in scientific advances. Additional teaching and learning features include:

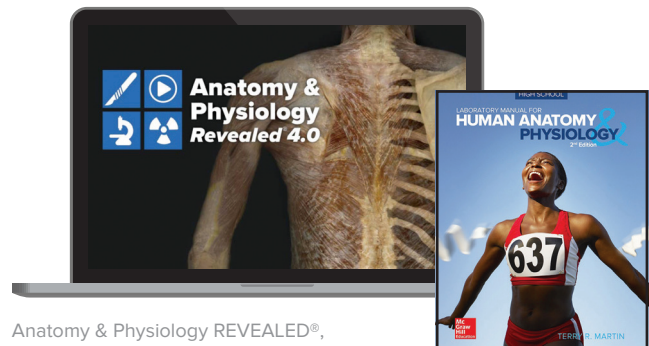
- An enhanced, dynamic art program to help clarify key principles, increase visual impact, and ensure accuracy to reinforce important concepts.
- The chapter-level Career Corner that introduces students to a variety of fields of practice and related occupations.
- A Lab Manual with 34 hands-on activities designed to complement any anatomy and physiology course.

### Dynamic Digital Resources

- A robust digital experience with an interactive eBook, adaptive *SmartBook*®, auto-graded assignments, assessments, and dozens of virtual labs.
- An online Teacher Manual with chapter outlines, teaching suggestions, reading strategies, and pacing guides.
- Labeled diagrams, visual aids, animations, and additional ideas for lecture enrichment.
- 15 assignable, hands-on lab activities.
- Actionable reporting features with data-driven insights.

**STUDENT LAB MANUAL** .....978-0-07-675834-0

**STUDENT EDITION** .....978-1-26-433385-1



Anatomy & Physiology REVEALED®, (APR) is the ultimate dissection experience that visually enriches your lectures and labs with 3D interactive models, engaging animations, and real-life images.

The *High School Laboratory Manual for Human Anatomy & Physiology* contains 34 hands-on laboratory activities. Select labs are available in the digital course.

Access to the Online Student Edition includes access to the eBook, SmartBook adaptive eBook, and additional digital learning resources. Teacher resources include the eBook, SmartBook, Teacher Manual, PowerPoint presentations, assignable resources, Gradebook, Pacing Guides, and more. Bundle options without APR are available. APR is also available as a stand-alone component.





## Principles of Environmental Science: Inquiry & Application, High School Edition

1st Edition ©2023  
Cunningham

For On-level Courses



REQUEST A SAMPLE  
OF ANY PROGRAM

### A Current and Applied Approach for High School

Crafted specifically for a high school environmental science course, *Principles of Environmental Science: Inquiry & Application* is true to its title with an up-to-date, introductory view of the essential themes of the course and numerous opportunities for students to practice scientific thinking and active learning. Accessible pedagogical tools lead students to apply science and engineering practices, work with real-world data, and better understand environmental science and all of its complexities.

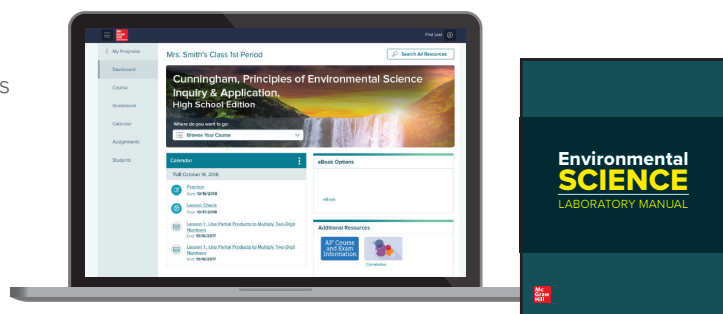
Presented in a single-column format for optimal readability and organized into four units with scientific and engineering practice integration, this feature-rich program was designed to support student success.

- Unit Projects, Case Studies, Data Analysis Labs, and Use the Practice activities apply science and engineering practices to real-world issues related to the field of study.
- Chapter Case Studies and Claim, Evidence, and Reasoning boxes prompt students to develop and research their own claim to enhance investigation and reasoning skills.
- Math Connection provides opportunities to practice quantitative and computational thinking skills.
- Realistic, three-dimensional, and instructional figures provide depth and orientation to complex structures and processes.
- The high school Teacher Manual, available in print and online, includes teaching strategies, pacing, activities with differentiated instruction, and ELL and visual literacy support.

### Powerful Digital Resources

- An interactive eBook and adaptive *SmartBook*<sup>®</sup> assignments
- Google Earth activities
- Graphing and mapping activities
- Customizable, auto-graded test banks
- Virtual labs

**STUDENT LAB MANUAL**..... 978-0-07-700666-2  
**PRINTED TEACHER MANUAL** ..... 978-0-07-700651-8  
**STUDENT EDITION** ..... 978-0-07-700662-4



Robust digital resources include the *SmartBook*, eBook, Google Earth activities, graphing and mapping activities, auto-graded test banks, and virtual labs.

The Lab Manual brings environmental science to life through hands-on activities and inquiry-based labs. The online Teacher Manual provides hints and strategies to help with lab execution.

Access to the Online Student Edition includes access to the eBook, *SmartBook* adaptive eBook, and additional digital learning resources. Teacher resources include the eBook, *SmartBook*, Teacher Manual, PowerPoint presentations, assignable resources, Gradebook, Pacing Guides, and more.

Visit page 14 to browse a  
**DIGITAL REVIEW GUIDE**  
for all courses.

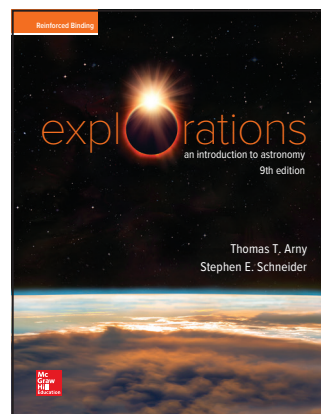


## Environmental Science: A Study of Interrelationships

16th Edition ©2022

Enger

For Honors



## Explorations: An Introduction to Astronomy

9th Edition ©2020

Arny

For Electives

### A Concise and Conceptual View of Environmental Science for Honors Courses

*Environmental Science: A Study of Interrelationships* is a perfect choice for an honors course with an expanded art program, student-friendly layout, an introductory-level approach, and a concise and conceptual writing style that is both interesting and accessible. Students are taken on a scientific journey of our Earth and the relationship between humans and the natural world through Enger's interdisciplinary approach that is presented through multiple perspectives—historical, economic, political, social, and cultural. In addition, *Environmental Science* includes:

- Comprehensive, editable test banks for each chapter.
- Google Earth activities, labs, and additional inquiry activities to give students context for the global places and topics discussed in the text.
- An online Teacher Manual featuring activities and ELL strategies.

### Enriched Digital Resources

- An interactive eBook and adaptive *Smartbook*.
- Google Earth activities, labs, and additional inquiry activities.
- Comprehensive, editable test banks for each chapter.
- An online Teacher Manual featuring activities and ELL strategies, designed to help students learn faster, study more efficiently, and retain more knowledge.

#### STUDENT EDITION

978-1-26-433368-4

### An Approachable, Exciting Program for an Introductory Astronomy Course

The ninth edition of *Explorations: An Introduction to Astronomy* focuses on the latest results and analysis of exoplanets based on Kepler. This rapidly expanding subject with exciting new results and the growing understanding of planetary systems has touched many aspects of the Solar System.

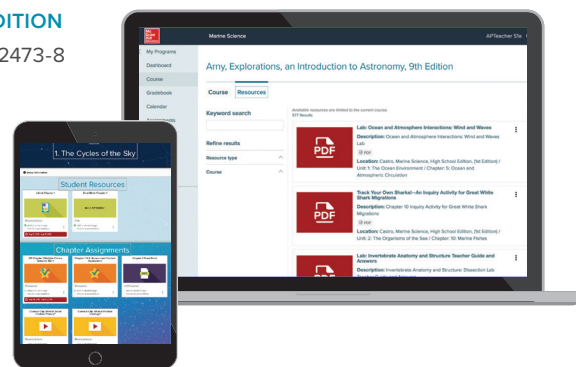
- The expanded “Cosmic Periodic Table” indicates the latest thinking about how each element formed.
- Labs and activities, interactivities, animations, and additional ideas for lecture enrichment are included with the digital resources.
- The foldout star chart has been updated to show the positions of Messier objects and a selection of brighter southern objects suitable for binoculars or a small telescope.

### Powerful Digital Resources

- The interactive eBook and adaptive *Smartbook* personalize the learning.
- Online labs and activities, interactivities, animations, and additional ideas for lecture enrichment enhance instruction.
- Student performance reports help teachers identify gaps, make data-driven decisions, and adjust instruction.

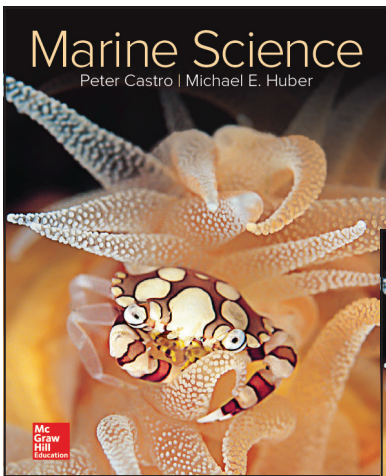
#### STUDENT EDITION

978-0-07-692473-8



Access to the Online Student Edition includes access to a SmartBook adaptive eBook and additional digital learning resources. Teacher resources include the eBook, SmartBook, Teacher Manual, PowerPoint presentations, assignable resources, Gradebook, Pacing Guides, and more.

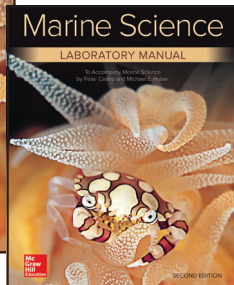




# Marine Science

2nd Edition ©2019

Castro



For Electives



REQUEST A SAMPLE OF ANY PROGRAM

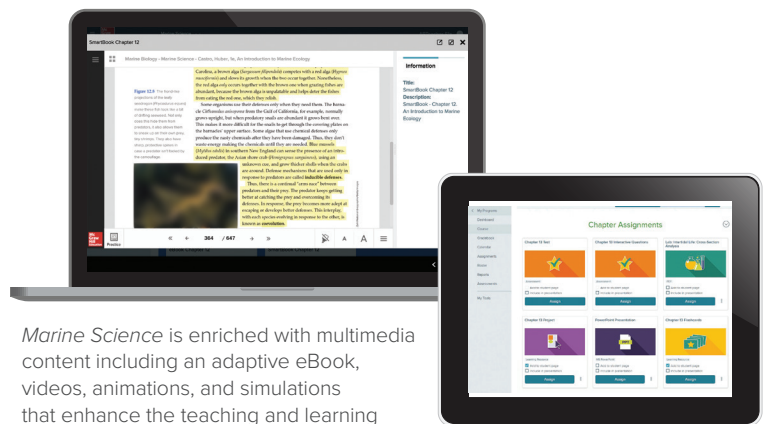
## An Interconnected, Global Perspective of the World Ocean

The first edition of *Marine Science* became an instantly beloved text with its full coverage of oceanography, stunning design, student-friendly learning system, and data analysis labs. Now in its second edition, the program further expands its science and engineering coverage, ELL support, interdisciplinary applications, and introduces a broader focus on human and environmental interaction. *Marine Science* also includes:

- Study Strategy activities, including listening, speaking, reading, and peer interactions to support a variety of learning styles.
- Vocabulary activities and support that help students acquire and understand the key terminology of marine science.
- Inquiry Activities in the Nature of Science, Marine Science in Action, Habitat Spotlight, and Humans and the Ocean allow students to expand upon what they've studied.
- A Lab Manual with 42 labs—no ocean needed!
- The Teacher Manual, available in print and online, includes a detailed pacing guide for each chapter, chapter summaries, answers to the section and chapter review questions, and differentiated instruction strategies and activities.

## Best-in-Class Digital Resources

- Comprehensive chapter banks for each chapter correlated to the Ocean Literacy Standards.
- Digital images and PowerPoint slides to help teachers build dynamic presentations.
- An eBook and a *SmartBook*® adaptive reading experience, designed to help students learn faster, study more efficiently, and retain more knowledge.
- Key question and vocabulary activities.
- Guided and inquiry activities.
- Illustrated art, animations, and simulations.
- Dozens of lab activities.



*Marine Science* is enriched with multimedia content including an adaptive eBook, videos, animations, and simulations that enhance the teaching and learning experience.

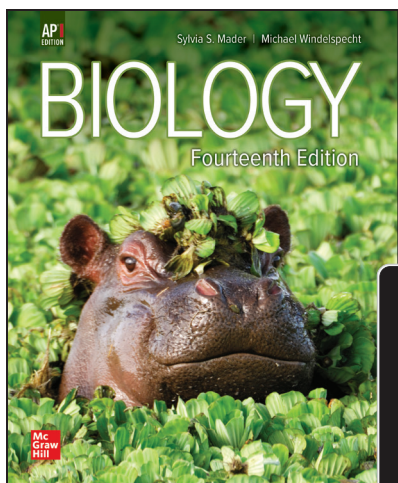
STUDENT LAB MANUAL.....978-0-07-692815-6

PRINTED TEACHER MANUAL...978-0-07-692816-3

STUDENT EDITION .....978-0-07-692818-7

Access to the Online Student Edition includes access to the eBook, SmartBook adaptive eBook, and additional digital learning resources. Teacher resources include the eBook, SmartBook, Teacher Manual, PowerPoint presentations, assignable resources, Gradebook, Pacing Guides, and more.

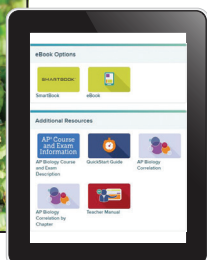
Visit page 14 to browse a **DIGITAL REVIEW GUIDE** for all courses.



## Biology, AP® Edition

14th Edition ©2022

Mader



For AP Biology

### Trusted, Accessible, and 100% Aligned for AP Success

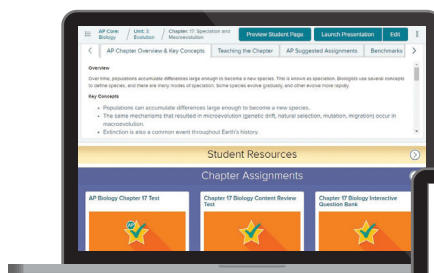
Students explore AP Biology through an inquiry-based lens as they discover the unity and interconnected nature of the study of life. Author Sylvia Mader blends her iconic field expertise with a clear, easy-to-understand writing style to provide students with concise and engaging instruction, practice, and support for AP success. The stunning illustrative artwork and photo presentations add visual interest and powerful pedagogical tools to support and enhance key concepts. This new edition is 100% aligned to the AP Curriculum Framework.

### Full Coverage of the Framework

- An AP Introductory Chapter and AP Unit Openers that detail how chapters within the unit align to the Framework.
- AP Chapter Openers that address the AP Units and AP topics covered in the chapter.
- High-interest, boxed features to reinforce the AP Big Ideas.
- End-of-section “AP Check Your Progress” reviews.
- AP Chapter Summaries and AP Assessments with multiple-choice and free-response questions correlated to the topics and learning objectives in each chapter.
- AP Test Prep with interactive Unit Reviews covering 65 topics organized around the Framework.
- Two full AP practice exams.
- Dozens of virtual labs.
- An AP Edition eBook and a *SmartBook*® that delivers an adaptive, personalized reading experience anytime, anywhere.
- An alternate eBook is streamlined into discrete modules organized around the College Board AP Units to provide focused exam review.

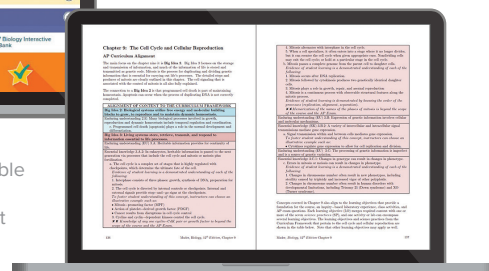
PRINTED AP TEACHER EDITION .....978-1-26-432661-7

AP STUDENT EDITION .....978-1-26-432660-0



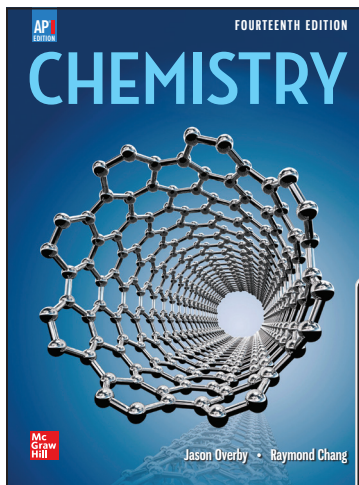
Chapter-level resources include AP overviews and key concepts, strategies for teaching the chapter, AP assignments, and benchmarks.

The AP Teacher Manual, available in print and online, provides innovative strategies to support teaching the science practices and course content.



Access to the Online Student Edition includes access to the eBook, *SmartBook* adaptive eBook, Virtual Labs, and additional digital learning resources. Teacher resources include the eBook, *SmartBook*, Teacher Manual, PowerPoint presentations, assignable resources, *Gradebook*, *Pacing Guides*, and more.

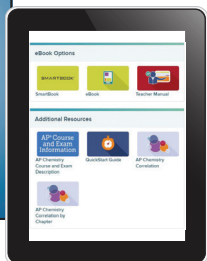




## Chemistry, AP® Edition

14th Edition ©2023

Chang, Overby



For AP Chemistry



REQUEST A SAMPLE OF ANY PROGRAM

### A Traditional Approach Updated for Complete AP Alignment

Fully updated for lock-step alignment to the AP Chemistry Framework, this edition retains the beloved traditional approach as it balances rigorous college-level content with accessible and inspiring instruction. To support learners at all levels for AP success, Chang uses a straightforward writing style and promotes a strong focus on developing problem-solving strategies. Stunning artwork gives students visual insight into topics.

### Features for AP Success

- Chapter 1 provides a thorough introduction to the AP Units and Science Practices to establish the context for the learning ahead.
- AP Chapter Openers, Chapter Summaries, and AP Chapter Reviews ensure focus on the most important content and concepts.
- The unique program design provides visual correlations of the chapters to the AP Chemistry Curriculum Framework.
- Thinking Critically prompts provide opportunities for students to demonstrate their reasoning skills.
- Step-by-step, worked-through example questions and guided practice problems highlight intermediate steps in problem solving.
- A robust digital platform includes the *SmartBook*®, eBook, AP Unit Reviews, AP Test Prep, ALEKS®, and practice exams.
- An AP Teacher Manual, available in print and online, includes classroom activities, pacing guides, lab activities, and directives for using the AP Chemistry Laboratory Manual.

PRINTED AP TEACHER MANUAL ....978-1-26-651619-1

AP STUDENT EDITION .....978-1-26-651505-7

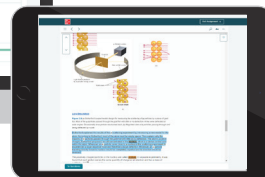


### For AP Chemistry

More practice! Available with the digital subscription, ALEKS® uses adaptive questioning to quickly and accurately determine exactly what math and chemistry topics a student knows and doesn't know and instructs each student on the topics they are most ready to learn.



Robust digital resources include the *SmartBook*, eBook, AP Unit Review eBooks, AP Test Prep, practice exams, and tools to customize assessments to help meet individual learning styles and needs.



Access to the Online Student Edition includes access to the eBook, SmartBook adaptive eBook, Virtual Labs, and additional digital learning resources. Teacher resources include the eBook, SmartBook, Teacher Manual, PowerPoint presentations, assignable resources, Gradebook, Pacing Guides, and more.

Visit page 14 to browse a **DIGITAL REVIEW GUIDE** for all courses.

# Robust, Adaptive, and Dynamic Digital Resources

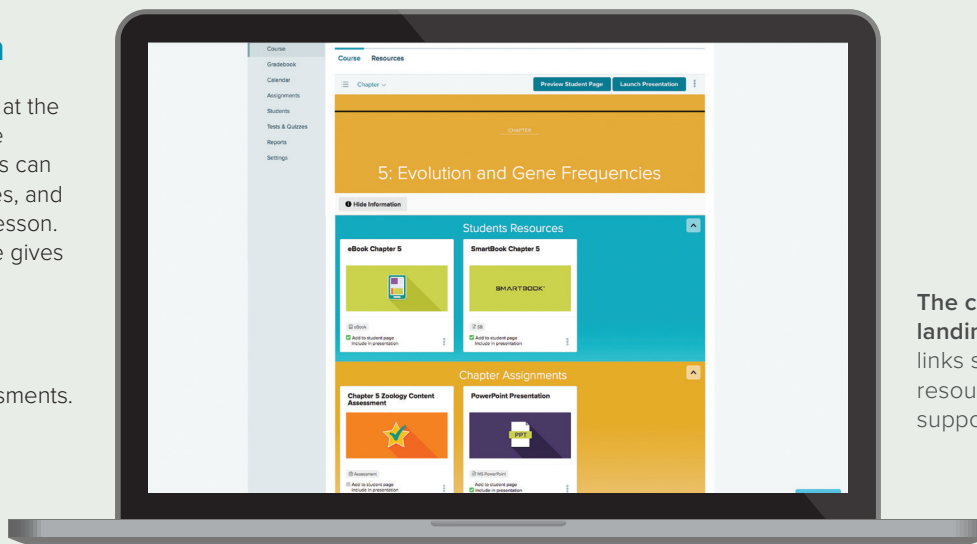
Our digital solutions are enriched with multimedia content including videos, animations, and simulations that enhance the teaching and learning experience inside and outside of the classroom.

Authored by the world's leading subject matter experts and organized at the chapter level, the resources provide students with multiple opportunities to apply their understanding and master course content. Teachers can save time, customize lessons, monitor student progress, and make data-driven decisions in the classroom with flexible, easy-to-navigate instructional tools.

## Intuitive Design

Resources are organized at the chapter level. To enhance the core content, teachers can add assignments, activities, and instructional aids to any lesson. The chapter landing page gives students access to:

- Adaptive *SmartBook*<sup>®</sup> assignments.
- Resources and assessments.
- Assigned activities.
- An interactive eBook.



The chapter landing page links students to resources that support success.

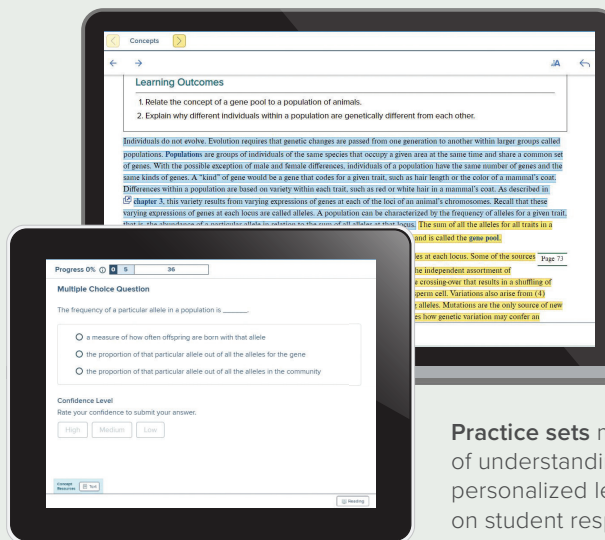
## Mobile Ready

With the McGraw Hill K12 Portal App, students can access their content any time on any device, with or without Internet access.

## Adaptive Study Tools

SMARTBOOK® is the online adaptive study tool. Its interactive features engage students and personalize the learning experience with self-guided tools that:

- Assess a student's proficiency and knowledge.
- Track which topics have been mastered.
- Identify areas that need more study.
- Improve reading comprehension by highlighting key content that needs additional study.
- Present focused content specific to the student's individual needs.



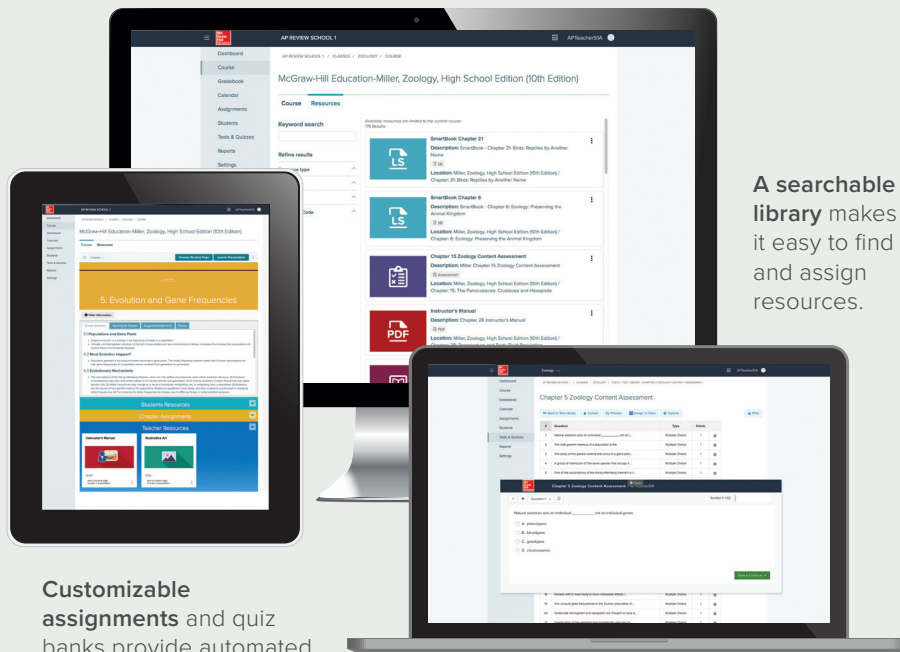
**Highlighted content** continuously adapts to show what students have been assigned in yellow and what requires further study in blue.

**Practice sets** measure depth of understanding and present a personalized learning path based on student responses.

## Teacher Resources

Teachers have access to *SmartBook*®—an interactive, adaptive eBook—plus a wealth of customizable chapter resources and powerful gradebook tools. Resources include:

- An online Teacher Manual with chapter outlines, teaching suggestions, reading strategies, and pacing guides.
- Student performance reports to help teachers identify gaps, make data-driven decisions, and adjust instruction.
- Customizable PowerPoint presentations.
- Labeled diagrams, visual aids, animations, and additional ideas.



**A searchable library** makes it easy to find and assign resources.

**Customizable assignments** and quiz banks provide automated grading that populates easy-to-read reports.



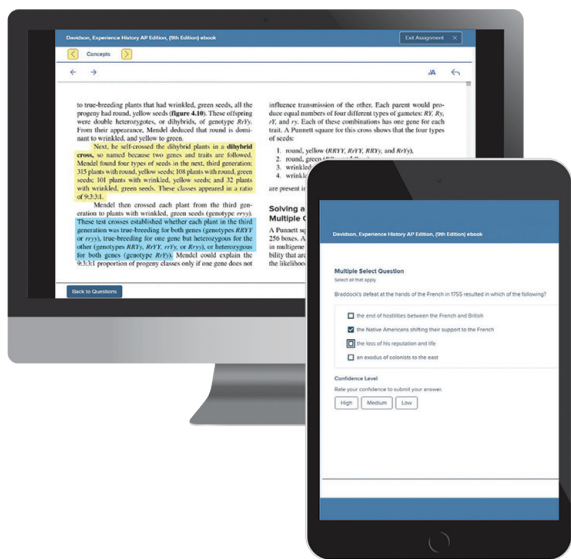
Harness technology to unlock success. Visit [My.MHEducation.com](http://My.MHEducation.com)



# The Learning is Always Personalized

## SmartBook®

SmartBook delivers personalized, adaptive learning tailored to each student's individual needs by pinpointing knowledge gaps and focusing instruction on the concepts that require additional study. Teachers can assign a specific chapter, topic, or concept and access advanced reporting features with actionable insights to inform in-class instruction.



### For Students

## More Personalized. More Productive.

As students move through the material, multiple data points are captured to sequence and pace individual instruction.

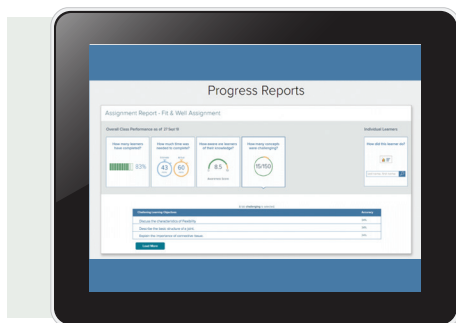
- **Focused Instruction:** Yellow highlights help students easily identify their assigned learning concepts.
- **Targeted Remediation:** Blue highlights bring focus to the contents and concepts that require additional study.
- **Meaningful Practice:** Practice sets with instant feedback allow students to ask for guidance and rate their confidence level.
- **Recharged Learning:** Students can access previously completed assignments with personalized recommendations.
- **Mobile Ready:** Assignments are accessible both online and offline with the McGraw Hill K12 Portal app.

### For Teachers

## More Control. More Prepared. More Actionable.

Teachers can organize assignments to suit their students' needs and align to their course outcomes while easily tracking student progress.

- **Flexible Assignments:** Assign homework down to the subtopic level and time-on-task.
- **Manageable Content:** Assign content across multiple chapters to make connections between chapters, topics, and concepts.
- **Results-Based Support:** Provide personalized review assignments that target each student's areas of weakness.
- **Actionable Reports:** Advanced reporting features track individual and class progress with data-driven insights.



"Using SmartBook has been a game changer! It is like having a co-teacher! I can see how much they read. I can see how much they comprehended! I can see, specifically, what challenging concepts exist. Students can see their progress. Students can see that they are being held accountable in a much more realistic and targeted manner. Students are much more engaged in the class and better prepared to interact with a deeper level of academic conversation."

—Marion Chase

Instructional Coach and AP Teacher

# The Lab is Always Open

## Virtual Labs

Virtual Labs empower students outside the classroom and outside the laboratory with 24/7 access. The labs are compatible with screen readers and keyboard navigation to ensure an accessible experience for all learners. The easy-to-follow on-screen instructions guide students through each part of their lab journey and their progress is automatically saved and always visible to help them take ownership of their learning.



**Available 24/7**  
—even if the lab  
space isn't



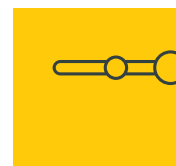
**Built with  
accessibility  
in mind**



**Easy-to-follow  
on-screen  
instructions**



**Student progress  
is automatically  
saved**



**Visible  
progress  
bar**

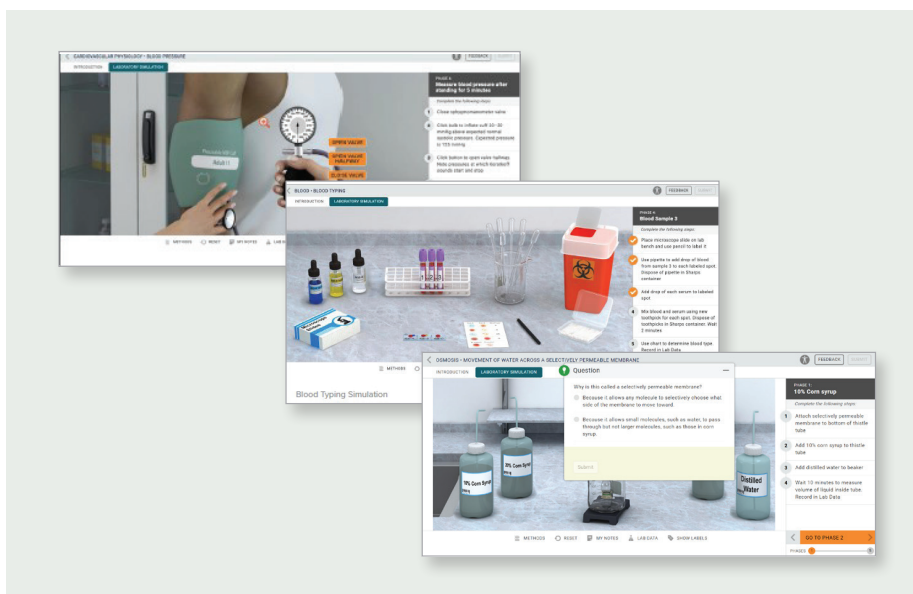
Virtual Labs, included in select courses,\* deliver a realistic, simulated lab experience that better prepares students with the fundamental skills for hands-on lab work. If needed, these labs can even supplant hands-on lab work.

These simulations help students learn practical and conceptual skills; they check for understanding, and provide feedback. With adaptive pre-lab and post-lab assessments available, teachers can customize each assignment.

## The Virtual Lab Experience

In each lab experience, students are guided through the step-by-step phases. They use their mouse to manipulate the materials and are prompted with checks for understanding that deliver instant and guided feedback.

Students also have access to tools for notetaking, resetting the lab, labeling, and reviewing the list of methods at point of use. Once complete, the lab is automatically submitted to the teacher and students can save their work, print, or download a PDF for their records.

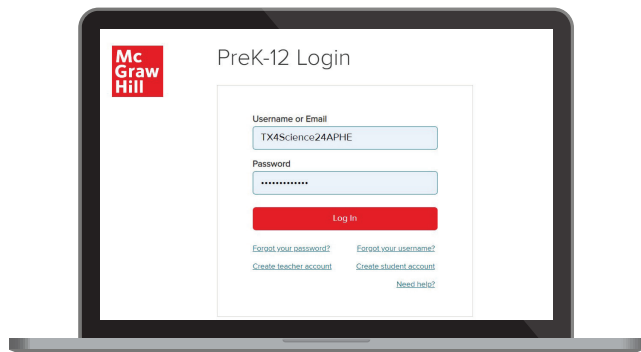


\*Subject Areas

- Anatomy & Physiology
- Environmental Science
- AP Biology
- AP Chemistry

# Take a Tour and Explore

Use this guide to help you get familiar with a variety of digital tools, resources, and support to meet the needs of your classroom and students.



[my.mheducation.com](https://my.mheducation.com)

User Name: TX4Science24APHE

Password: TX24TEdemo24!



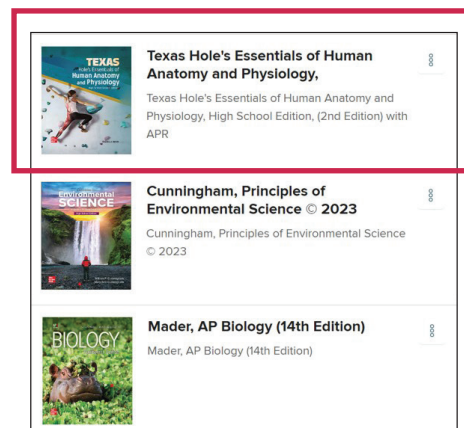
Google for Education  
Partner

## LOG IN TO THE DIGITAL EXPERIENCE

Log in to [my.mheducation.com](https://my.mheducation.com) using the credentials above.

Locate and click on the course you wish to review.

**Note:** All AP and Electives courses function similarly. You can explore any title within the demo account.



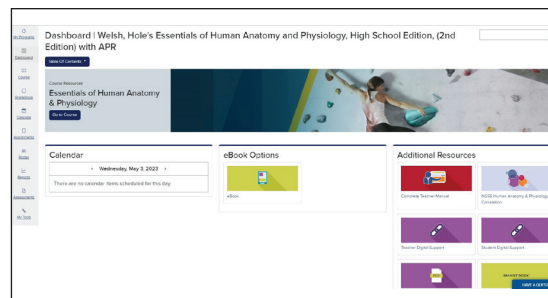
## YOUR COURSE DASHBOARD

This is the **Digital Dashboard**. It's your home base for resources such as:

- Full Teacher Manual
- Quick eBook Access
- Correlations\*
- AP Course & Exam Description\*\*
- Digital Teacher Support
- Digital Student Support

\* For applicable courses

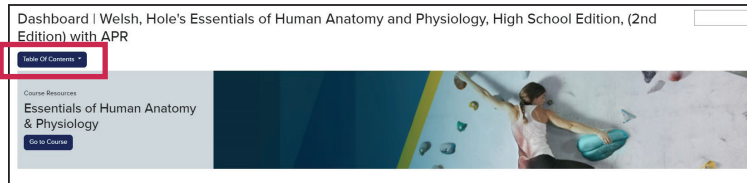
\*\*For AP courses only





## BROWSE YOUR COURSE

Click **Table of Contents** to expand the menu and explore units, chapters, assignments, activities, assessments, and more.

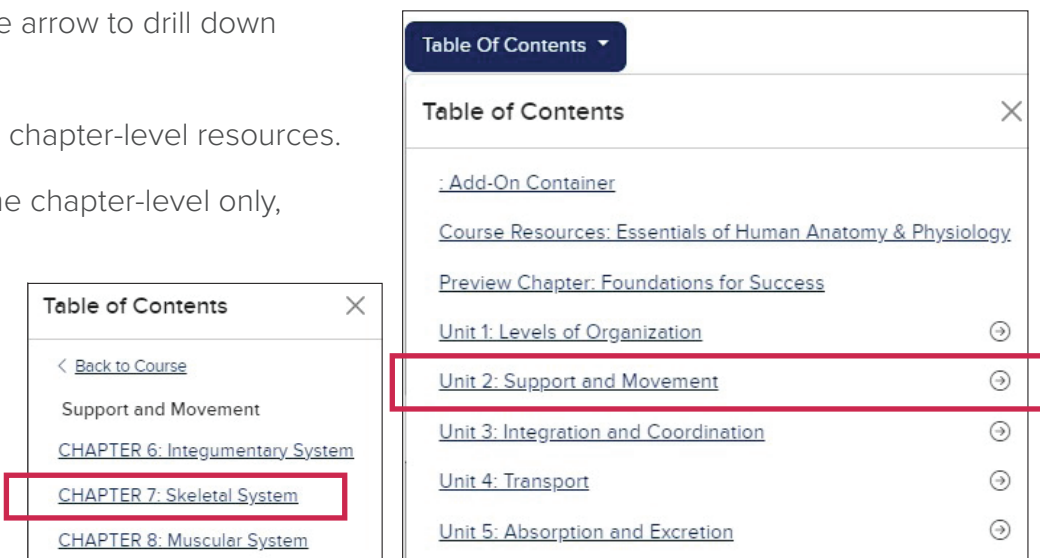


## BROWSE ELECTIVES

Navigate to a unit and click the arrow to drill down to the unit's chapters.

Select a chapter to review the chapter-level resources.

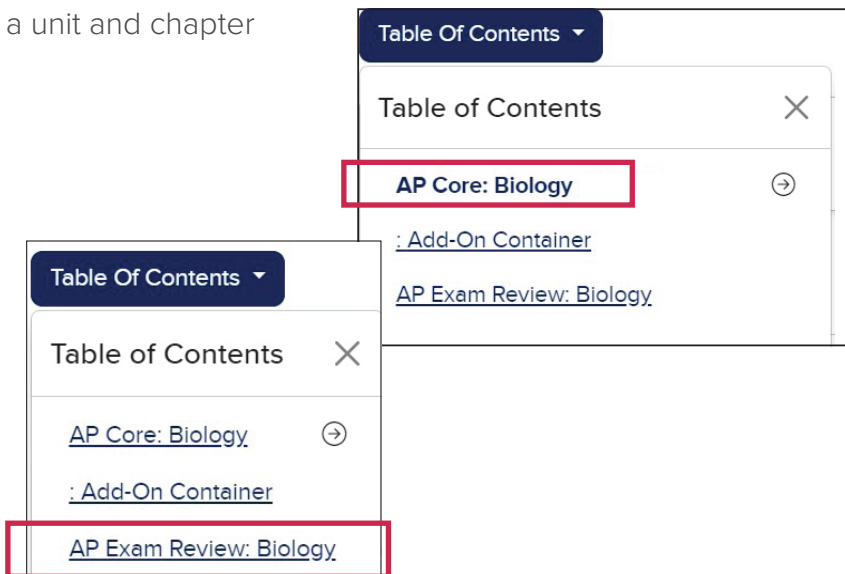
If the course is organized at the chapter-level only, select a chapter to review.



## BROWSE ADVANCED PLACEMENT

Click the arrow next to **AP Core** and select a unit and chapter to review.

Alternatively, you can select **AP Exam Review** to preview the complete AP Practice Exams or the Unit Reviews.



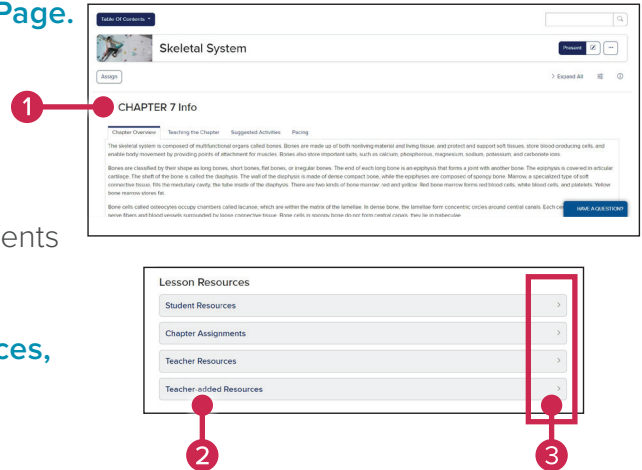
## BROWSE INSTRUCTIONAL RESOURCES

Selecting a chapter will take you to the **Chapter Landing Page**.

Click **Show Chapter Info** ① and use the tabs to explore Overviews, Pacing, Instructional Strategies, Suggested Assignments, and Benchmarks.

Your own materials can be uploaded and assigned to students in **Teacher-added Resources** ②.

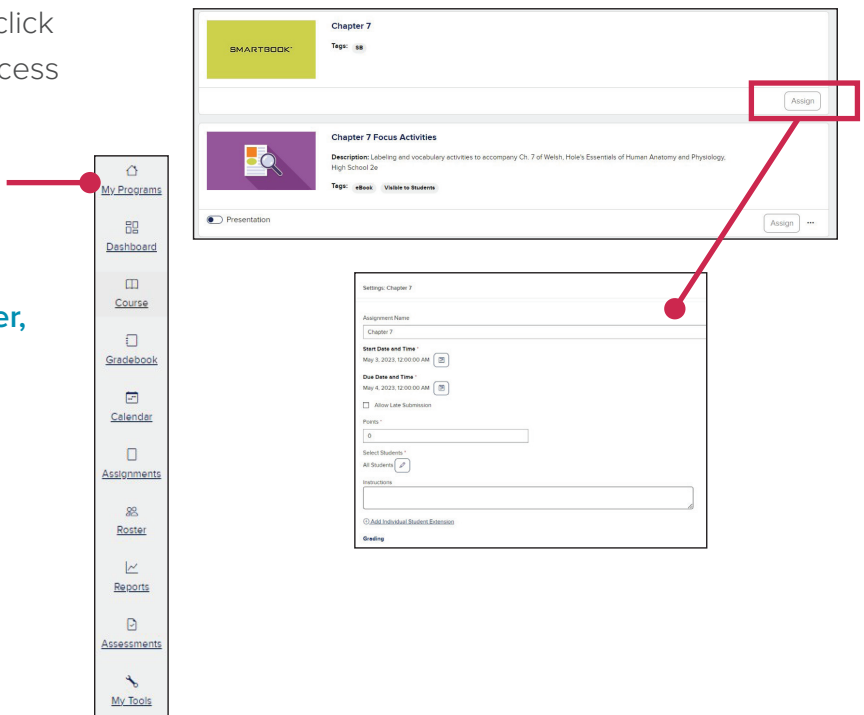
The arrows to the right ③ open to reveal **Student Resources**, **Chapter Assignments**, and **Teacher Resources**.



## ASSIGN RESOURCES

Click on the tile to preview the resource or click **Assign** to open the course calendar and access options for assigning.

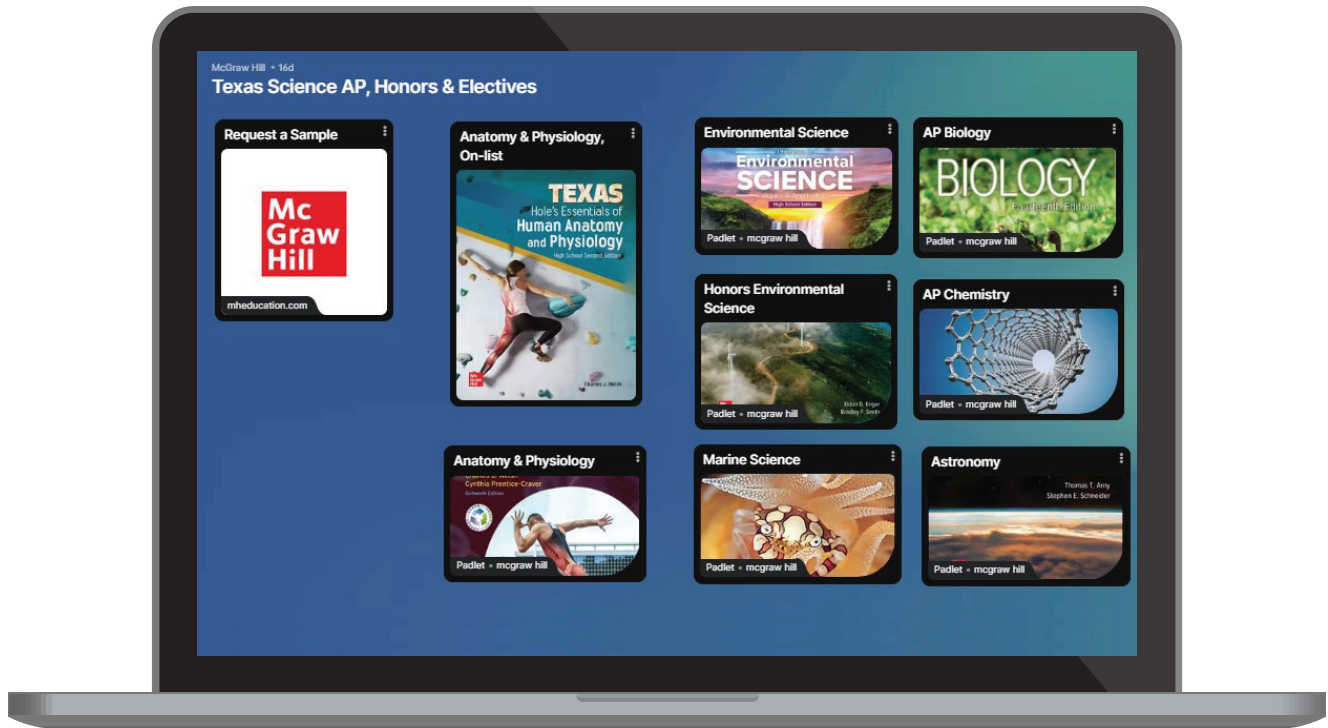
As you navigate your program, the Program Menu is always visible at the left side of the screen to help you navigate quickly to the **Gradebook**, **Calendar**, **Assignments**, **Roster**, **Reports**, and **Assessments**.



## READ OFFLINE ANYTIME, ANYWHERE

Mobile ready! With the **McGraw Hill K12 Portal app**, students can access their content any time on any device, with or without Internet access.

# There's Even More to Explore



Scan to explore the resources that support Texas AP®, Honors, and Electives teacher and student success!



# TEXAS SCIENCE

AP<sup>®</sup>, Honors, and Electives Courses



Scan to explore the program  
resources or request a sample:  
[mheonline.com/TXScience](https://mheonline.com/TXScience)