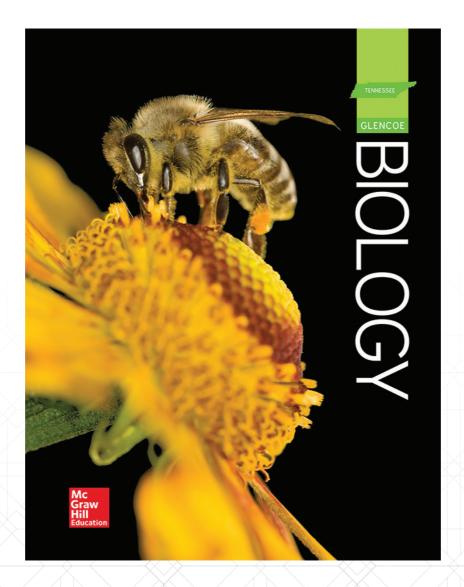


TENNESSEE

BIOLOGY



Welcome to TENNESSEE

BIOLOGY

We are your partner in learning by meeting your diverse 21st century needs. Designed for today's tech-savvy high school students, the McGraw-Hill Education's Tennessee Glencoe Biology program offers hands-on investigations, rigorous science content, and engaging, real-world applications to make science fun, exciting, and stimulating.

With Tennessee Biology you are equipped to:

- Meet science standards Performance Expectations (PEs).
- Integrate Science and Engineering Practices into your science classroom.
- Apply the **Disciplinary Core Ideas** (DCIs).
- Correlate your lessons to Tennessee State Science Standards.

Tennessee Biology: Leveraging technology to drive personalized student success while engaging and motivating students with hands-on, project-based activities and real-world applications.

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ConnectED

connectED is a time-saving online portal that has all of your digital program resources in one place.



ConnectED allows you to:

- Build lesson plans with easy-to-find print and digital resources.
- Search for activities to meet a variety of learning modalities.
- Teach with technology by providing virtual labs, lesson animations, whole-class presentations and more.
- Personalize instruction with print and digital resources.
- Provide students with anytime, anywhere access to student resources and tools, including eBooks, tutorials, animations, and the eGlossary.
- Access to Online Assessment, track student progress, generate reports, and differentiate instruction.

With ConnectEd Mobile you can browse your course content on the go.

The app includes a powerful eBook engine where you can download, view, and interact with your books.

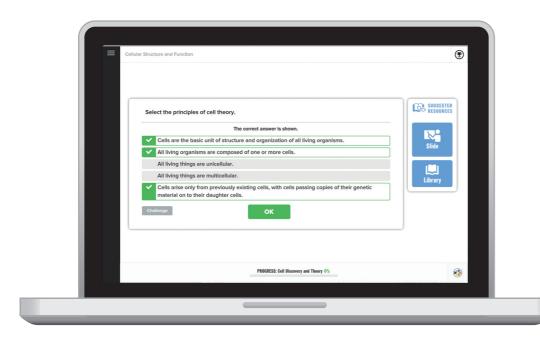
LearnSmart®

Help students learn faster, study more efficiently, and retain more knowledge.

The *LearnSmart*® adaptive learning engine with *SmartBook*® gives every student a unique learning path and every teacher the power to reach all students in class.

SmartBook® is an eBook whose text is fully integrated with **LearnSmart**® technology. As a student reads, this technology determines precisely which learning objectives each student understands or struggles with, highlighting the most critical content for the student to read next.

LEARNSMART®



Pinpoint knowledge gaps for individual students and across classes

Empower students to personalize their learning experiences with optimal learning paths so they spend more time on what they don't know with *LearnSmart*®.

- Practice of basic science concepts to improve recall and application before moving on.
- Additional exposure and increased practice to master new concepts.
- Presentation of concepts individual students struggle to master.

Support Each Student's Unique Needs

LearnSmart® is a proven adaptive learning program that helps students' success by providing a personalized learning path that's based on their responses to questions, as well as their confidence about the answers they provide.

Using revolutionary adaptive technology, *LearnSmart*® builds a learning experience unique to each student's individual needs.

LearnSmart® gives students an advantage - improving **learning outcomes** by ensuring every minute a student spends studying is the most productive minute possible.

SMARTBOOK®



Maximize Study Time

- Within *LearnSmart*®, discover *Smartbook*®, the only adaptive reading experience designed to transform the way students read.
- The interactive challenge format highlights content and helps each student identify content they know, don't know, and are most likely to forget.
- Learning Resources close knowledge gaps by immediately clarifying the concepts the student finds most challenging.
- Teachers receive detailed reports of student progress.

Access a LearnSmart® Demo at www.connected.mcgraw-hill.com

Username: TN612SCIDEMO | Password: tn2018science

Go to Course > Menu > Resources > Program Resources > LearnSmart®

Science in Action

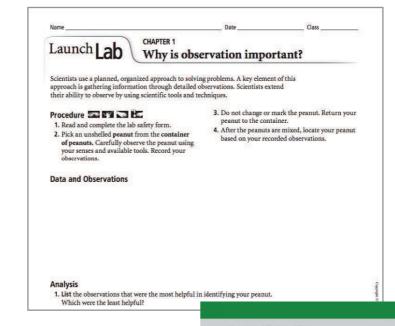
Tennessee Glencoe Biology offers you diverse lab opportunities to deepen your students' understanding of science by experiencing it and experimenting with biology first-hand!

Use these lab activities included in every chapter to bring science to life for your students.

- · Launch Labs
- MiniLabs
- · Data Analysis Labs
- BioLabs

More lab resources are available to you through ConnectED, including:

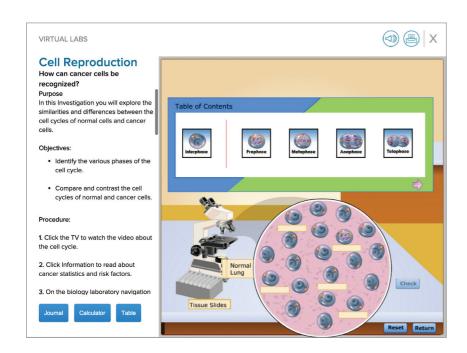
- · Lab Manual
- · Forensic Labs
- Open Inquiry Labs
- Guided Inquiry Labs
- Probeware Labs
- · Video Labs
- Virtual Labs



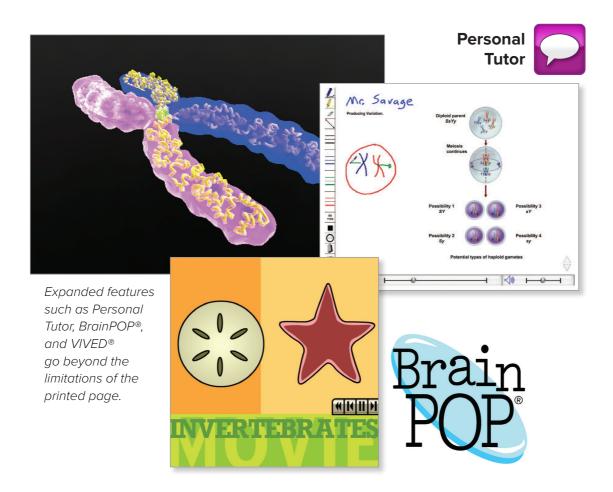
Launch Lab is found on the chapter opener.

Launch Lab Why is observation important?

Scientists use a planned, organized approach to solving problems. A key element of this approach is gathering information through detailed observations. Scientists extend their ability to observe by using scientific tools and techniques.







Apply Interactive Practice

Students have their own digital learning platform called the ConnectED Student Center, complete with student worksheets and digital resources. Assignments you create appear in their to-do lists. Students can message you directly and submit their work.

Use expanded Student Center features such as Personal Tutor, BrainPOP®, and VIVED® videos to go beyond the limitations of the printed page and bring science into your students' lives like never before.

Encourage students to see science all around them with Biology MiniGames. These fun MiniGames present key biology topics from course material using sci-fi themed games with their own style and plots.

Project-Based Learning Activities (PBLs)

Engage and motivate students with hands-on project based activities and real world applications.

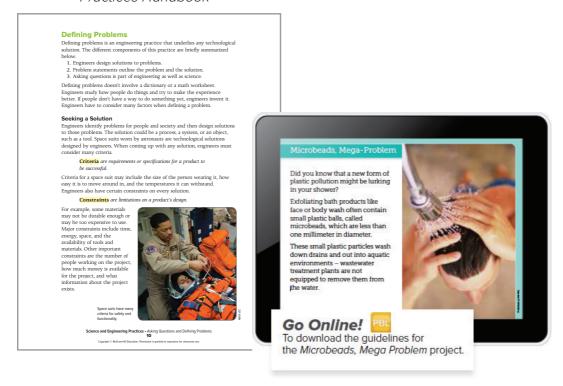
Project-Based Learning (PBLs) Activities

- · Student-driven projects
- · Problem-based learning projects
- Applying Practices projects targeting specific science and engineering practices
- · Design Your Own Labs

Science and Engineering Practices Handbook

- · Support students in their scientific investigations and engineering projects
- · Online reference book
- Provides students with background information, definitions, examples, and Quick Practice activities

Science and Engineering Practices Handbook

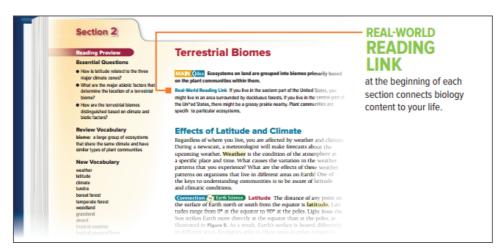


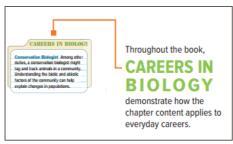
Student Engagement

Create a teaching environment in which students are curious and actively engaged in learning.

Real World STEM

Tennessee Glencoe Biology connects biology to your world. Throughout the text, find personal science connections, surprising examples of biology in careers, and how biologists are engaged in cutting-edge science research.



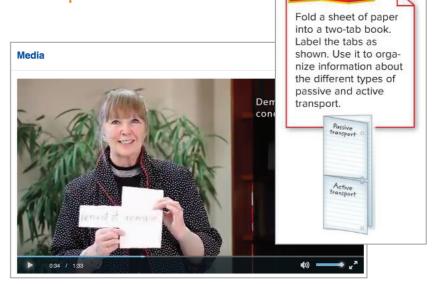


FOLDABLES

Practical Professional Development

Designed on the principles of effective professional development, Effective Professional Development

- · Self-paced courses
- Foldables
- Science and Engineering Practice Videos
- On-demand webinars



eAssessment

Take Student Achievement to the Next Level with \$\frac{9}{2}\$sessment

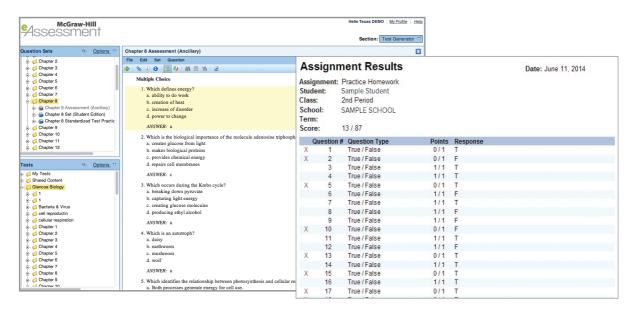
Assessment is a key element to teaching science. McGraw-Hill Education *eAssessement* supports you from diagnostic to summative evaluations, giving you the ability to monitor students' progress, make data-driven intstructional decisions, and motivate your students' academic achievement.

Simplify Data-Informed Decision Making

Use **eAssessment** to create tests and other assignments that can be delivered to students digitally or in print.

Maximize eAssessment by generating reports and beneficial data

The **eAssessment** reporting feature gives you 24/7 access to valuable data on individual students and whole classes to help you differentiate and support students more effectively.



Other features of iScience eAssessment include:

- · Question sets with questions organized by chapter and lesson
- · Assessment creation
- Report generation on proficiency and accuracy
- Assignment time restrictions and multiple attempts at assignment completion
- · Access to ready-made assessments
- Assess using premade diagnostic and summative evaluations

My Notes

My Notes

My Notes

To learn more about the Tennessee Biology program, visit mheducation.com/prek12Tennessee or contact your Tennessee Sales Representative.



mheducation.com/prek12Tennessee