

# **Teaching and Learning Tools**



McGraw-Hill Connect<sup>®</sup> is a web-based assignment and assessment platform that gives students the means to better

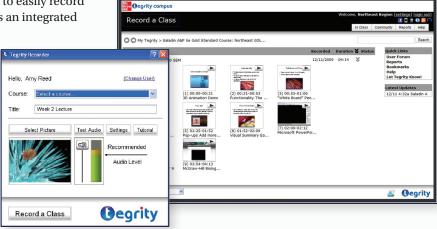
connect with coursework, instructors, and important concepts that they will need to know for success now and in the future.

**McGraw-Hill Connect Plus**<sup>°</sup> provides students with all the advantage of Connect Biology, plus a dynamic, media-rich eBook. To learn more visit www.mcgrawhillconnect.com



**Tegrity Campus**<sup>\*</sup> is a lecture capture web service that allows you to easily record every class for every student. Tegrity is available as an integrated feature of Connect Biology and as a standalone.

- Make your classes available anytime, anywhere
- Simple one-click recording. No IT assistance required.
- Students can search a word or phrase and be taken to the exact place in your lecture they need to view.



# LEARNSMART

Integrated within Connect and available as a standalone, McGraw-Hill LearnSmart<sup>™</sup> is the premier learning system designed to effectively assess a student's knowledge of course content. Through a series of adaptive questions, LearnSmart intelligently pinpoints concepts the student does not understand and maps out a personalized study plan for success. LearnSmart prepares students with a base of knowledge, allowing instructors to focus valuable class time on higher-level concepts.

New **SmartBook**<sup>™</sup> facilitates the reading process by identifying what content a student knows and doesn't know through adaptive assessments. As the student reads, the reading material constantly adapts to ensure the student is focused on the content he or she needs the most to close any knowledge gaps.

See pages xii-xiii of the preface for more information about the LearnSmart Advantage<sup>™</sup> suite of adaptive tools or go to www.LearnSmartAdvantage.com.



McGraw-Hill and Blackboard Inc. teamed up to deliver the first to market integrated course solution which offers the deepest integration of publisher content within an LMS for Blackboard versions 8.0, 9.0, and 9.1.

**Connect Single Sign-on.** A single login and single environment provide seamless access to all course resources—all McGraw-Hill's resources are available within the Blackboard Learn platform.

**Deep Integration.** One-click access to McGraw-Hill Connect assignments and tools—all from within Blackboard Learn<sup>™</sup>.

**One Gradebook.** Automatic grade synchronization with Blackboard gradebook. All grades for McGraw-Hill assignments are recorded in the Blackboard gradebook automatically.

# **Instructor Resources**

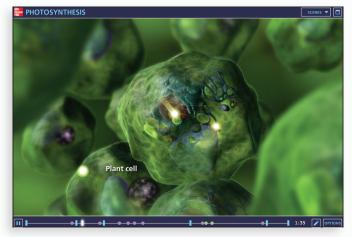
Connect Biology provides easy access to the following resources:

### **Presentation Tools**

- Enhanced image PowerPoints® with editable art
- Lecture PowerPoints with animations
- Animation PowerPoints
- Labeled and unlabeled JPEG files of art, photos, and tables from the textbook.
- Instructor's Manual containing chapter outlines, lecture enrichment ideas, and discussion questions.
- Laboratory Resource Guide to accompany the Concepts of Biology Laboratory Manual

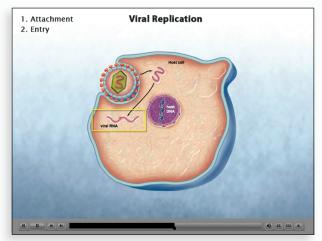
### **Animations for a New Generation**

Dynamic, 3D animations of key biological processes bring an unprecedented level of control to the classroom. Innovative features keep the emphasis on teaching rather than entertaining.



### **New Guided Tutorials**

Prepared by the authors of the textbook to assist students in understanding some of the more difficult topics in biology. Each video explores a specific figure in the text and is narrated by Mader series co-author Michael Windelspecht. During the video, important terms and processes are called out, allowing the student to focus on the key aspects of the figure. A list of tutorials can be found on page vi of the preface.



## **Computerized Test Bank**

A comprehensive bank of test questions is provided within a computerized test bank powered by McGraw-Hill's flexible electronic testing program, **EZ Test Online.** A new tagging scheme allows you to sort questions by Bloom's difficulty level, learning outcome, topic, and section. With EZ Test Online, instructors can select questions from multiple McGraw-Hill test banks or author their own, and then either print the test for paper distribution or give it online.

### Laboratory Manual

The *Concepts of Biology Laboratory Manual* is written by Dr. Sylvia Mader. Every laboratory has been written to help students learn the fundamental concepts of biology and the specific content of the chapter to which the lab relates, as well as gain a better understanding of the scientific method.



### **Companion Website**

#### www.mhhe.com/maderconcepts3

The *Concepts of Biology* companion website allows students to access a variety of free digital learning tools that include

- Animations, videos, and MP3 files
- Chapter-level quizzing
- Vocabulary flashcards
- Virtual Labs
- Biology Prep

### Create

Design your teaching resources to match the way you teach! With McGraw-Hill Create<sup>™</sup> you can easily rearrange chapters, combine material from other content sources, and quickly upload content you have written. Access thousands of leading McGraw-Hill textbooks for content that fits your objectives and arrange your book to fit your teaching style. Create even allows you to personalize your book's appearance by selecting the cover and adding your name, school, and course information. Order a Create book and you'll receive a complimentary print review copy in 3–5 business days or a complimentary electronic review copy (eComp) via email in minutes. Go to **www.mcgrawhillcreate.com** today and register to experience how McGraw-Hill Create<sup>™</sup> empowers you to teach *your* students *your* way.





# The LearnSmart Advantage

# LEARNSMART<sup>®</sup>

**LearnSmart** is the only truly adaptive learning system that intelligently identifies course-content students have not yet mastered and maps out personalized study plans for their success.

When LearnSmart has identified a specific subject area where the student is struggling, he or she is given a "time out" and directed to the textbook section and learning objective for remediation.

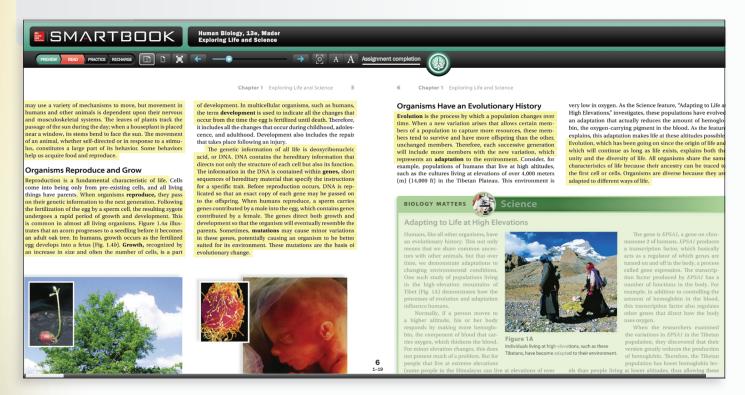
Dynamically generated reports document student progress and areas for additional reinforcement, offering at-a-glance views of their strengths and weaknesses.



# SMARTBOOK

Powered by an intelligent diagnostic and adaptive engine, **SmartBook** facilitates the reading process by identifying what content a student knows and doesn't know through adaptive assessments.

As the student reads, the reading material constantly adapts to ensure the student is focused on the content he or she needs the most to close any knowledge gaps.

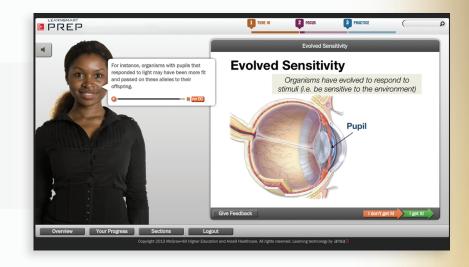


# The Evolution of Learning

MCGRAW-HILL LEARNSMART 
SMARTBOOK 
LEARNSMART PREP 
LEARNSMART LABS 
LEARNSMART ACHIEVE 
LEARNSMART MASTER

## 

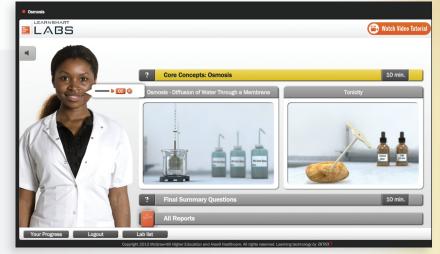
LearnSmart Prep quickly and efficiently prepares students for a college level course. Prep uses a set of diagnostic questions to help identify what a student knows and doesn't know. It then provides a unique learning plan focused on helping the student master the basic skills and concepts he or she needs the most before entering the classroom.



## 

LearnSmart Labs is a super-adaptive simulated lab experience that brings meaningful scientific exploration to students. Through a series of adaptive questions, LearnSmart Labs identifies a student's knowledge gaps and provides resources to quickly and efficiently close those gaps. Once the student has mastered the necessary basic skills and concepts, they engage in a highly realistic simulated lab experience that allows for mistakes and the execution of the scientific method.

Whether your need is to overcome the logistical challenges of a traditional lab, provide better lab



prep, improve student performance, or make your online experience one that rivals the real world, LearnSmart Labs accomplishes it all.

## AN INNOVATIVE SUITE OF **ADAPTIVE LEARNING PRODUCTS** FUELED BY INTELLIGENT AND PROVEN LEARNING TECHNOLOGY

www.LearnSmartAdvantage.com