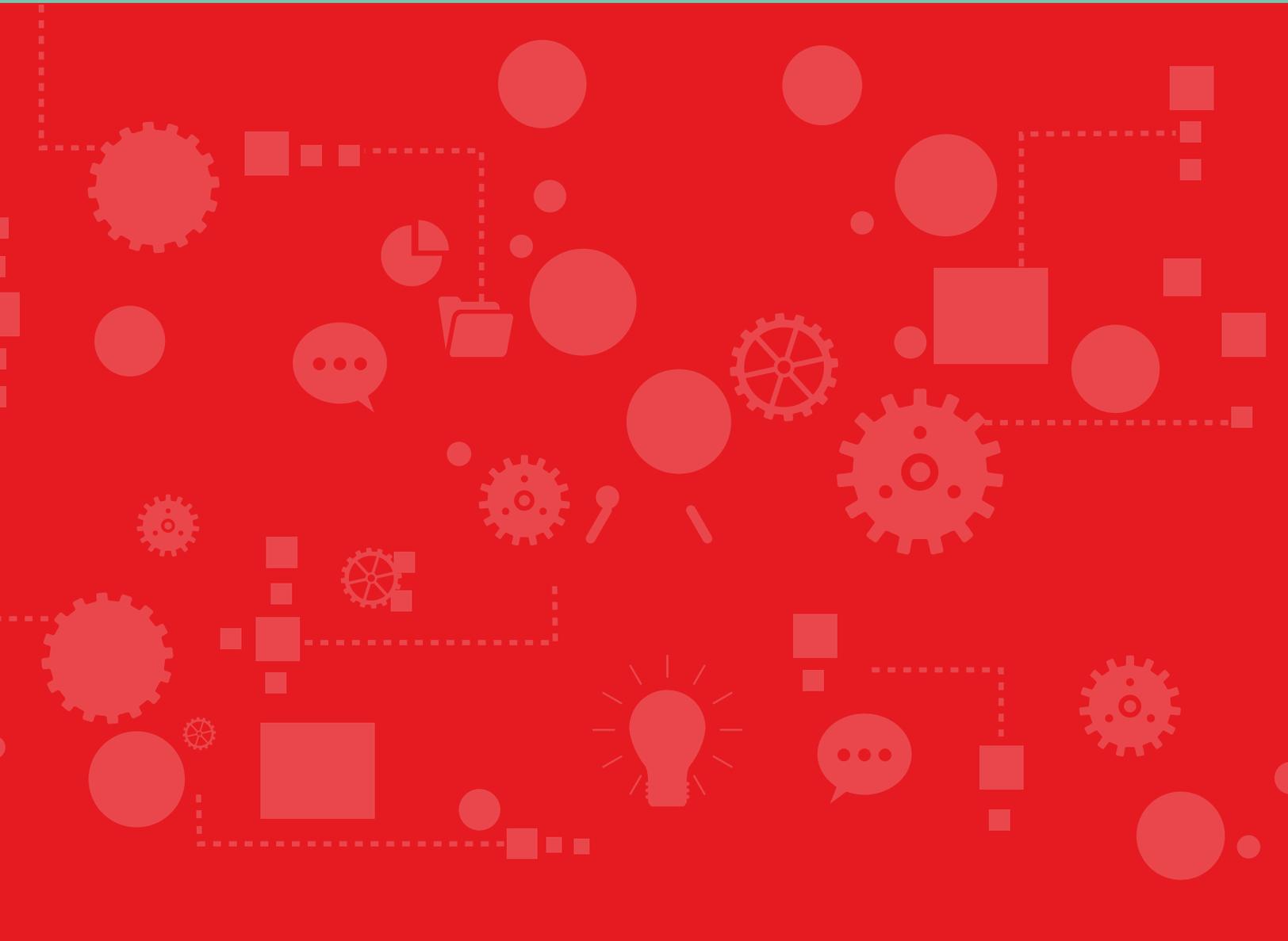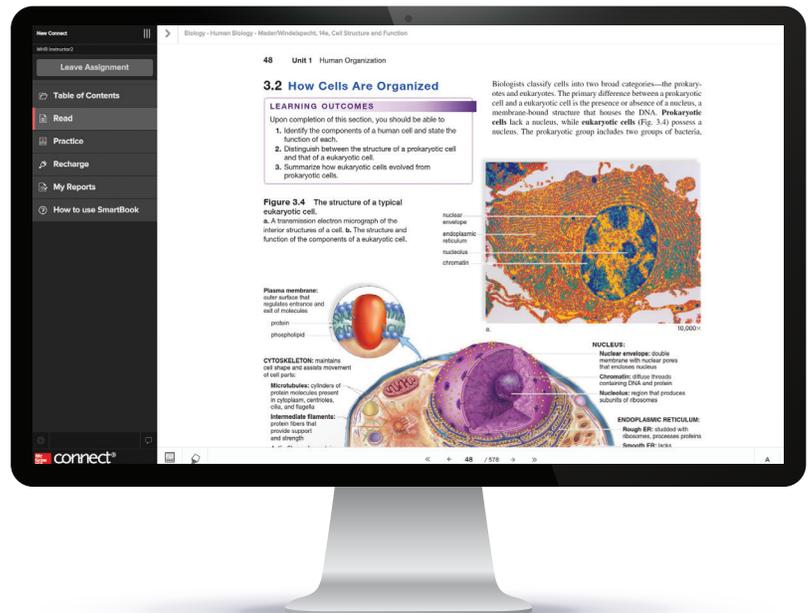# Understanding our Adaptive Engine

McGraw Hill Education

connect®2

SmartBook® Advantage

AWARD-WINNING ADAPTIVE LEARNING SYSTEM

Available within Connect2, SmartBook is an adaptive reading experience. Unlike a typical eBook, SmartBook personalizes the content to a student's individual needs, continually adapting to provide the optimal study path for each learner. This ensures that every minute spent studying with SmartBook is the most productive minute.

HOW DOES IT HELP STUDENTS?

- Studies show SmartBook technology can help increase student grades by a full letter grade.

- Save time by studying smarter. SmartBook makes sure students focus on the things they don't know so they can prioritize their study time.

- SmartBook helps students retain core concepts so instructors can teach at a higher level in class.

- SmartBook provides the right amount of challenge and struggle for each student to drive learning while engaging, motivating and building confidence.

- SmartBook provides feedback in real time so students know exactly how well they know the material.

- With SmartBook reports, educators can tailor their instruction based on learner progress and engagement.

Students read the material and are guided to adaptive highlighting that emphasizes topics they should spend the most time studying.

To ensure mastery and retention, SmartBook directs students to recharge material they're likely to forget.

Read ▶ Practice ▶ Recharge

As students read the material, SmartBook presents questions to help identify what content they know and don't know.

How Our Adaptive Engine Works

Collects Data Points

DATA

DATA

DATA

DATA

Determines Student Confidence Levels

Predicts Memory Decay

DATA

DATA POINTS – 10 PER QUESTION

- Captures the user's behaviour
- Creates a baseline of the student's knowledge
- Determines the next question to assign

STUDENT CONFIDENCE LEVELS

- Collects context from the student
- Shows what they really know as opposed to what they think they know (metacognition)
- Provides opportunity for deliberate practice
- Addresses overconfident learners

MEMORY DECAY PRINCIPLES

- Helps transition course concepts from short-term to long-term memory
- Predicts the exact moment the learner is about to forget something
- Determines question sequencing and enhances retention

Personalized Learning
- **ACCOMMODATES ALL LEARNERS** by adapting more than two times a minute.

Knowledge Retention
- **APPLIES MEMORY DECAY PRINCIPLES** for efficient learning and long-term knowledge retention.

Motivation
- **APPLIES METACOGNITION PRINCIPLES** to gauge learning and boost student motivation.

Productive Studying
- **HELPS STUDENTS OPTIMIZE STUDY TIME** by tailoring the experience to their knowledge gaps.

McGraw Hill Education

connect®2

Your course. Your voice.™

COMPLETE SOLUTION

Unique approach that offers a complete course framework that you can configure with your own content, saving you time and effort to build and manage your course.

PEDAGOGY YOU CAN COUNT ON

Every course is developed by a curriculum design expert to ensure content is aligned with instructional strategies and learning objectives for optimal learning.
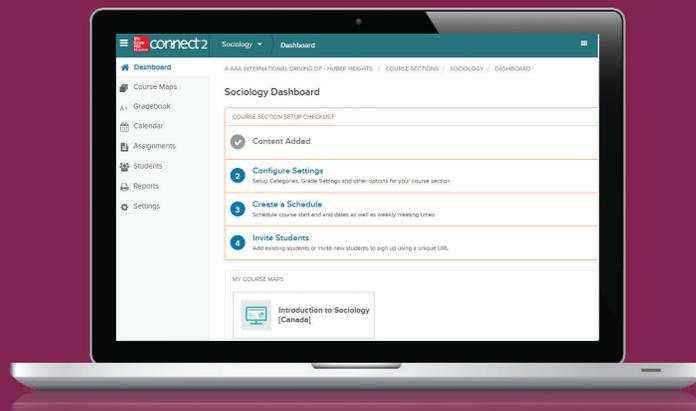
IMPROVE STUDENT PERFORMANCE

Proven adaptive learning system that drives learning mastery with measurable results.

TESTED. PROVEN. PREFERRED.

McGraw-Hill Education offers award-winning teaching and learning technology with proven results spanning hundreds of courses and more than 5 million users globally.

SUPPORT YOU CAN TRUST

Onboarding support and in-program guidelines for a smooth implementation.

Schedule a demo today at www.mheconnect2.com