



# SCIENCE

2019 | 6–12 Catalog

**MIDDLE SCHOOL**

**HIGH SCHOOL**

**AP<sup>®</sup>/  
HONORS &  
ELECTIVES**



[mheducation.com/prek-12](http://mheducation.com/prek-12)

LEARNSMART®

Grades 6-12

# Inspire Science



## LearnSmart®, It's Proven

At McGraw-Hill Education, we recognize that no two students are alike. Using revolutionary adaptive technology, *LearnSmart®* builds a learning experience unique to each student's individual needs.

**Effective** study time makes every minute count

The secret is *SmartBook®*, the first and only adaptive reading experience designed to change the way students read and learn. As the student progresses, *SmartBook®* highlights the most impactful concepts the student needs to learn. This ensures that every minute spent with *LearnSmart®* + *SmartBook®* is the most productive minute possible.

**Engage** students with a friendly challenge format.

Friendly competition pulls learners in and adaptive technology ensures student progress. As the student answers questions, they're given a score that ranks them with their class. *LearnSmart®* adjusts the information presented to each student based upon their strengths and weaknesses as well as their confidence in the material.

**Easy-to-use** lessons for you and your students

When *LearnSmart®* detects content a student is most likely to forget, the student is presented the content for review to improve knowledge retention.

**Efficient** reporting tools help you maximize teaching time.

Real-time reporting tools allow teachers to use their time more efficiently because *LearnSmart®* manages and tracks individual student progress or the progress of the whole class. Teachers can focus on what your students don't understand or still need to learn, rather than what they've already mastered. The end result? Students can better prioritize their time and come to class ready to participate.

Sample report. Progress overview for section: test class

Learner	Time spent (h:mm)	0-25% 26-50% 51-75% 76-99% 100%									
		Chapter 1: Classifying and Naming	Chapter 2: Cell Structure and Function	Chapter 3: From Cells to an Organism	Chapter 4: Reproduction of Org...	Chapter 5: Genetics	Chapter 6: The Environment and...	Chapter 7: Ecology and Ecosystems	Chapter 8: Plants and Fungi	Chapter 9: Plant Diversity	Chapter 10: Plant Processes and...
Assignments		Self study	Self study	Self study	Self study	Self study	Self study	Self study	Self study	Self study	Self study
Average	0:07	90%	91%	92%	92%	90%	87%	88%	89%	91%	89%
Student 33	0:07	92%	90%	93%	92%	89%	86%	82%	86%	84%	93%
Student 1	0:07	94%	71%	91%	96%	96%	93%	81%	84%	88%	96%
Student 43	0:07	92%	89%	97%	99%	89%	94%	85%	83%	99%	90%
Student 34	0:07	99%	93%	90%	94%	96%	93%	91%	90%	93%	95%
Student 2	0:07	92%	95%	87%	90%	91%	82%	82%	95%	92%	85%
Student 44	0:07	96%	94%	98%	94%	90%	92%	97%	83%	87%	95%
Student 35	0:07	98%	96%	97%	91%	95%	94%	97%	86%	96%	96%
Student 3	0:07	93%	99%	86%	81%	95%	94%	84%	94%	99%	87%
Student 45	0:07	96%	91%	90%	91%	90%	82%	84%	90%	97%	94%
Student 36	0:07	97%	92%	99%	94%	99%	93%	98%	92%	95%	98%
Student 4	0:07	92%	93%	98%	86%	99%	90%	97%	82%	93%	95%
Student 46	0:07	96%	99%	96%	97%	99%	93%	99%	95%	98%	98%
Student 37	0:07	95%	91%	92%	92%	92%	89%	98%	84%	92%	97%
Student 5	0:07	99%	94%	96%	93%	93%	88%	84%	89%	96%	99%
Student 47	0:07	98%	99%	93%	97%	93%	89%	85%	94%	94%	97%

Sample report. Most challenging objectives for section:

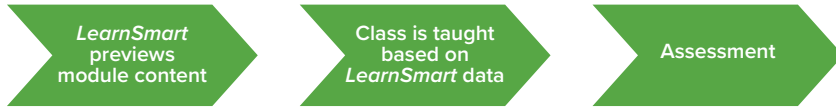
Module: Chapter 1: Classifying and Naming Life	
Module: Chapter 2: Cell Structure and Function	
Objective	Score
Identify the levels of organization of life	95%
Identify the characteristics of life	95%
Identify the characteristics of cells	95%
Identify the characteristics of tissues	95%
Identify the characteristics of organs	95%
Identify the characteristics of organ systems	95%
Identify the characteristics of organisms	95%
Identify the characteristics of populations	95%
Identify the characteristics of communities	95%
Identify the characteristics of ecosystems	95%
Identify the characteristics of biomes	95%
Identify the characteristics of the biosphere	95%
Module: Chapter 3: From Cells to an Organism	
Objective	Score
Identify the characteristics of cells	95%
Identify the characteristics of tissues	95%
Identify the characteristics of organs	95%
Identify the characteristics of organ systems	95%
Identify the characteristics of organisms	95%
Identify the characteristics of populations	95%
Identify the characteristics of communities	95%
Identify the characteristics of ecosystems	95%
Identify the characteristics of biomes	95%
Identify the characteristics of the biosphere	95%
Module: Chapter 4: Reproduction of Organisms	
Objective	Score
Identify the characteristics of cells	95%
Identify the characteristics of tissues	95%
Identify the characteristics of organs	95%
Identify the characteristics of organ systems	95%
Identify the characteristics of organisms	95%
Identify the characteristics of populations	95%
Identify the characteristics of communities	95%
Identify the characteristics of ecosystems	95%
Identify the characteristics of biomes	95%
Identify the characteristics of the biosphere	95%



# Integrating *LearnSmart*® with *SmartBook*® Into Your Classroom.

## Model 1: Flipped

Send students into *LearnSmart*® to do the “preview,” “read,” “start practice,” and “recharge” so they learn content before coming to class. During class, align the lesson with the *LearnSmart*® assignment. Finish the lesson with the assessment for the module. Start the cycle with the next module.



## Model 2: Homework

Introduce the content in class, then assign students to work in *LearnSmart*® at home. From this work in *LearnSmart*® at home, **differentiate instruction** based on what students know and don't know. Finish the unit with the assessment.



## Model 3: Review

Give the entire lesson. Students then use *LearnSmart*® to review for the assessment. Throughout the year, use the recharge function to make sure students are ready for the longer, end-of-course assessment.



## *LearnSmart*® is part of your *Inspire Science* program:

### MIDDLE SCHOOL

*Inspire Science 6-8 Integrated*

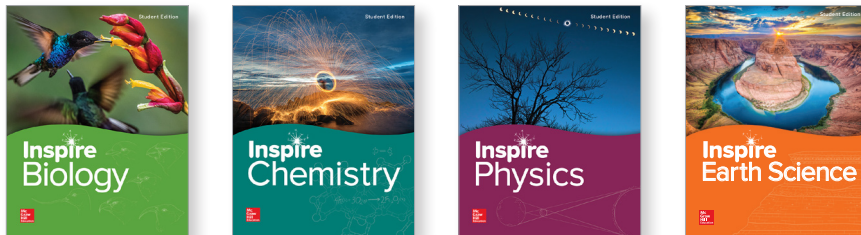


*Inspire Science: Earth and Space, Life Science, Physical Science*



### HIGH SCHOOL INSPIRE SCIENCE

*Inspire Biology, Inspire Chemistry, and Inspire Physics*



# LEARNSMART®

To learn more, visit [inspire-science.com/6-12](https://inspire-science.com/6-12)

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# Inspire Science

## Explore Our Phenomenal World

Learning begins with curiosity. *Inspire Science* provides an in-depth, collaborative, and project-based learning experience designed to help you spark students' interest and empower them to ask more questions and think more critically. Through inquiry-based, hands-on investigations of real-world phenomena, your students will be able to construct explanations for scientific phenomena or design solutions for real-world problems.

Are you ready to bring science off the page and beyond the four walls of your classroom?



### Inspire Curiosity

Spark critical thinking.



### Inspire Investigation

Spark inquiry-driven, hands-on exploration.



### Inspire Innovation

Spark creative solutions to real-world challenges.



### Go Online

Go to [inspire-science.com/6-12](https://inspire-science.com/6-12) for more information



(Four Consumable Units Per Grade)

## ***Inspire Science: Integrated Grade 6 © 2020***

### **Student Materials**

#### **Print Student Editions**

Unit 1 .....	978-0-07-687330-7 .....	\$19.98
Unit 2 .....	978-0-07-687333-3 .....	19.98
Unit 3 .....	978-0-07-687334-0 .....	19.98
Unit 4 .....	978-0-07-687335-7 .....	19.98

#### **Digital Student Edition**

1-year subscription .....	978-0-07-678689-3 .....	\$30.00
6-year subscription .....	978-0-07-687182-7 .....	90.00

#### **Complete Student Bundle**

1-year subscription .....	978-0-07-687449-1 .....	\$76.50
6-year subscription .....	978-0-07-687452-1 .....	99.00

### **Teacher Materials**

#### **Print Teacher Editions**

Unit 1 .....	978-0-07-687186-5 .....	\$90.00
Unit 2 .....	978-0-07-687187-2 .....	90.00
Unit 3 .....	978-0-07-687188-9 .....	90.00
Unit 4 .....	978-0-07-687323-4 .....	90.00

#### **Digital Teacher Editions**

1-year subscription .....	978-0-07-687325-8 .....	\$48.00
6-year subscription .....	978-0-07-687328-9 .....	198.00

### **Teacher Resources**

Poster Package (10 posters) .....	978-0-07-687329-6 .....	\$19.98
Collaboration Kit Unit 1 .....	978-0-07-685748-7 .....	539.25
Collaboration Kit Unit 2 .....	978-0-07-686373-0 .....	108.15
Collaboration Kit Unit 3 .....	978-0-07-686374-7 .....	692.40
Collaboration Kit Unit 4 .....	978-0-07-686375-4 .....	249.60
Consumable Kit Unit 1 .....	978-0-07-696528-1 .....	132.60
Consumable Kit Unit 2 .....	978-0-07-696529-8 .....	84.60
Consumable Kit Unit 3 .....	978-0-07-696532-8 .....	104.40
Consumable Kit Unit 4 .....	978-0-07-696533-5 .....	70.20

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(Four Consumable Units Per Grade)

## ***Inspire Science: Integrated Grade 7 © 2020***

### **Student Materials**

#### **Print Student Editions**

Unit 1 .....	978-0-07-687453-8 .....	\$19.98
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### **Teacher Resources**

Poster Package (12 posters) .....	978-0-07-687488-0 .....	\$19.98
Collaboration Kit Unit 1 .....	978-0-07-685749-4 .....	851.25
Collaboration Kit Unit 2 .....	978-0-07-686376-1 .....	531.00
Collaboration Kit Unit 3 .....	978-0-07-686377-8 .....	317.25
Collaboration Kit Unit 4 .....	978-0-07-686378-5 .....	348.75
Consumable Kit Unit 1 .....	978-0-07-696534-2 .....	280.50
Consumable Kit Unit 2 .....	978-0-07-696541-0 .....	199.80
Consumable Kit Unit 3 .....	978-0-07-696595-3 .....	99.60
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(Four Consumable Units Per Grade)

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Unit 1 .....	978-0-07-687489-7 .....	\$19.98
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Unit 3 .....	978-0-07-687493-4 .....	19.98
Unit 4 .....	978-0-07-687532-0 .....	19.98

#### **Digital Student Edition**

1-year subscription .....	978-0-07-687526-9 .....	\$30.00
6-year subscription .....	978-0-07-687528-3 .....	90.00

#### **Complete Student Bundles**

1-year subscription .....	978-0-07-687549-8 .....	\$76.50
6-year subscription .....	978-0-07-687550-4 .....	99.00

### **Teacher Materials**

#### **Print Teacher Editions**

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Unit 3 .....	978-0-07-687533-7 .....	90.00
Unit 4 .....	978-0-07-687534-4 .....	90.00

#### **Digital Teacher Editions**

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Collaboration Kit Unit 3.....	978-0-07-686380-8.....	633.15
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Consumable Kit Unit 1.....	978-0-07-696599-1 .....	132.00
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(Four Consumable Units Per Grade)

## *Inspire Science: Life Science* © 2020

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Unit 4 .....	978-0-07-688366-0 .....	19.98

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1-year subscription .....	978-0-07-688398-1 .....	\$76.50
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### Teacher Materials

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Unit 3 .....	978-0-07-688380-6 .....	90.00
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### Teacher Resources

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Collaboration Kit Unit 3 .....	978-0-07-686389-1 .....	746.10
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Consumable Kit Unit 1 .....	978-0-07-696613-4 .....	148.05
Consumable Kit Unit 2 .....	978-0-07-696614-1 .....	135.00
Consumable Kit Unit 3 .....	978-0-07-696615-8 .....	138.60
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(Four Consumable Units Per Grade)

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Unit 4 .....	978-0-07-688287-8 .....	19.98

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#### Complete Student Bundles

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Unit 3 .....	978-0-07-688309-7 .....	90.00
Unit 4 .....	978-0-07-688310-3 .....	90.00

#### Digital Teacher Editions

1-year subscription .....	978-0-07-688314-1 .....	\$48.00
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### **Teacher Resources**

Poster Package (15 posters) .....	978-0-07-688318-9 .....	\$19.98
Collaboration Kit Unit 1 .....	978-0-07-685753-1 .....	390.30
Collaboration Kit Unit 2 .....	978-0-07-686382-2 .....	649.20
Collaboration Kit Unit 3 .....	978-0-07-686383-9 .....	249.60
Collaboration Kit Unit 4 .....	978-0-07-686384-6 .....	432.90
Consumable Kit Unit 1 .....	978-0-07-696603-5 .....	104.25
Consumable Kit Unit 2 .....	978-0-07-696604-2 .....	70.50
Consumable Kit Unit 3 .....	978-0-07-696605-9 .....	69.60
Consumable Kit Unit 4 .....	978-0-07-696608-0 .....	214.95

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# INSPIRE BIOLOGY © 2020

## High School

*Inspire Biology* provides an in-depth, collaborative, and project-based learning experiencing focused on the science of biology.

The program covers ecology, cell biology, genetics, the history of biological diversity, the diversity of life, and the human body, as well as cross-curricular earth science topics. Through inquiry-based and hands-on investigations of real-world phenomenon, students will construct explanations for scientific phenomenon and design solutions for real-world problems.

### Resources

- **Student Center** engages students with interactive learning resources, assessments, communication tools, and so much more.
- **Teacher Center** allows the use of a broad range of devices with an Internet connection to access your dashboard and increase your productivity with ready-made lessons and assessments, search features, a resource library and much more.
- **Science and Engineering Practices Handbook** introduces practices to students that support their scientific investigations and engineering projects.
- **Reading Essentials** accommodates students with different reading levels to support the teaching of struggling readers.
- **LearnSmart®** is both adaptive and interactive to help students learn faster and increase their knowledge retention.
- **Science Probes** present a real-world phenomenon or core concept that is used to promote student thinking and discussion, revealing commonly-held misconceptions and initial ideas student bring to their learning so you can best inform your instruction.
- **Read Anywhere App** allows you to access your eBook anywhere at any time.
- **Assessment** supports many types of evaluations, including technology enhanced questions, online scoring and reporting for digital and/or print distribution.
- **Professional Development** resources are available 24/7, and include pertinent information on new science standards and the implementation of best practices.





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25. Digestive and Endocrine Systems
26. Human Reproduction and Development
27. The Immune System

*Inspire Biology* © 2020

### Student Materials

Print Student Edition ..... 978-0-02-145262-0 ..... \$78.00

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1-year subscription ..... 978-0-07-688436-0 ..... \$85.50

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### Teacher Materials

Print Teacher Editions ..... 978-0-07-688434-6 ..... \$180.00

#### Digital Teacher Editions

1-year subscription ..... 978-0-07-671664-7 ..... \$48.00

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# INSPIRE CHEMISTRY

## © 2020

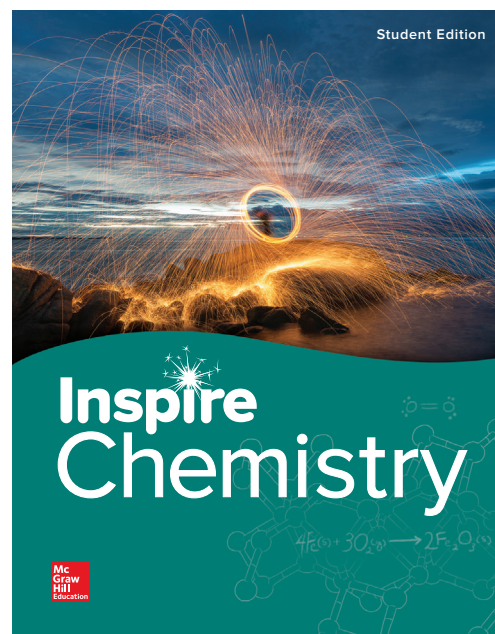
### High School

*Inspire Chemistry* provides an in-depth, collaborative, and project-based learning experiencing focused on the science of chemistry.

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- **Science and Engineering Practices Handbook** introduces practices to students that support their scientific investigations and engineering projects.
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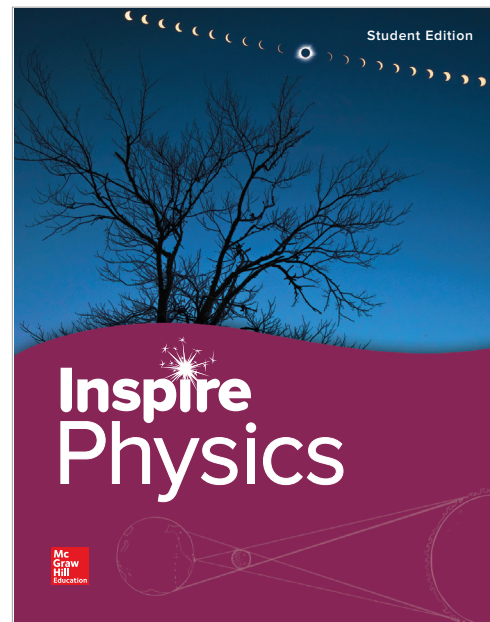
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8. Energy Sources and the Environment

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17. Elements and Their Properties

### Unit 5 Reactions

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19. Chemical Reactions
20. Radioactivity and Nuclear Reactions

### Unit 6 Applications of Chemistry

21. Solutions
22. Acids, Bases, and Salts
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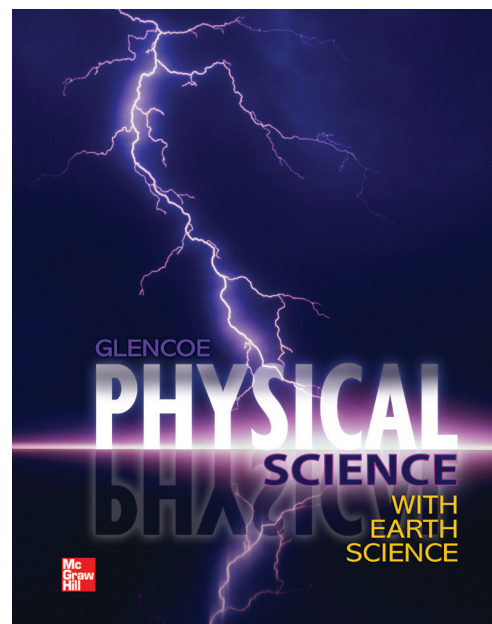
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26. Earth Materials
27. Earth's Changing Surface
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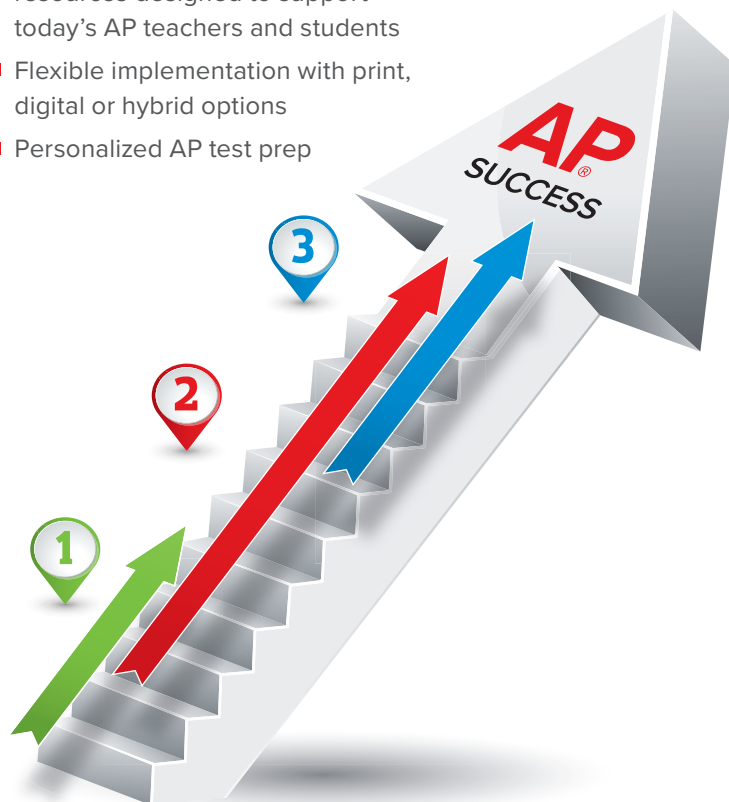
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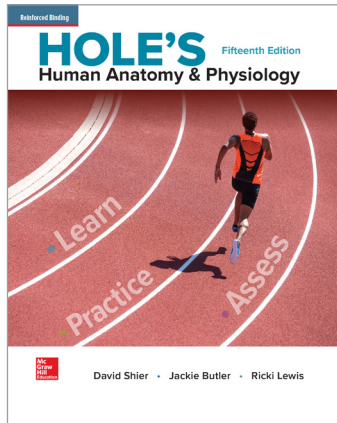
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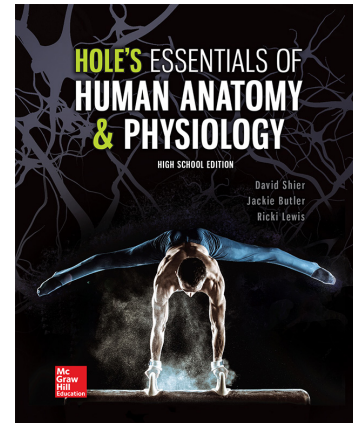
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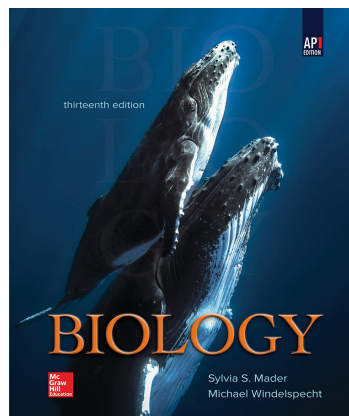
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## Biology

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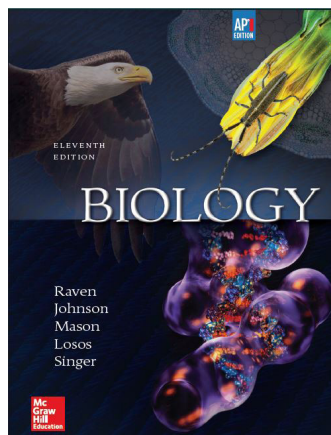
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### The Comprehensive Solution for AP Biology Success

*Biology*, a more comprehensive text, is fully aligned to the College Board AP Curriculum Framework and offers additional content coverage to enhance the teaching and learning experience. The *Biology* learning system uses dynamic tools and chapter designations to differentiate AP essential knowledge from AP extended knowledge providing focus on key concepts, and context for supporting materials. Authored by a team of field experts, this inquiry-based approach text features:

- Big ideas and science practices introduced in Chapter 1.
- A new Focus Review Guide workbook, which helps students review and apply the essential AP content covered in each chapter.
- An AP *SmartBook<sup>™</sup>* focused on core content chapters and AP Biology Chapter Banks for practice answering AP-style questions.

#### AP advantage Print and Digital Bundle

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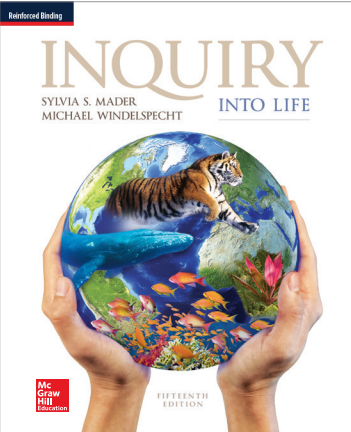
6-year .....	978-0-07-903250-8 .....	256.47
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For a complete list of digital resources included in the AP advantage, see page18-19

# Honors Biology

*Inquiry Into Life*

Fifteenth Edition © 2017  
Mader



## Present Honors Biology from a Human Perspective

*Inquiry into Life* offers a unique approach to biology by explaining basic biological concepts and processes with a human emphasis, making biology relevant and understandable to students. Author Dr. Sylvia Mader’s teaching system motivates students to understand and appreciate the wonders of biology. Coupled with a modern digital approach, this traditional learning system is designed to both engage and encourage today’s student. This edition offers:

- **Connect®** with auto-gradable and interactive assessment material tied to learning outcomes
- A **SmartBook®** adaptive eBook that creates a personalized reading experience for each student

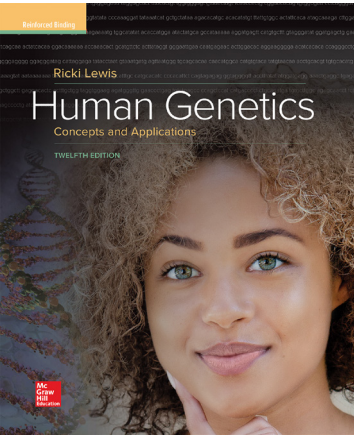
Standard Student Bundle (Student Edition with Connect®)			
6-year	978-0-07-671559-6	149.61	
1-year	978-0-07-671557-2	145.11	
Connect® Subscription			
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1-year	978-0-07-667408-4	114.60	

Connect® includes access to a SmartBook™ adaptive eBook and additional digital teaching and learning resources.

# Electives Biology

*Human Genetics: Concepts and Applications*

Twelfth Edition © 2018  
Lewis



## Explore the Science of Human Genetics

Illuminate the principles and concepts of the once obscure science of genetics with *Human Genetics: Concepts and Applications*. This new 12th edition is updated to reflect the evolution of genetics, presenting the study of genomic variation and heredity in organisms as the basis for medical science. Updated content empowers students with:

- Learning outcomes in each chapter that guide students through content mastery.
- The Big Picture which encapsulates the overall theme of each chapter.
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- **SmartBook™**, an adaptive eBook that personalizes reading content for each student.

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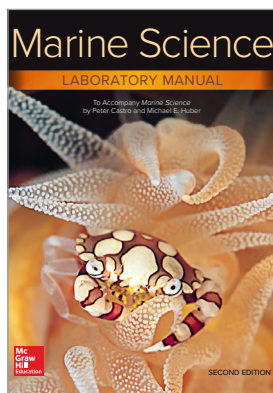
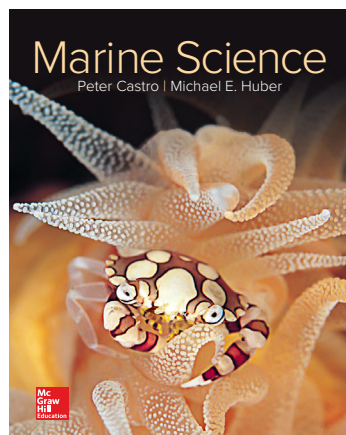
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# Electives Biology

## Marine Science

Second Edition © 2019

Castro • Huber



### An Interconnected, Global Perspective of the World Ocean

The first edition of *Marine Science* became an instant 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 coverage through chapter-level NGSS integration, more robust chapter reviews, additional unit projects, and ELL support. Students' and Teachers' Favorite Features Include:

- Inquiry Activities, and Chapter Banks correlated to the Ocean Literacy Standards
- Marine Science Lab Manual with 34 labs that do not require ocean access
- A robust Teacher's Manual with a detailed pacing guide, chapter summaries, Key Question & Vocabulary Activities, and Chapter Projects

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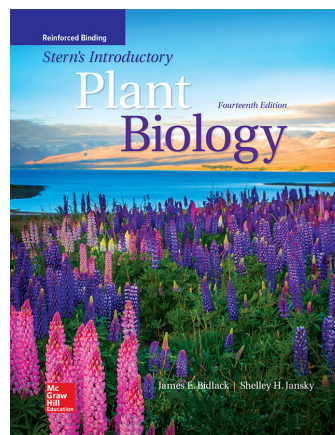
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## Stern's Introductory Plant Biology

Fourteenth Edition © 2018

Bidlack



### An Introduction to Botany

*Stern's Introductory Plant Biology* assumes little prior scientific knowledge on the part of the student. Stern emphasizes current interests while presenting basic botanical principles. Students will be introduced to the new classification of plants and plant-related species, integration of biotechnology into several chapters and inclusion of new text boxes addressing ecology, evolution, and molecular biology.

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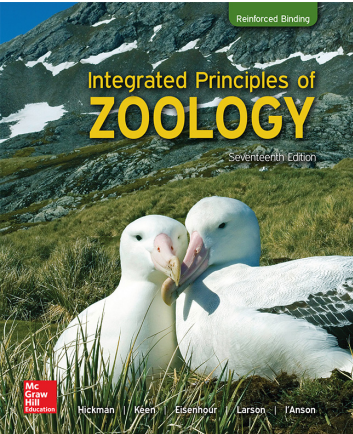
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Connect® includes access to a SmartBook™ adaptive eBook and additional digital teaching and learning resources.



# Zoology

*Integrated Principles of Zoology*  
Seventeenth Edition © 2017  
Hickman



## The Comprehensive Market Leader in Zoology

Emphasizing the central role of evolution in generating diversity, *Integrated Principles of Zoology* describes animal life and the fascinating adaptations that enable animals to inhabit so many ecological niches. Featuring high-quality illustrations and photographs set within an engaging narrative, *Integrated Principles of Zoology* is considered the standard by which other texts are measured. With its comprehensive coverage of biological and zoological principles, mechanisms of evolution, diversity, physiology, and ecology, this text is organized for easy access. This edition also includes:

- *Connect*® with auto-gradable and interactive assessment material tied to learning outcomes.
- A *SmartBook*® adaptive eBook that creates a personalized reading experience for each student

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*Zoology*  
Eleventh Edition © 2019  
Miller



## Ideal for an Introductory Zoology Course

*Zoology* emphasizes ecological and evolutionary concepts and helps students understand the process of science through elements of chapter organization and boxed readings.

Integrated throughout, features including Evolutionary Insights provide insight to how evolutionary biology works, and the Wildlife Alerts feature that presents the ecological perspective depicting the plight of animals and how the ecosystem relates to preserving animal species.

This edition offers:

- *Zoology* includes access to robust digital resources for teachers and students, including:
- Online Instructor’s Manual including chapter outlines, teaching suggestions, and ideas for lecture enrichment and customizable PowerPoints.
- An eBook and *SmartBook*® adaptive reading experience, designed to help students learn faster, study more efficiently, and retain more knowledge.

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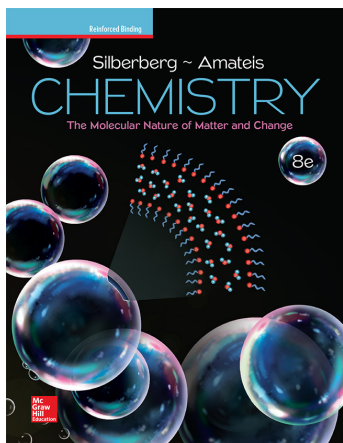
Access to the Online Student Edition includes access to a *SmartBook*™ adaptive eBook and additional digital learning resources. Teacher resources include eBook, *SmartBook*, Teacher’s Manual, PowerPoint presentations, assignable resources, Gradebook, Pacing Guides, and more.



# AP<sup>®</sup> Chemistry

## *Chemistry: The Molecular Nature of Matter and Change*

Eighth Edition © 2018  
Silberberg



### A Conceptual Approach to AP Chemistry

Silberberg's *Chemistry* provides a 100% aligned, conceptual option for AP Chemistry. The text contains unprecedented macroscopic-to-microscopic molecular illustrations, consistent step-by-step worked exercises in every chapter, and an extensive range of end-of-chapter problems. With a solid integration of STEM related fields, this text also features:

- An updated AP Teacher Manual that provides a pacing guide as well as activities and questions aligned to the curriculum.
- Updated AP Test Banks that have been expanded to help students succeed on the AP Chemistry exam.
- A *SmartBook* adaptive eBook that creates a personalized reading experience for each student.

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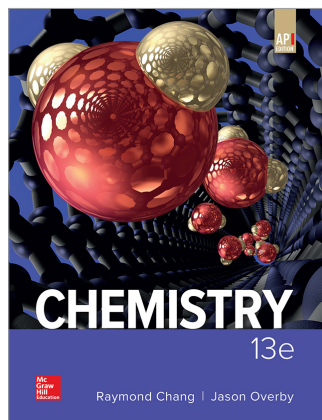
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## *Chemistry*

Thirteenth Edition © 2019  
Chang



### A Traditional Approach to AP Chemistry

The straightforward, clear writing style and proven problem-solving strategies make Chang's *Chemistry* a favorite of teachers and students. Chapter-opening Essential Questions guide students in pinpointing essential AP content, including the Big Ideas they will study in the chapter. *Chemistry* is 100% aligned to the AP framework and includes:

- A new AP Focus Review Guide workbook, which helps students review and apply the essential AP content covered in each chapter.
- An AP Teacher's Manual that provides teaching strategies, suggested activities, and labs.
- An AP *SmartBook*™ adaptive eBook that creates a personalized reading experience for each student.

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# AP<sup>®</sup> Environmental Science

## *Environmental Science: A Global Concern, AP Edition*

Fourteenth Edition © 2018  
Cunningham



### A Global View of Environmental Science for AP Students

Our NEW AP Edition of *Environmental Science: A Global Concern* continues to emphasize critical thinking, environmental responsibility, and global awareness, but now includes additional features that emphasize its AP focus. AP Connections on the chapter openers pinpoint the AP topics and key concepts covered in the chapter as well as the location of Skills and Practice to prepare for the AP Exam. Additionally, the AP-style chapter assessments include a vocabulary review, multiple choice questions, and free-response questions. *Environmental Science* also includes:

- Data Analysis Lab and Use the Math features to prepare students for the mathematical requirements of the AP exam.
- An AP Teacher's Manual that correlates each chapter to the APES Curriculum Framework as well as providing a pacing guide and useful activities.
- An AP *SmartBook*<sup>™</sup> adaptive eBook that creates a personalized reading experience for each student.

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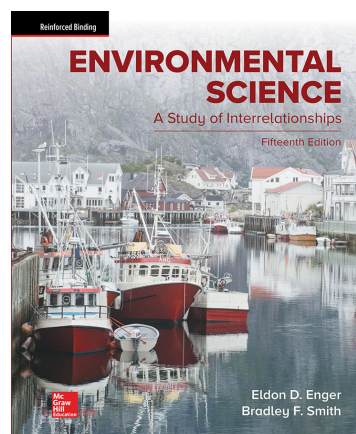
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1-year .....	978-0-07-903359-8 .....	154.50

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# Honors Environmental Science

## *Environmental Science: A Study of Interrelationships*

Fifteenth Edition © 2019  
Enger • Smith



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

*Environmental Science: A Study of Interrelationships*, a full-color, introductory environmental science text is known for being concise and conceptual. The approach and reading level cover the basic concepts without overloading students with too much detail. Also available with *Environmental Science* is an online learning system that contains *SmartBook*<sup>™</sup>, an adaptive eBook built on the *LearnSmart*<sup>™</sup> engine.

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# Astronomy

## *Explorations: Introduction to Astronomy*

Ninth Edition © 2020

Arny



**COMING IN 2020!**

### A Comprehensive Solution for an Introductory Astronomy Course

The ninth edition retains its approachability and use of analogies and examples from the world around us to help students understand more complex content. This new edition includes the latest results and analysis of exoplanets that continue to change our views about planets and planetary systems. Coverage of fascinating new discoveries such as the interstellar asteroid 'Oumuamua, gravitational waves from merging black holes, and neutron stars by LIGO ensure the learning is both exciting and current.

This edition also offers:

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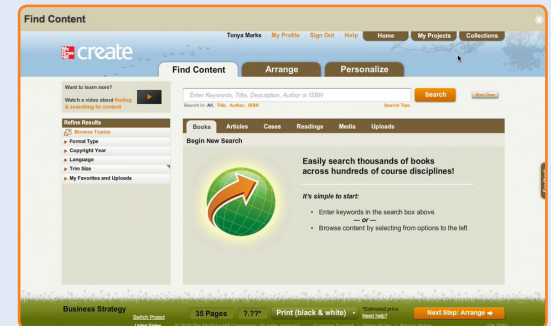


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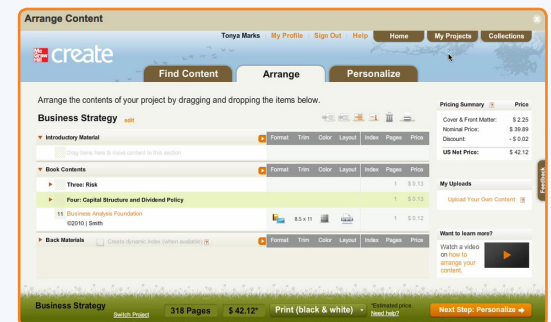
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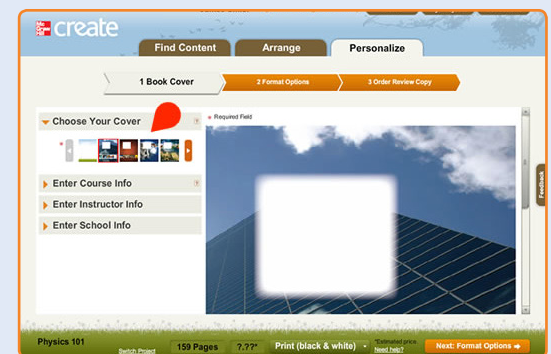
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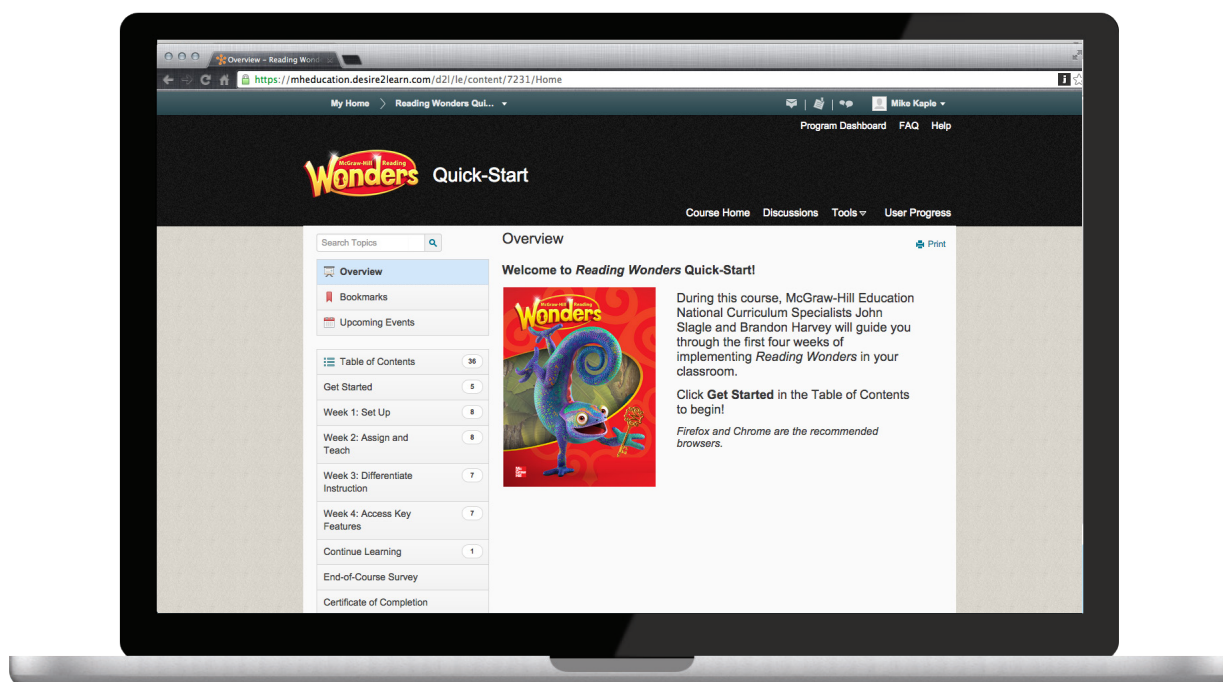


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# PROFESSIONAL DEVELOPMENT

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Use the principles of effective professional learning to create a deep understanding of:

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[www.mheonline.com/professional\\_development/view/3](http://www.mheonline.com/professional_development/view/3)

MHID: 0-02-145469-8

Common Core Mastery: Analytical Writing

ISBN : 978-0-07-674480-0

[www.mheonline.com/professional\\_development/view/3](http://www.mheonline.com/professional_development/view/3)

MHID: 0-07-674480-9

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## Mobile Resources



### New Teacher GPS App

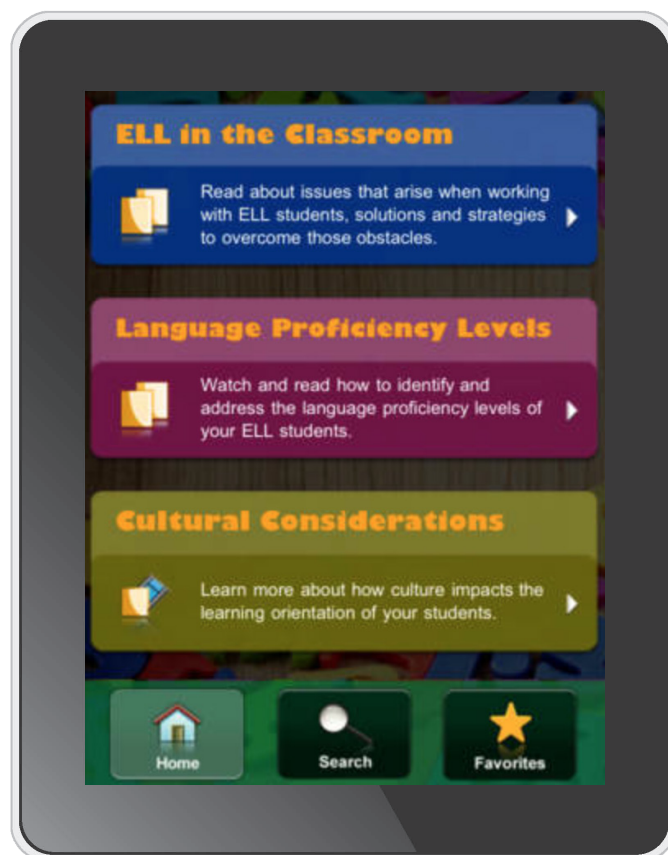
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