



TEXAS

# Texas Proclamation 2017

HEALTH SCIENCE, AGRICULTURE AND TECHNICAL TRADES

# Elevate classroom learning with our career and technical education solutions!

National Geographic Learning, part of Cengage Learning, provides a portfolio of quality materials for K–12 education. Our trusted and respected programs from our imprints, such as Delmar and South-Western, have been supporting you and your students for over 100 years. Our digital and textbook resources fully support 21st Century Skills development and college and career readiness. Our solutions, driven by innovative technology and authoritative content, engage and empower your learners to achieve success in the classroom and beyond.

## OUR PROGRAMS HELP STUDENTS AND TEACHERS SUCCEED WITH:

- College & Career Readiness
- 21st Century Skill Development
- Industry Certification
- Career Cluster Pathways
- Correlated TEKS Content

## DIGITAL SOLUTIONS

### Engage, Prepare, Succeed

To enhance our amazing content, we offer an array of digital solutions and services that improve student engagement and results through eBooks and complete, online programs. Our dedicated Digital Course Support professionals will provide hands-on assistance from start to finish!



*This personal learning environment combines the eBook and resources into a singular Learning Path*



*Students have access anytime on almost any device with this downloadable eBook*

### Instructor Resources

*Our online Instructor Resources are filled with tools to help plan effective and engaging lessons. Instructor Resources may include test banks and engines, presentations, teacher manuals, figure files, and more!*

## OUR COMMITMENT TO YOU

National Geographic Learning is committed to teacher excellence. Hundreds of content experts and consultants have been trained and are ready to provide you with seamless implementation of our programs, share best practices, and customize training to your school and district needs.

# MindTap

## Tap into the **personalized** teaching experience

MindTap is a personalized teaching experience with relevant assignments that guide students to analyze, apply, and improve thinking, allowing you to measure skills and outcomes with ease.



### Elevate Thinking

Relevant readings, multimedia, and activities are designed to take students up the levels of learning, from basic knowledge to analysis and application.

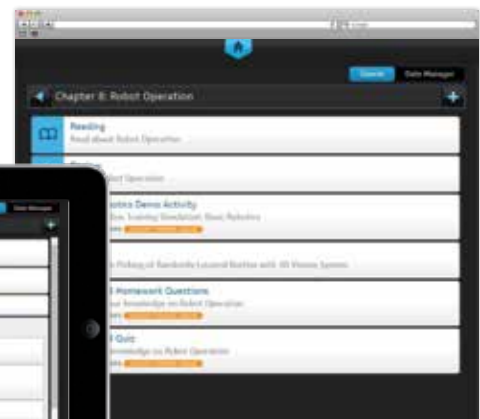


### Promote Better Outcomes

Analytics and reports provide a snapshot of class progress, time in course, engagement and completion rates.

### Personalize Your Course

Personalized teaching becomes yours through a Learning Path built with key student objectives and your syllabus in mind. Control what students see and when they see it.



*“MindTap has been extremely easy to use. You can use it just to access your textbook or use it to the fullest and assign readings and assignments. Its flexibility is very valuable and can be adapted to your comfort level with technology.”*

— Jennifer Blair, Katy High School

Tap into more info at:  
**NGL.Cengage.com/MindTap**

Request FREE trial access  
**NGL.Cengage.com/highschoolreview**

At National Geographic Learning, we proudly represent Cengage Learning technical trades, health science, and skills programs that inspire student achievement and promote career readiness through real-world application and industry-aligned resources.

HEALTH SCIENCE

Principles of Health Science and Health Science Theory



**DHO Health Science Updated**

8th Edition © 2017

- Comprehensive in coverage, this wide-ranging text provides a solid foundation in essential topics such as medical terminology, anatomy and physiology, communication skills, legal requirements, and professional standards and appearance, as well as career-specific skills in popular fields like dental assisting, medical assisting, and nurse assisting.
- Conforms to the enhanced National Healthcare Foundation Standards.
- Includes content updates on topics relevant to today's health science professionals, as well as career information updated and organized according to the Health Science Career Clusters.



This personal learning environment combines the eBook and resources into a singular Learning Path

**DHO Health Science Updated 8th Edition Adoption Packages – Health Science Theory**

Student Edition + MindTap (8-Year)	9781337433051	\$130.00
Digital Only—MindTap (8-Year)	9781337460576	\$110.00

**Instructor Package** 9781305993020

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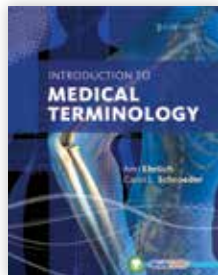
Instructor's Edition eBook

Instructor's Manual

Instructor's Resource CD ROM

Instructor Resource Kit

Medical Terminology



**Introduction to Medical Terminology**

3rd Edition © 2015

- Designed for your beginning health care students, this text simplifies the process of learning hundreds of complex medical terms.
- The See and Say pronunciation system makes pronouncing unfamiliar terms easy.
- Organized by body system, chapters begin with an overview of the structures and functions of that system so your students can relate these to the specialties, pathology, diagnostic, and treatment procedures that follow.



This personal learning environment combines the eBook and resources into a singular Learning Path

**Adoption Packages**

Student Edition + MindTap (8-Year)	9781337433082	\$95.00
Digital Only—MindTap (8-Year)	9781337460606	\$75.00

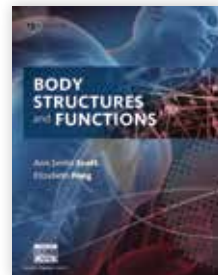
**Instructor Package** 9781305991095

Instructor's Edition eBook

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Instructor's Resource CD-ROM

Anatomy and Physiology



**Body Structures and Functions**

13th Edition © 2017

- Provides a thorough introduction to the basics required for the study of the human body and how it functions.
- Walks students step by step from a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, to an overall review of human development and body processes.
- A new Media link feature directs students to 3D anatomy, physiology, and pathophysiology.



This personal learning environment combines the eBook and resources into a singular Learning Path

**Adoption Packages**

Student Edition + MindTap (8-Year)	9781337433099	\$94.00
Digital Only—MindTap (8-Year)	9781337460613	\$74.00

**Instructor Materials**

Instructor's Edition eBook 9781285148045

Online Companion Site with Cengage Learning Testing, powered by Cognero®



- Module-based, interactive learning environment
- Labs increase comprehension and critical thinking skills
- Integrated directly into the MindTap Learning Path



1-year and 3-year bundle pricing also available

## AGRISCIENCE

Principles of Agriculture, Food, Natural Resources



### Agrisience: Fundamentals and Applications

6th Edition © 2015

- Designed specifically for use in high school agriculture programs, this edition provides students with a comprehensive overview of the agricultural industry and the industry-based sciences.
- Coverage of topics such as the information age, natural resources, integrated pest management, plant sciences, animal science, food science, and communication and management.
- Includes updated visual aids, glossary, and science and agricultural profiles.

### MindTap

*This personal learning environment combines the eBook and resources into a singular Learning Path*

#### Adoption Packages

Student Edition + MindTap (8-Year)	9781337459785	\$115.00
Digital Only—MindTap and VitalSource (8-Year)	9781337460620	\$95.00

#### Instructor Package

9781305993112

Instructor's Edition eBook

Online Companion Site with Cengage Learning, powered by Cognero®

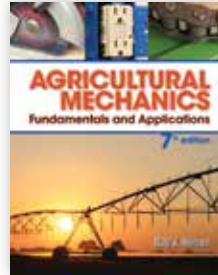
Classmaster CD-ROM

Laboratory Manual



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Agricultural Mechanics and Metal Technologies



### Agricultural Mechanics: Fundamentals & Applications

7th Edition © 2015

- Provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, common tools and materials, and a wide range of practical applications.
- Units explore essential topics such as career opportunities, shop orientation and procedures, woodworking and metal working, tool fitting, project planning, cutting and welding, concrete and masonry, and agricultural structures.
- Features detailed drawings of over 50 complete project plans.

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#### Instructor Package

9781305993044

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Instructor's Edition eBook

Classmaster CD-ROM



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Wildlife, Fisheries, and Ecology Management



### Wildlife & Natural Resource Management

4th Edition © 2017

- Designed for high school students in an agriculture program or environmental science course.
- Introduces the history and administration of natural resources, as well as broader concepts that impact everyone, including conservation, endangered species, and human impacts on wildlife.
- Section II then focuses specifically on how to identify species, including colorful feature articles on wild animals in their habitats.
- Fully revised, this fourth edition explores wildlife, fisheries, and natural resource management today, including discussions on potential careers.

### MindTap

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Digital Only—MindTap (8-Year)	9781337460644	\$95.00

#### Instructor Materials

Instructor's Edition eBook 9781285148212

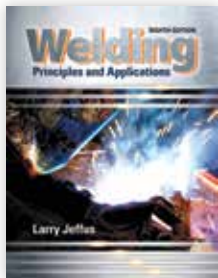
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### MindTap

- Complete online, highly personalized learning experience
- Includes correlated TEKS content, videos, activities, automatically graded assessment, and more!

MANUFACTURING

Welding



**Welding : Principles and Applications**

8th Edition © 2017

- This proven guide provides students with the knowledge and skills they need to complete AWS SENSE Level I and Level II programs, create Workmanship Qualification Specimens, and earn professional certification.
- The author opens each section by introducing students to the materials, equipment, setup procedures, and critical safety information they need to execute a specific process successfully, while subsequent chapters focus on individual welding tasks leading to SENSE certification.



*This personal learning environment combines the eBook and resources into a singular Learning Path*

**Adoption Packages**

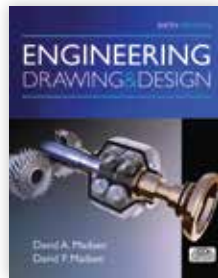
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**Instructor Materials**

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STEM

Concepts of Engineering and Technology



**Engineering Drawing and Design**

6th Edition © 2017

- Provides your students with an easy-to-read, A-to-Z coverage of drafting and design instruction that complies with the latest industry standards.
- Includes a multitude of actual quality industry drawings that demonstrate content and provide problems for real world, practical application.
- Follows a product design from concept through manufacturing, and provides your students with a variety of design problems for challenging applications or for use as team projects.



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**Instructor Materials**

Instructor's Edition eBook	9781285148151
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HOSPITALITY & TOURISM

Food Science (Off-List)



**Introduction to Food Science and Food Systems**

2th Edition © 2017

- Provides an overview of the science of foods, from nutrition and digestion to processing and preservation.
- Two new chapters on Food System and Sustainability and Food and Health
- Correlation to the corresponding National AFNR Standards in each chapter
- “Math Connection” and “Science Connection” Features



*This personal learning environment combines the eBook and resources into a singular Learning Path*

**Adoption Packages**

Student Edition + MindTap	9781305993525
Digital Only—MindTap	9781305993228

**Instructor Materials**

Instructor's Edition eBook	9781285148267
Online Companion Site with Cengage Learning Testing, powered by Cognero®	

OFF-LIST TITLES



**Modern Livestock and Poultry, 9e**

Authors: Frank Flanders, James R. Gillespie

9781133283508

*Designed for high school students. With coverage of basic animal science and livestock industry information as well as current issues in animal agriculture.*



**Small Animal Care and Management, 9e**

Author: Dean M. Warren

9781285425528

*Introduces students to the basics of the small animal industry, including the history, safety concerns and care and welfare of these animals before diving into the specifics of each.*



**Managing Our Natural Resources, 6e**

Authors: William G. Camp, Betty Heath-Camp

9781285835075

*Written for introductory agriculture courses, the book examines a broad variety of topics from forest fires and fishery management to water purification and energy conservation.*

OFF-LIST TITLES



MindTap

**Basic Robotics, 1e**

Author: Keith Dinwiddie

9781133950196

*Equips students with a solid foundation in the industrial robot system and establishes a framework of understanding that is essential for entering the robotics industry.*



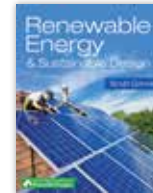
MindTap

**Automotive Technology: A Systems Approach, 6e**

Authors: Jack Erjavec, Rob Thompson

9781133612315

*Covers the full range of basic topics outlined by ASE, including engine repair, automatic transmissions, manual transmissions and transaxles, suspension and steering, brakes, electricity and electronics, heating and air conditioning, and engine performance.*

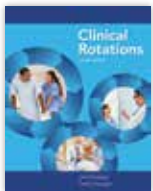


**Renewable Energy and Sustainable Design, 1e**

Author: Scott Grinnell

9781111542702

*Focusing on both the theory and practice of producing electrical energy from non-fossil fuel sources, this text evaluates different types of building materials and design options while assessing available forms of renewable energy—including solar, wind, hydro, biomass, tidal and geothermal.*



MindTap

**Clinical Rotations, 2e**

Authors: Lois Thomson, Cathy Trocquet

9781111640507

*Encompassing the entire health care system, this trusted resource includes dedicated chapters on more than 20 clinical rotations.*



MindTap

**Human Diseases, 4e**

Authors: Marianne Neighbors, Ruth Tannehill-Jones

9781285065922

*Delivers basic anatomy and physiology in a reader-friendly manner, then explores the diseases and disorders health care professionals see and treat most.*



MindTap

**Medical Assisting: Administrative and Clinical Competencies, 8e**

Author: Michelle Blesi

9781305110700

*Aligned to current ABHES standards and newly approved 2015 CAAHEP standards to address the skills and competencies need by entry-level medical assistants*



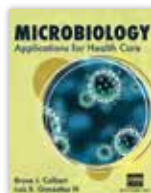
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**The Pharmacy Technician: A Comprehensive Approach, 3e**

Author: Jahangir Moini

9781305093089

*Gives students the knowledge and skills required for working with a licensed pharmacist in a variety of clinical and retail settings. and care settings*



MindTap

**Microbiology: Practical Applications and Infection Prevention, 1e**

Authors: Bruce J. Colbert, Luis Gonzalez

9781133693642

*Gives tomorrow's health care and nursing professionals an overview of medical microbiology while emphasizing practical applications in clinical and care settings*



MindTap

**Nursing Assistant: A Nursing Process Approach, 11e**

Authors: Barbara Acello, Barbara Hegner

9781133132370

*Prepares students for meaningful careers in acute care, long-term care, and home health care. with more than 150 procedures.*

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Bailey	Franklin	La Salle	San Jacinto
Bandera	Freestone	Lamar	Scurry
Baylor	Frio,	Lamb	Shackelford
Bee	Gaines	Lampasas	Somervell
Borden	Garza	Leon	Stephens
Bosque	Grimes	Liberty	Stonewall
Brooks	Hale	Limestone	Taylor
Burleson	Hamilton	Live Oak	Terry
Callahan	Hardeman	Lynn	Throckmorton
Cass	Hardin	Madison	Trinity
Clay	Haskell	Marion	Tyler
Cochran	Hill	Martin	Uvalde
Comanche	Hockley	Maverick	Walker
Cooke	Houston	McMullen	Waller
Coryell	Howard	Medina	Washington
Cottle	Jack	Milam	Wilbarger
Crosby	Jasper	Mills	Willacy
Dawson	Jim Hogg	Mitchell	Wilson
Delta	Jim Wells	Montague	Wise
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Brown	Hansford	Rains	
Burnet	Hartley	Reagan	
Caldwell	Hemphill	Reeves	
Calhoun	Hudspeth	Refugio	
Carson	Hutchinson	Roberts	
Castro	Irion	Runnels	
Childress	Jackson	Rusk	
Coke	Jeff Davis	Sabine	
Coleman	Karnes	San Augustine	
Collingsworth	Kendall	San Saba	
Colorado	Kimble	Schleicher	
Comal	Lavaca	Shelby	
Concho	Lee	Sherman	
Crane	Lipscomb	Sterling	
Crockett	Llano	Sutton	
Culberson	Loving	Swisher	
Dallam	Mason	Terrell	
De Witt	Matagorda	Upton	
Deaf Smith	McCulloch	Val Verde	
Donley	Menard	Ward	
Edwards	Moore	Wharton	