Proclamation 2017

Inside: 40 Titles for 45 Texas Courses!

Goodheart-Willcox
Experts in Career and Technical Education

Together, We Build Careers
800.323.0440 • www.g-w.com
Look to Goodheart-Willcox

Goodheart-Willcox, the leader in Career and Technical Education since 1921, is a trusted provider of the highest quality learning solutions designed specifically to meet the TEKS for each CTE course. As the experts in Career and Technical Education, we understand your need for relevant, up-to-date instructional resources aligned to state and industry standards, as well as career pathways.

For many years, Texas educators have turned to G-W for their CTE textbooks, and more recently, Texas educators have turned to G-W for easy-to-use digital solutions that bring classrooms to life. Whether you prefer a print or digital format, you are guaranteed TEKS coverage to ensure teaching and learning success. For the best of both worlds, a bundle option provides you with the most flexible curriculum at a great value.

Hallmarks of G-W learning solutions are:

**Expert Authors and Industry-Recognized Certification**
- Written specifically for high school students by expert authors
- Enhanced with classroom-friendly features and activities from outstanding Texas teachers
- Correlated to Precision Exams and other industry-recognized certifications programs

**Easy Technology Integration**
- LMS-ready content in Common Cartridge format to help facilitate single sign-on integration and rostering
- Single sign-on options for secure portals, websites, LMS, and digital repositories
- A classroom subscription model based on concurrent users, and compatible across all devices

**Extensive Teacher Support**
- Instructor Presentations for PowerPoint®
- ExamView® Assessment Suite
- Teacher-developed activities and lesson plans

As an independent, employee-owned, American company, Goodheart-Willcox is vested in your success. You can trust that G-W products are accurate, up-to-date, and backed by superior customer service. When reviewing instructional materials, compare G-W content, technology integration, teaching resources, and customer service to that of our competitors. We are confident that you will judge Goodheart-Willcox to be the Experts in Career and Technical Education.

**Together, We Build Careers!**

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Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Introduction to Health Science
Pathways to Your Future ©2016
by Dorothy Winger and Susan Blahnik

Introduction to Health Science: Pathways to Your Future is organized into five units—one for each of the five career pathways within the Health Science Career Cluster. These career-cluster pathways aid teachers in focusing on the healthcare career options available to students, allowing for exploration of a wide variety of occupations. Unlike some encyclopedic health science textbooks, this text delivers essential content in a more accessible, inviting format. While the text teaches core health science content, students’ literacy skills and healthcare vocabulary are strengthened. Definitions of key terms, clear examples, and dynamic illustrations further promote student understanding.

• The text is uniquely organized according to the five career pathways—health informatics, therapeutics, diagnostics, support services, and biotechnology.
• Questions and activities embedded in the text activate prior knowledge and help students process new information in a way they can relate to during their reading.
• A variety of reading and writing activities correlated to college and career readiness standards promote critical-thinking and communication skills.

**Correlated to the NEW National Health Science Standards!**

What Teachers Are Saying:

“...provides a foundation of understanding that not only aligns with NCHSE, but also allows the student to organize their course of study for recall when testing.”

“The textbook is amazing. I am so pumped to dive into it.”

Student Print Materials

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**Student Digital Materials**

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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

**Topics Include**

- Health Informatics Career Pathway
- Therapeutic Career Pathway
- Diagnostic Career Pathway
- Support Services Pathway
- Biotechnology Career Pathway

Visit [www.g-w.com/texas](http://www.g-w.com/texas) or call 800.323.0440 for additional product information.
Health Science Concepts and Applications ©2018
by Jacquelyn Rhine Marshall and Sue C. Roe

Health Science: Concepts and Applications provides students with the health science education they need as they begin exploring potential healthcare careers and practicing procedures they will execute on the job. The text covers the academic, professional, and soft skills students will need to succeed in a healthcare career. Coverage of medical math, communication skills, anatomy and physiology, and medical terminology allows students to build a strong academic foundation. Students also learn about the healthcare industry today, careers available in each of the five pathways of the Health Science Career Cluster, and strategies for finding and maintaining a job in healthcare. Hands-on healthcare procedures are included to introduce students to the basic practical skills they will use as healthcare professionals.

- **Real Life Scenarios** enable students to apply their knowledge to practical, professional challenges.
- **Career Exploration** features encourage students to explore various career paths and determine which healthcare careers interest them the most, while self-assessment opportunities guide students to careers that best suit their personal strengths.
- **Background Lessons** provide an opportunity for students to review basic concepts before beginning more advanced chapter material.

**TEKS Correlations available at www.g-w.com/texas**

### CONTENTS

**Introduction to Healthcare**
1. Introduction to Healthcare Systems
2. Exploring Healthcare Careers
3. Healthcare Laws and Ethics
4. Safety and Infection Control

**Academic Foundations**
5. Medical Terminology
6. Anatomy and Physiology
7. Disease

**Critical Concepts in the Healthcare World**
8. Health and Wellness
9. Lifespan Development
10. Healthcare Technology

**Healthcare Skills**
11. Vital Signs
12. First Aid
13. Assisting with Mobility
14. Working in Healthcare

**College and Career Readiness**
15. Communication Skills
16. Medical Math Skills
17. Study Skills
18. Employability Skills

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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
Introduction to Medical Terminology

by Linda Stanhope and Kim Turnbull

Introduction to Medical Terminology focuses on the essential concepts of human anatomy and physiology and the common medical terms related to the body systems. Each chapter opens with a patient case study that highlights the real-world application of medical terminology. Using a student-friendly approach, chapter content has been logically organized by medical word parts; an anatomy and physiology overview; and coverage of diseases and conditions, diagnostic procedures, surgical and therapeutic treatments, and drug therapies. Each chapter review includes a variety of classroom-proven activities designed to build and reinforce students’ medical terminology skills. The text is supported by colorful, detailed art developed by expert medical illustrators.

- This text was created specifically for high school teachers and their beginning students.
- Medical terms are presented in context and dissected into relevant word parts to help beginning students understand the connection between individual word-part meanings and the definitions of terms as a whole.
- Patient medical record activities and other special features throughout the text provide students with valuable critical-thinking opportunities while engaging them with the content.

TEKS Correlations available at www.g-w.com/texas

Written by Leading Texas Educators Linda Stanhope and Kim Turnbull

What Teachers Are Saying:

“The use of case studies and diagnostic reports brings the ‘real world’ into the classroom. Students will buy into that concept.”

“The Inquiring Minds feature is a great addition and age appropriate; perfect for high school students.”

CONTENTS

1. The Basics and the Body
2. Skeletal System
3. Muscular System
4. Integumentary System
5. Blood, Lymphatic, and Immune Systems
6. Cardiovascular System
7. Respiratory System
8. Digestive System
10. Nervous System
11. Endocrine System
12. Urinary System
13. Male Reproductive System
14. Female Reproductive System

Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Introduction to Anatomy and Physiology ©2014
by Susan J. Hall, Michelle A. Provost-Craig, and William C. Rose

Introduction to Anatomy and Physiology covers all body systems using a student-friendly writing style that makes complex subjects easier to understand. Chapter information is divided into lessons, providing content in a more manageable format for the student. An abundance of study aids, such as learning objectives, lesson summaries, vocabulary-building exercises, hands-on activities, real-world applications, and extensive assessment opportunities increase students’ ability to succeed in this challenging course.

- Detailed medical art brings the subject matter to life.
- Prominent vocabulary features help students master challenging medical terminology.
- Teacher-developed activities and assessments provide effective learning opportunities.

TEKS Correlations available at www.g-w.com/texas

What Teachers Are Saying:
“The text is well written and on a level most of my students will understand. The style is clear and concise.”

“The quality and quantity of this material are better than the text I use.”

CONTENTS
1. Foundations of Human Anatomy and Physiology
2. Cells and Tissues
3. Membranes and the Integumentary System
4. The Skeletal System
5. The Muscular System
6. The Nervous System
7. The Sensory Systems
8. The Respiratory System
9. The Cardiovascular System
10. The Lymphatic and Immune Systems
11. The Digestive System and Nutrition
12. The Urinary System
13. The Male and Female Reproductive Systems

Student Print Materials

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Student Digital Materials

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| 1 yr. Classroom Subscription    | 978-1-68311-299-0 |
| 8 yr. Classroom Subscription   | 978-1-68311-302-7 |

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Instructor Materials

| Online Instructor Resources, with TEKS correlations, Student Edition, Presentations for PowerPoint®, and ExamView® Assessment Suite |
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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
Principles of Human Services
by Sharleen L. Kato

Principles of Human Services is an introductory text designed specifically for high school students interested in learning about occupations in the field of human services. The text focuses on the five career pathways within the human services career cluster. Human services related careers in food and nutrition, clothing, and housing are also included. This student-friendly text provides a look at the aptitudes, attitudes, and skills; education and training; and specialized knowledge needed to succeed in a wide variety of human services careers. Students can also discover which careers are expected to experience growth in the future. A wide variety of activities provide built-in opportunities for discussion, higher-order thinking, and collaborative learning.

- **Career Spotlight** features give students a closer look at human services careers from the perspective of professionals in the field.
- **Pathway to Success** hands-on activities provide opportunities for students to build skills and learn best practices they can apply to their everyday lives now and in the future.
- **Case Studies** capture students’ interest with real-life scenarios and follow-up questions to involve students in class discussion.

**TEKS Correlations available at www.g-w.com/texas**

**CONTENTS**

Learning About Human Services
1. An Introduction to Human Services
2. The People Business
3. What Makes an Effective Human Services Worker?
4. On the Road to Personal and Professional Success

Preparing for Career Success
5. Looking Inward: Identifying Your Personal Brand
6. Looking Outward: Connecting with Human Services
7. Looking Ahead: Preparing for Workplace Success

Investigating Career Pathways in Human Services
8. Consumer Services
9. Counseling and Mental Health Services
10. Early Childhood Development and Services
11. Family and Community Services
12. Personal Care Services
13. Entrepreneurial Careers in Human Services
14. Food and Nutrition Related Human Services
15. Clothing Related Human Services
16. Housing Related Human Services

Exploring Human Services Related Careers

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**Student Digital Materials**

- **Online Learning Suite (OLS)**, online textbook, workbook, and interactive content; (min. 15)
  - 1 yr. Classroom Subscription: 978-1-68311-179-5
  - 8 yr. Classroom Subscription: 978-1-68311-182-5

**Bundle**

- Textbook + OLS, 8 yr. Classroom Subscription (min. 15): 978-1-68311-186-3

**Instructor Materials**

- **Online Instructor Resources**, with TEKS correlations, Student Edition, Presentations for PowerPoint®, and ExamView® Assessment Suite
  - 8 yr. Individual Subscription: 978-1-68311-188-7

A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
Child Development: Early Stages Through Age 12 provides students the knowledge needed to work with and care for children as they grow. All areas of development—physical, intellectual, social, and emotional—are addressed so students can better understand, assess, and meet the needs of children. The child development principles and theories of Erikson, Piaget, Vygotsky, and Gardner are highlighted. Additionally, the text explores play activities, ways to keep children healthy, and group programs.

- A new chapter provides additional information on brain development.
- Child-related occupations are discussed in detail, including duties, education requirements, and job outlook.
- Case Studies are included in each chapter of the book to help students relate content to real-world situations.

TEKS Correlations available at www.g-w.com/texas

CONTENTS

Children and Families in Today’s World
1. Learning About Children
2. New Directions in Learning
3. Families Today
4. Preparing for Parenting

Pregnancy and Childbirth
5. Pregnancy
6. Special Circumstances of Pregnancy
7. Childbirth

Infancy
8. Physical Development in the First Year
9. Intellectual Development in the First Year
10. Social-Emotional Development in the First Year

The Toddler Years
11. Physical Development of Toddlers
12. Intellectual Development of Toddlers
13. Social-Emotional Development of Toddlers

The Preschool Years
14. Physical Development of Preschoolers
15. Intellectual Development of Preschoolers
16. Social-Emotional Development of Preschoolers

The School-Age Years
17. Physical Development of School-Age Children
18. Intellectual Development of School-Age Children
19. Social-Emotional Development of School-Age Children

Guiding and Caring for Children
20. Encouraging Children’s Play Experiences
21. Protecting Children’s Physical Health and Safety
22. Handling Family-Life Challenges
23. Meeting Children’s Special Needs
24. Providing Early Childhood Education in Group Settings
25. Preparing for a Child-Related Career

Student Print Materials
Textbook, 832 pp., hardcover 978-1-63126-038-4

Student Digital Materials
Online Student Center (OSC), online textbook, workbook, and interactive content, (min. 15) 978-1-68311-189-4

Bundle, Textbook + OSC, 8 yr. Classroom Subscription (min. 15) 978-1-68311-196-2

Instructor Materials
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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Working with Young Children ©2016, 8th Edition
by Judy Herr

Working with Young Children introduces students to the field of early childhood education. The text begins by helping students better understand young children and then progresses into developing guidance skills. Child development principles are applied to child care settings. Students also learn how to handle specific concerns related to infants, toddlers, school-age children, and children with special needs. All information needed to successfully earn the Child Development Associate (CDA) Credential™ is included.

TEKS Correlations available at www.g-w.com/texas

What Teachers Are Saying: “…My go-to textbook…Accurate and very clear for a high school student.”

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Bundle, Textbook + OSC, 8 yr. Classroom Subscription (min. 15) | 978-1-68311-286-0 |

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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

Foundations of Financial Literacy ©2018, 10th Edition
by Sally R. Campbell and Robert L. Dansby

Foundations of Financial Literacy provides a comprehensive framework for learning about personal financial literacy. By studying this text, students will learn how to make wise financial decisions that will help them lead a productive life and achieve financial security. College and Career Readiness activities for reading, writing, speaking, and listening are included.

• You Do the Math activities focus on math skills that are important to understanding personal finance, and a Math Skills Handbook provides a quick reference for basic math functions.
• College and Career Readiness Portfolio activities provide students an opportunity to create a personal portfolio for use when exploring volunteer, education and training, or career opportunities.
• Aligns with the National Standards in K–12 Personal Finance Education published by the Jump$tart Coalition for Personal Financial Literacy™.

TEKS Correlations available at www.g-w.com/texas

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Bundle, Textbook + OLS, 8 yr. Classroom Subscription (min. 15) | 978-1-68311-097-2 |

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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Interpersonal Relationships

Interpersonal Relationships is an interactive, comprehensive introduction to relationship skills, including relationships among friends, relationships in the family, and relationships in the workplace. With a contemporary, lesson-based organization and look, Interpersonal Relationships is rich with opportunities for real-world application, discussion, and assessment. Case Studies, Getting Started, and Real-Life Scenarios help students envision chapter concepts and apply chapter skills to their lives. Key terms and academic terms aid students in learning vocabulary. Lesson Comprehension Checks assess student understanding periodically to maximize learning.

- Numerous features invite students to apply chapter concepts to their own lives and to the lives of people all around the world.
- Reading Prep, Focus Your Reading, and Think About Your Reading activities prompt students to engage critically with the text.
- A variety of rich, real-world activities reinforce chapter information and challenge students to analyze and use the information individually and in small groups.

TEKS Correlations available at www.g-w.com/texas

Industry-Recognized Certification

Contents

Reaching Your Potential
1. A Close-Up View of You
2. Your Growth and Development
3. Strengthening Positive Attitudes

Setting and Reaching Life Goals
4. Developing Decision-Making Skills
5. Choosing a Career
6. Managing Time to Reach Your Goals

Relating to Other People
7. Developing Communication Skills
8. Developing Relationship Skills
9. Developing Group Interaction Skills

Romantic Relationships
10. Dating Relationships
11. Choosing to Marry
12. Adjusting to Marriage

Family Relationships
13. Today’s Family
14. Strengthening Family Interactions
15. Individual and Family Crises
16. Divorce and Remarriage

Family Relationships Over Time
17. The Early Years of the Family Life Cycle
18. Relating to and Guiding Children
19. The Aging Family

Fulfilling Family, Career, and Community Roles
20. Succeeding in the Career World
21. Balancing Family, Career, and Community Roles
22. Managing and Protecting Your Resources
Guide to Good Food

Nutrition and Food Preparation ©2018, 14th Edition
by Velda L. Largen and Deborah L. Bence

Guide to Good Food: Nutrition and Food Preparation employs current nutrition information to inform students as they learn the roles nutrients play in their health throughout the life cycle. Comprehensive content on food selection, storage, preparation, and service gives students the tools needed to recognize and follow a nutritionally balanced diet, while animations bring content to life. Menus and recipes with easy-to-follow, step-by-step directions, and nutritional analyses are also included. Food-related careers are profiled in every chapter.

- Enhanced visuals program employs infographics and images to emphasize content and improve recall.
- The Foods of the World section explores the culture and cuisine of over 30 countries.
- Students can complete and submit review questions digitally, enhancing instructor’s assessment of students’ comprehension and reducing paper waste.

TEKS Correlations available at www.g-w.com/texas

New! Recipes for Good Food and Mini Labs—designed to pique student interest and apply content—are tailored to a 45-minute class period

Industry-Recognized Certification

CONTENTS

Getting Started in the Kitchen
1. Food Affects Life
2. Safety and Sanitation
3. Basic Skills and Equipment
4. Recipes and Work Plans
5. Preparing Simple Recipes

Nutrition and Wellness
6. The Energy Nutrients
7. Vitamins, Minerals, and Water
8. Making Healthy Choices
9. Staying Active and Managing Weight
10. Life Cycle Nutrition and Fitness

The Management of Food
11. Kitchen and Dining Areas
12. Kitchen Appliances
13. Planning Meals
14. Shopping Decisions

The Preparation of Food
15. Heat Transfer and Cooking Methods
16. Grain Foods
17. Breads
18. Vegetables
19. Fruits
20. Dairy Products
21. Eggs
22. Meat
23. Poultry
24. Fish and Shellfish
25. Salads, Casseroles, and Soups
26. Cakes, Cookies, Pies, and Candies
27. Food and Entertaining
28. Preserving Foods

Foods of the World
29. The United States and Canada
30. Latin America
31. Europe
32. Mediterranean Countries
33. Middle East and Africa
34. Asia

Food, Nutrition, and Careers
35. Investigating Careers
36. Career and Job Success

Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
The Culinary Professional ©2017, 3rd Edition
by John Draz and Christopher Koetke

The Culinary Professional rates high in user satisfaction for its approachable writing and design. Instructors appreciate its visual appeal, citing images that are “up-to-date and meaningful.” Expanding further on the visual elements, this edition incorporates animations that reinforce key concepts and techniques. With this new, updated edition, authors and chefs John Draz and Christopher Koetke have continued to focus on the core content that provides students with the knowledge they need for a career in the culinary arts.

- New! Correlates to Precision Exams standards preparing student to earn a certificate in Food Service/Culinary Arts.
- New! Includes animations, interactive activities, and video clips to enhance experience for visual learners.
- Addresses the American Culinary Federation Education Foundation standards for Secondary Certified Programs. (Certified Junior Culinarian certification)

CONTENTS
Introducing the Foodservice Industry
1. Welcome to the Foodservice Industry
2. Understanding Foodservice Operations
3. Culinary History
4. Workstations in the Professional Kitchen
5. The Professional Chef
6. Entering the Workforce

Culinary Fundamentals
7. Sanitation Hazards
8. Sanitation Procedures
9. Safety in the Kitchen
10. Sustainability in the Kitchen
11. Knives and Hand Tools in the Professional Kitchen
12. Knife Skills
13. Smallwares
14. Large Equipment
15. Using Recipes
16. Basic Preparations—Mise en Place
17. Kitchen Staples
18. Cooking Principles

Ingredients, Preparation, and Presentation
19. Salads and Dressings
20. Fruit Identification
21. Fruit Preparation
22. Cold Sandwiches
23. Stocks
24. Sauces
25. Soups
26. Vegetable Identification
27. Vegetable Cookery
28. Starch Identification
29. Starch Cookery
30. Meat and Poultry Identification
31. Basic Meat and Poultry Preparation
32. Dry-Heat Cooking Methods for Meat and Poultry
33. Moist-Heat and Combination Cooking Methods for Meat and Poultry
34. Fish and Shellfish Identification
35. Fish and Shellfish Preparation and Cookery
36. Hot Sandwiches and Pizza
37. Dairy and Egg Identification
38. Breakfast Cookery
39. Food Presentation In the Bakeshop
40. Introduction to the Bakeshop
41. Quick Breads and Batters
42. Cookies
43. Yeast-Raised Products
44. Pies and Tarts
45. Cakes
46. Custards, Foams, and Buttercreams
47. Dessert Sauces and Frozen Desserts

Beyond Cooking
48. Table Service
49. Managing Resources
50. Nutrition
51. Menus
52. Analyzing Cuisines
53. Developing Taste

What Teachers Are Saying: “We reviewed five books and The Culinary Professional was the one we chose.”
Hospitality Services introduces students to the five segments of the hospitality industry—food and beverage, lodging, travel, tourism, and recreation. The business aspects of these areas are covered, including hospitality management, human resources, accounting, sales, and marketing. Additionally, the roles, responsibilities, and required skills of individuals choosing hospitality as a career path are included.

- Career planning chapters lead students through researching careers, succeeding in the workplace, and starting their own businesses.
- Customer service and industry-wide technology are discussed throughout the text.
- Hospitality Ethics and Going Green features address industry hot topics. Profiles spotlight successful hospitality professionals to inspire students and demonstrate career options.

**TEKS Correlations available at www.g-w.com/texas**

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Visit [www.g-w.com/texas](http://www.g-w.com/texas) or call 800.323.0440 for additional product information.
Principles of Food Science demonstrates how the laws of science are at work in producing, processing, preparing, preserving, and metabolizing food. Students learn how cooking, health, and storage tips connect science basics to daily food encounters. The text covers the basic laws of chemistry, microbiology, and physics as they are applied to food components and complex food systems. Students learn scientific facts and principles that can be applied to a future food science career and also to more creative, nutritious home cooking. The requirements and opportunities for obtaining a food science career are explored, as well as the impact of this career path on local, national, and global economies.

- Numerous lab experiments help students apply basic math and technical writing skills to real-world food problems.
- The value of different types of evaluations—scientific vs. sensory—are examined, with applications to school lab experiments and commercial food product development.
- Lessons emphasize the importance of lab safety, teamwork, attention to detail, and high ethical standards.

**TEKS Correlations available at www.g-w.com/texas**

### CONTENTS

**The Science of Food**

1. Food Science: An Old but New Subject
2. Scientific Evaluation: Being Objective
3. Sensory Evaluation: The Human Factor

**Basic Chemistry**

5. Energy: Matter in Motion
6. Ions: Charged Particles in Solution
7. Water: The Universal Solvent

**Organic Chemistry:**

8. Sugar: The Simplest of Carbohydrates
9. The Complex Carbohydrates: Starches, Cellulose, Gums, and Pectins
10. Lipids: Nature’s Flavor Enhancers
12. Enzymes: The Protein Catalyst

**Food Chemistry:**

13. The Macronutrients
14. The Micronutrients: Vitamins and Minerals
15. Phytochemicals: The Other Food Components
16. Food Analogs: Substitute Ingredients

**Working with Complex Food Systems**

17. Fermentation: Desirable Effects of Microbes
18. Food Safety: Sources of Contamination
19. Thermal Preservation: Hot and Cold Processing
20. Dehydration and Concentration: Controlling Water Activity
21. Current Trends in Food Preservation: Irradiation, Packaging, and Biotechnology

**Special Topics**

- Food Labeling
- Nutritional Guidelines
- Digestion and Metabolism
- Career Success

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**Student Print Materials**

**Textbook**: 842 pp., hardcover

ISBN: 978-1-61960-436-0

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**Student Digital Materials**

**Online Student Center (OSC)**, online textbook, workbook, and interactive content, (min. 15)

- 1 yr. Classroom Subscription: 978-1-68311-229-7
- 8 yr. Classroom Subscription: 978-1-68311-232-7

**Bundle**: Textbook + OSC, 8 yr. Classroom Subscription (min. 15) 978-1-68311-236-5

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**Instructor Materials**

**Online Instructor Resources**, with TEKS correlations, Student Edition, Presentations for PowerPoint®, and ExamView® Assessment Suite

- 8 yr. Individual Subscription: 978-1-68311-238-9

A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
This comprehensive new text welcomes today’s learners to the diverse and exciting world of agriscience and prepares them for more advanced courses. Written by leaders in agricultural education, Principles of Agriculture, Food, and Natural Resources provides a fresh, visual, and highly applied introduction to the systems and concepts that define modern agriculture, including food systems and natural resources. Reading and critical thinking skills are developed by several features in each lesson, including “Before You Read,” “Analyze and Apply,” and “Thinking Critically.” All of these challenge learners to research topics in depth and to apply what they have learned.

- STEM Connections appear frequently within lessons and challenge learners to apply AFNR concepts more generally.
- Students can explore the various types of supervised agricultural experiences (SAEs) and the use of the Agricultural Experience Tracker (AET).
- The text provides practical information on building leadership, communication, and parliamentary procedure skills.

**Topics Include**

- Agriculture and Society
- Leadership in Agriculture
- Agriculture as a Career
- Agricultural Safety
- Agricultural Science
- Agricultural Technology
- Agricultural Power and Engineering
- Agricultural Mathematics
- Importance of Food
- Large Animal Production
- Small Animal Production
- Other Animal Production
- Plant Production
- Environmental Systems Impacting Agriculture
- Soil and Water Management
- Natural Resources and Recreation
- Forestry

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Instructor Materials

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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

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Visit [www.g-w.com/texas](http://www.g-w.com/texas) or call [800.323.0440](tel:800.323.0440) for additional product information.
Horticulture Today ©2017
by Jodi Songer Riedel and Elizabeth Driscoll

An all-new option for introductory horticulture or plant science courses, Horticulture Today engages students with practical information they can use and hands-on activities they perform. Written by two dynamic agricultural educators, the text provides a contemporary overview of the horticulture industry, plus thorough coverage of plant science, horticultural practices, landscape design and maintenance, and integrated pest management. In developing an appreciation for the diversity and global context of horticulture, Horticulture Today helps students to develop literacy in Green Industry careers as well as the skills they will need to succeed.

- Abundant STEM Connections within the text place horticulture and plant science in a broader academic context. STEM Connections and Academic Activities at the end of each chapter provide additional reinforcement for students and assessment material for instructors.
- Reading and critical thinking skills are methodically developed throughout, while special features like Corner Questions pose entertaining and thought-provoking questions that make learning fun.
- To connect classroom and experiential learning, a dedicated chapter on Supervised Agricultural Experiences (SAEs) sets the stage for horticulture as an SAE focus. SAE Opportunities provided at the end of each chapter provide an additional springboard for planning and decision-making.

**Contents**

**Today’s Leaders**
1. Agricultural Leadership
2. Experiential Learning; SAE
3. Communication, Critical Thinking, and Information Literacy
4. The Horticulture Industry
5. Horticultural Business Management
6. Worker and Tool Safety

**Horticultural Biology**
7. Plant Taxonomy
8. Plant Biology
9. Plant Growth and Development
10. Environmental Conditions for Growth
11. Soils and Media
12. Plant Nutrition

**Plant Propagation**
13. Seed Propagation
14. Stem and Leaf Propagation
15. Layering and Division
16. Grafting and Budding
17. Tissue Culture: Micropropagation

**Horticultural Practices**
18. Greenhouse Operation and Maintenance
19. Greenhouse Production
20. 21st Century Horticulture
21. Nursery Production
22. Vegetable Production
23. Fruit and Nut Production

**Landscape Design**
24. Landscape Design
25. Floral Design
26. Interior Plantscaping
27. Landscape Planting and Maintenance
28. Turfgrass Management

**Integrated Pest Management**
29. Integrated Pest Management
30. Insects
31. Disease Management
32. Weeds
33. Pesticide Management and Safety

**Profiles real-life horticulturalists! Aligns with AFNR Career Cluster Skills**

**TEKS Correlations available at www.g-w.com/texas**

**Student Print Materials**
- Textbook, 992 pp., hardcover 978-1-63126-245-6

**Student Digital Materials**
- Online Learning Suite (OLS), online textbook, lab workbook, and interactive content; (min. 15)
  - 1 yr. Classroom Subscription 978-1-68311-419-2
  - 8 yr. Classroom Subscription 978-1-68311-422-2
- Bundle, Textbook + OLS, 8 yr. Classroom Subscription (min. 15) 978-1-68311-426-0

**Instructor Materials**
- Online Instructor Resources, with TEKS correlations; Student Edition, Presentations for PowerPoint®, and ExamView® Assessment Suite
  - 8 yr. Individual Subscription 978-1-68311-428-4

A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
Agricultural Mechanics and Technology Systems ©2017

by J.P. Hancock, Don W. Edgar, Michael L. Pate, Lori A. Dyer, and W. Brian Hoover

Agricultural Mechanics and Technology Systems presents focused, technically accurate coverage of all major skilled trade disciplines in agricultural contexts, including construction, electricity, welding, and power systems. In addition, the text provides a wealth of information and resources on careers in agricultural mechanics and promotes a deep understanding of supervised agricultural experiences (SAEs) and career development events (CDEs).

Agricultural Mechanics and Technology Systems has been designed to support the Power, Structural, and Technical Systems Career Pathway within the National AFNR Career Cluster Content Standards.

- The chapter on Trends and Emerging Technologies introduces students to the many high-tech applications of agriculture and agricultural mechanics, including geographic information systems (GIS), telematics, sustainable energy sources, precision agriculture, wireless sensor networks, and the use of drones.
- A chapter on safety and extensive Safety Notes cultivate a safety-first mindset and drive home the point that safe work habits are needed in every domain of agricultural mechanics and technology.
- Reading and writing skills are developed by the careful definition and use of technical terms and by Before You Read guidance provided at the start of every chapter.
- Hands-on Agriculture and STEM and Academic Activities provide engaging, inquiry-based learning activities for students and provide a bridge between theory and practice.
- To highlight safe, correct, and current practices, high-quality photographs and line art accompany text descriptions on nearly every page of the text.

TEKS Correlations available at www.g-w.com/texas

Supports the National AFNR Career Cluster Content Standards

Contents

1. Introduction to Agriculture and Agricultural Mechanics
2. Careers and Employability Skills
3. Supervised Agricultural Experience
4. Trends and Emerging Technologies
5. Safety and Developing Safe Work Habits
6. Measuring Tools
7. Hand Tools
8. Power Tools
9. Materials, Fasteners, and Hardware
10. Project Planning and Design
11. Fundamentals of Woodworking
12. Designing, Planning, and Construction of Woodworking Projects
13. Surveying
14. Concrete Foundations and Flatwork
15. Masonry
16. Framing Structures
17. Finishing Structures
18. Specialized Agricultural Structures
19. Fencing and Livestock Structures
20. Electric Theory
21. Wiring AC Circuits
22. Wiring DC Circuits
23. Electric Motors
24. Plumbing Design and Installation
25. Farm and Landscape Irrigation
26. Environmental Controls
27. Fundamentals of Metalworking
28. Oxyfuel Welding, Cutting, and Brazing
29. Shielded Metal Arc Welding
30. Gas Metal and Flux Cored Arc Welding
31. Gas Tungsten Arc Welding
32. Plasma Cutting
33. Internal Combustion Engines
34. Small Engine Maintenance and Repair
35. Drive Trains and Power Systems
36. Machinery Maintenance and Management
37. Hydraulic and Pneumatic Power

Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Principles of Floral Design  An Illustrated Guide  ©2015
by Pat Diehl Scace and James M. DelPrince

Principles of Floral Design: An Illustrated Guide provides an introduction to the hands-on skills and theory required for career success in addition to the artistic aspect of floral arrangement. This heavily illustrated text acquaints future floral designers with design principles and elements along with the floriculture industry and its careers. It presents the various types of products used in floral design, before progressing into common floral applications and events. This text is also appropriate for students enrolling in the course for fine arts elective credit.

- Step-by-step procedures provide clear instruction to develop students’ floral design skills using low-cost and commonly available materials.
- Extensive flower and foliage glossaries include cross-references to both the common and the botanical names in addition to other helpful information.
- End-of-chapter features, including Activities, Critical Thinking, STEM Activities, and Communicating about Floral Design, provide students with the opportunity to connect floral design content to career and college readiness skills.

TEKS Correlations available at www.g-w.com/texas

What Teachers Are Saying:
“This new book is the best floral design book I have seen.”
Former Agriscience/Horticulture Teacher and Member of the FFA National Floriculture Committee

CONTENTS
1. Careers in Floriculture
2. History of Floral Design
3. Containers, Tools, Mechanics, and Safe Work Practices
4. Plant Structures and Functions
5. Postharvest Processing, Conditioning, and Storage
6. Principles of Design
7. Elements of Design
8. Flower Selection
9. Foliage Selection
10. Types of Floral Design
11. Site Assessment and Theme Development
12. Flowers to Wear and Carry
13. Wedding Flowers
14. Designing for Special Occasions and Holidays
15. Sympathy Flowers
16. Permanent Botanicals
17. Maintaining and Decorating Potted Arrangements
18. Floriculture Marketing, Pricing, and Sales

Student Print Materials
Textbook, 615 pp., hardcover 978-1-61960-889-4

Student Digital Materials
Online Student Center (OSC), online textbook, workbook, and interactive content; (min. 15) 978-1-68311-359-1
• 1 yr. Classroom Subscription 978-1-68311-362-1
• Bundle, Textbook + OSC, 8 yr. Classroom Subscription (min. 15) 978-1-68311-366-9

Instructor Materials
Online Instructor Resources, with TEKS correlations, Student Edition, Presentations for PowerPoint®, and ExamView® Assessment Suite 978-1-68311-368-3
• 8 yr. Individual Subscription 978-1-68311-368-3

A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
Courses: Fashion Design I and Fashion Design I Lab

Apparel

by Louise Liddell and Carolee Samuels

Apparel: Design, Textiles & Construction is a comprehensive introduction to the worlds of apparel and fashion with updated information and new and improved illustrations and features. Robust digital offerings also accompany this new edition, including a new companion website with e-flash cards, digital graphic organizers, online chapter reviews, and interactive self-assessment quizzes.

- This edition provides multiple new opportunities for the integration of STEM (science, technology, engineering, and math). Updated STEM features and new STEM-related activities challenge students to apply chapter concepts using these relevant skills.
- New and updated content about global trends and technology in the apparel and textile industries gives students the most current information. An updated design with attractive new illustrations invites students to engage more easily with the text.
- In addition to multiple critical thinking, reading, writing, math, technology, science, and speaking activities, new career readiness activities prompt students to apply chapter content to the workplace.

TEKS Correlations available at www.g-w.com/texas

Student Print Materials

Textbook, ed. 1 pp., hardcover 978-1-63126-558-7

Student Digital Materials

Online Learning Suite (OLS), online textbook, workbook, and interactive content; (min. 15)
- 1 yr. Classroom Subscription 978-1-68311-219-8
- 8 yr. Classroom Subscription 978-1-68311-222-8

Bundle, Textbook + OLS, 8 yr. Classroom Subscription (min. 15) 978-1-68311-226-6

Instructor Materials

Online Instructor Resources, with TEKS correlations, Student Edition, Presentations for PowerPoint®, and ExamView® Assessment Suite
- 8 yr. Individual Subscription 978-1-68311-228-0

A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Photography: Portfolio to Profession teaches the principles and skills required to gain competence in digital and film photography. The tools and techniques of color digital photography are emphasized, and a chapter on development and printing of film images is also included. Individual chapters teach techniques for specific photographic situations, such as action and events, outdoor photography, travel photography, and portrait and studio photography. Portfolio Assignments engage students in creating a variety of images and building their own portfolios. An array of digital teaching resources offers convenient methods to engage students and assess their learning.

- A new Commercial Photography chapter gives students a thorough understanding of the setup, marketing, and operation of a photography business and teaches the soft skills required to succeed as a photographer.
- Two “digital darkroom” chapters teach useful image-editing and image-manipulation skills needed to process and enhance images.
- End-of-chapter questions and activities (Review Questions, Suggested Activities, Critical Thinking questions, and Communicating about Photography activities) reinforce and heighten student understanding of the chapter content.

**Contents**

**The Basics**
1. Our Visual World
2. Camera Handling, Care, and Support
3. Commercial Photography
4. From Pinholes to Pixels
5. The Camera System
6. Lenses
7. Light and Exposure
8. Image Capture Media

**Shooting**
9. Making a Picture
10. Making Exposure Decisions
11. Action and Event Photography
12. Outdoor Photography
13. Travel Photography
14. Portrait and Studio Photography

**Postprocessing**
15. Image Input and Scanning
16. Digital Darkroom Basics
17. Advanced Digital Darkroom Techniques
18. Image Output and Presentation
19. Film and Print Processing
Television Production & Broadcast Journalism ©2018, 3rd Edition
by Phillip L. Harris and Gil Garcia

Television Production & Broadcast Journalism provides students with basic technical skills necessary to enter the television production industry as a production assistant, and introduces broadcast journalism theory. The text provides an overview of the equipment, job responsibilities, and techniques involved in both traditional studio production and remote location work. The activities and processes involved in each phase of production are presented and reinforced with realistic examples, numerous photos showing students in actual production situations, and engaging student activities.

Broadcast journalism coverage includes ethics and news judgment, types of stories, news writing, preparing news packages, and conducting interviews. The broadcast journalism topics address skills and qualities required in the industry, but also incorporate classroom-appropriate standards and practices.

Original cost - $128.96

TEKS Correlations available at www.g-w.com/texas

CONTENTS
1. The Television Production Industry
2. Working in the Television Production Industry
3. The Video Camera and Support Equipment
4. Video Camera Operations
5. Video Acquisition, Recordable Media & Storage
6. Audio Basics
7. Connectors
8. Scriptwriting
9. Newsroom Production
10. Broadcast Journalism
11. Interviews
12. Legalities: Releases, Copyright, and Forums
13. Music
14. Image Display
15. Lighting
16. Studio and Remote Shooting
17. Remote Shooting
18. Props, Set Dressing, and Scenery
19. Production Staging and Interacting with Talent
20. Directing
21. Makeup Application and Costume
22. Video Switchers and Special Effects Generators
23. Electronic Special Effects
24. Video Editing
25. Getting Technical
26. Getting Into the Industry

A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
Video Game Design Foundations provides all of the resources needed for the classroom. Access to easy-to-use game engine software is available with the Software Design Guide (available separately), and a detailed scope and activity sequence chart is included in the teaching package. Aligning with the International Game Developers Association (IGDA) recommended educational framework, lessons provide a top-level overview of the video game design process, from the beginning of the game build to the sales and marketing of the final product. STEM, college and career readiness, and Career and Technical Student Organization event preparation activities are included in every chapter.

- Instructors can quickly and easily establish a video game program within their schools—no previous experience is needed.
- Author teaches video game classes at the high school level and consults with states on course standards.
- Content and game builds are age appropriate.

**TEKS Correlations available at www.g-w.com/texas**

**CONTENTS**

1. My Role on the Team
2. Computerized Entertainment and Classification
3. Evolution of the Game
4. Perspective, Scene Design, and Basic Animation
5. Collision Theory and Logic
6. Game Systems, Personal Computers, and Hardware
7. Play and Game Culture
8. Reverse Engineering and Professional Reviews
9. Large-Scale Design Process
10. Global Economy and Supply Chain

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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

Visit [www.g-w.com/texas](http://www.g-w.com/texas) or call 800.323.0440 for additional product information.
Professional Communication ©2017

Professional Communication helps meet the challenges of today’s digital world, where communication is more important than ever. The basics of writing, speaking, listening, and reading are carefully interwoven into each chapter, enabling the application of English/language arts skills in context. Contemporary topics, such as technical writing and writing for social media, integrate the writing process and digital techniques to develop expertise that is needed for the workplace. Portfolio development activities provide an opportunity to create a personal portfolio to use when applying for college, a community service position, or a job.

- Communication videos bring the content to life and illustrate how professional communication skills are used in the real world.
- Digital citizenship is explained in detail to prepare students for professional responsibilities in school and in a career.
- Exploring Communication Careers examines a wide variety of opportunities in the Arts, A/V Technology, and Communications career cluster.
- Career Success unit helps students to prepare, apply, and begin the first day on a job.

Written for high school students! Coverage spans written, verbal, visual, and digital communication

Charting Your Career Interest Inventory Included in Online Learning Suite and Instructor Resources

Student Print Materials ISBN
Textbook, 512 pp., hardcover 978-1-63126-128-2

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- 1 yr. Classroom Subscription 978-1-68311-050-7
- 8 yr. Classroom Subscription 978-1-68311-053-8
Bundle, Textbook + OLS, 8 yr. Classroom Subscription (min. 15) 978-1-68311-057-6

Instructor Materials
Online Instructor Resources, with TEKS correlations, Student Edition, Presentations for PowerPoint®, and ExamView® Assessment Suite
- 8 yr. Individual Subscription 978-1-68311-059-0

A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.

Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Principles of Information Technology ©2017

by Kathleen Austin and Lorraine Bergkvist

Principles of Information Technology presents basic principles and concepts about information technology to help students become more valuable employees, better citizens, and knowledgeable consumers. Written specifically for high school students, this text maps to the IC3 Digital Literacy Certification standards. By studying this text, students can prepare for the Certiport IC3 Digital Literacy Certification exams and pursue a well-respected, internationally recognized credential.

• The text is organized into three units to align with the areas of IC3 Digital Literacy Certification—Computing Fundamentals, Key Applications, and Living Online—so that students learn concepts in the context of each certification area.
• IC3 objectives are outlined at the beginning of each chapter and highlighted as they appear within the chapter, helping students focus on certification content.
• Hands-On Example activities provide opportunities to apply skills learned in the chapter to prepare students for certification, college, and career.
• Features such as STEM, Green Tech, Career Skills, and Ethics offer insights into issues that will be encountered in school, the workplace, and personal life.

TEKS Correlations available at www.g-w.com/texas

CONTENTS

Computing Fundamentals
1. Introduction to Information Technology
2. Hardware
3. Software
4. File Management
5. Purchasing, Maintaining, and Troubleshooting

Key Applications
6. Common Office Application Features
7. Word-Processing Software
8. Formal Documents
9. Presentation Software
10. Spreadsheet Software
11. Advanced Spreadsheet Uses
12. Database Software

Living Online
13. Internet and the World Wide Web
14. Communication Networks
15. Electronic Communication and Collaboration
17. Careers in IT

Certification Prep Series ©2017

by D. Michael Ploor

Are you looking to increase student outcomes on industry certification for Microsoft Office? The Certification Prep Series prepares students for the Microsoft Office Specialist (MOS) certification exams. The Certification Prep Series is available as an off-list item.

www.g-w.com/software-certification

Microsoft Office ISBN
Microsoft Word 2016, 94 pp., Softcover (min. 10) 978-1-63126-808-3
Microsoft Excel 2016, 80 pp., Softcover (min. 10) 978-1-63126-809-0
Microsoft PowerPoint 2016, 94 pp., Softcover (min. 10) 978-1-63126-810-6
Microsoft Access 2016, 72 pp., Softcover (min.10) 978-1-63126-812-0
Microsoft Outlook 2016, 60 pp., Softcover (min. 10) 978-1-63126-811-3
Office 2016 Set 978-1-63126-823-6

Microsoft Office 2013 and 2010 are also available.
Marketing Dynamics ©2014, 3rd Edition
by Brenda Clark, Cynthia Gendall Basteri, Chris Gassen, and Michelle Walker

Marketing Dynamics provides a well-rounded introduction to the four Ps—product, price, place, and promotion. Other essential topics, such as marketing research and target market identification, are also covered. College and career readiness activities covering writing, speaking, and listening are incorporated. Related activities provide students an opportunity to create a personal portfolio for use when exploring volunteer, education and training, or career opportunities. Career Ready Practices are also included.

TEKS Correlations available at www.g-w.com/texas

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Entrepreneurship ©2018, 2nd Edition
by Brenda Clark and Judy Commers

Entrepreneurship teaches students about the risks and rewards of starting their own businesses. All stages of the process are covered, from idea to growth to exit strategies. Economic concepts are integrated into chapters, and a separate Economics Glossary is included. Two accounting chapters reinforce financial topics. Data files to support the business plan project are available on the companion website. College and career standards for reading, writing, speaking, and listening are incorporated in end-of-chapter activities.

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Principles of Business, Marketing, and Finance

by Robert L. Dansby, Chris Gassen, and Brenda Clark

Principles of Business, Marketing, and Finance is a contemporary text that presents business concepts vitally important in today’s workplace. The basics of business, marketing, and finance are introduced in an easy-to-understand manner that helps students connect the concepts of business to their everyday lives.

- The correlation of Principles of Business, Marketing, and Finance to Precision Exams’ Business Management exam prepares students to earn a Career Skills™ Certificate.
- Portfolio Development activities provide guidance to create a personal portfolio for use when exploring volunteer, education and training, and career opportunities.
- Communication Skills activities provide ways for students to demonstrate English/language arts skills and literacy as well as career-readiness skills they have mastered by studying this text.
- Exploring Careers examines a wide variety of opportunities in the Business Management and Administration career cluster.
- Digital citizenship is explained in detail to prepare students for professional responsibilities in school and in their careers.

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Foundations of Financial Literacy ©2018, 10th Edition

by Sally R. Campbell and Robert L. Dansby

Foundations of Financial Literacy provides a comprehensive framework for learning about personal financial literacy. By studying this text, students will learn how to make wise financial decisions that will help them lead a productive life and achieve financial security. College and Career Readiness activities for reading, writing, speaking, and listening are included.

- **You Do the Math** activities focus on math skills that are important to understanding personal finance, and a Math Skills Handbook provides a quick reference for basic math functions.
- **College and Career Readiness Portfolio** activities provide students an opportunity to create a personal portfolio for use when exploring volunteer, education and training, or career opportunities.
- Aligns with the National Standards in K–12 Personal Finance Education published by the Jump$tart Coalition for Personal Financial Literacy®.

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17. Functioning of the Economy
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Discovering Careers ©2018, 9th Edition

by John A. Wanat, E. Weston Pfeiffer, and Richard Van Gulik

Discovering Careers introduces career exploration in conjunction with the 16 career clusters. College and career readiness activities covering writing, speaking, and listening are included, as well as Career Ready Practices.

- A project-based Personal Achievement Plan guides students in preparing a career plan.
- College and Career Readiness Portfolio activities provide students an opportunity to create a personal portfolio.
- A Math Skills Handbook provides a quick reference for basic math functions.

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School to Career ©2018, 11th Edition
by J.J. Littrell, James H. Lorenz, and Harry T. Smith

School to Career provides students with a foundation for creating career goals using the 16 career clusters as a guide. College and Career Readiness activities covering writing, speaking, and listening are included, as well as Career Ready Practices.

- A Lifespan Plan project-based activity opens each unit to guide students in the creation and evaluation of their own short- and long-term career and life goals.
- College and Career Readiness Portfolio activities provide students an opportunity to create personal portfolios for use when exploring volunteer, education and training, or career opportunities.

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Written for high school students!
Covers career preparation and planning through workplace and personal success

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8. Communicating on the Job
9. Math in the Workplace
10. Using Technology in Your Career

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13. Learning about Careers
14. Making Career Decisions

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Lifespan Development

by Sharleen L. Kato

Lifespan Development is the first textbook on this topic to be targeted to the high school student. In it, students learn about the different stages of development that people pass through as they age. From newborn to older adulthood, people continue to develop and change physically, cognitively, socially, and emotionally. Features covering cultural diversity, health, and safety are included throughout the text. Core Skills activities reinforce writing, speaking, math, and career readiness skills.

- The developmental theories of Erikson, Piaget, Vygotsky, and Kohlberg are highlighted.
- A unit is dedicated to career paths in education and training and human services.
- Case studies are included in every chapter to help students relate classroom learning to the real world.

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Explore
all stages of
human growth and
development

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7. Early Childhood: Ages 3 through 5
8. Middle Childhood: Ages 6 through 10
9. Adolescence: Ages 11 through 19
10. Early Adulthood: Ages 20 through 39
11. Middle Adulthood: Ages 40 through 65
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Teaching ©2016, 2nd Edition

by Sharleen L. Kato

Teaching helps students, the teachers of tomorrow, explore the world of education. Besides investigating teaching as a profession, students will develop an understanding of the different types of learners they will encounter in the classroom. This includes how humans develop physically, intellectually, emotionally, and socially as all of these impact the instructional methods used. The educational system, both past and present, is reviewed along with the responsibilities that come with employment.

- Students receive a full introduction to the role and duties of a teacher, including planning, instructional methods, assessment, and classroom management.
- Expanded chapter review activities guide students in learning teaching strategies and creating their own portfolios composed of lesson plans, classroom rule sets, and other teaching-related materials.
- This is the only textbook available for high school students planning a teaching career.

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Visit www.g-w.com/texas or call 800.323.0440 for additional product information.
Housing and Interior Design

by Evelyn L. Lewis and Carolyn Turner Smith

Newly revised and reorganized, Housing and Interior Design introduces students to foundational principles and skills characteristic to housing and interiors professions. Geared toward high school students and courses, the text addresses both interior and exterior design and introduces students to the phases of the design process. Concepts include the historical, cultural, governmental, and technological factors that influence housing, along with a discussion of various architectural styles, reading floor plans and architectural documents, and space planning. Students learn about the processes, materials and finishes, construction basics, interior systems, and much more. Green and sustainable design, as well as universal design, are addressed throughout the text.

- The contents emphasize the knowledge and skills students need for housing and interiors careers through the Architecture and Construction and the Arts, A/V Technology, and Communications career clusters and pathways.
- The practical aspects of choosing housing, such as security, health, and safety, as well as costs and maintenance engages students with their real-world application.
- Students are encouraged to develop their housing and interior design skills through community service projects and FCCLA activities and competitive events.

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**Interior Design** ©2017

by Stephanie A. Clemons

*Interior Design* provides students with an introduction to the history and how-to steps of the profession while expanding into business practices, career specializations, and educational requirements. In combination with the teaching package, students learn about the design process; the importance of color and light; historical influence, such as furniture and architectural styles; and the human element, such as sustainability, aging-in-place, universal design, anthropometrics, proxemics, and ergonomics.

- Students learn the whys and hows of selecting interior materials, furnishings, and accessories.
- Differentiation is made between commercial and residential interiors.
- The preparation of visual communications, including drawings, renderings, and models, is included.

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Modern Carpentry ©2016, 12th Edition
by Willis H. Wagner, Howard Bud Smith, and Mark W. Huth

Modern Carpentry provides detailed coverage of all aspects of light construction, including site preparation and layout, foundations, framing and sheathing, roofing, windows and doors, exterior finish, stairs, cabinetry, and finishing. Special topics, such as chimneys, fireplaces, and decks, are also covered. The text familiarizes students with other aspects of the building trades with chapters on plumbing, electrical, and HVACR.

- Online Student Center incorporates video clips, narrated animations, activities, and other digital content to create an engaging and immersive learning experience.
- A career chapter and Construction Careers features throughout the text introduce students to on-the-job success factors, including basic skills, safety, attitudes, and career opportunities.

TEKS Correlations available at www.g-w.com/texas
Architecture

Residential Drafting and Design ©2018, 12th Edition
by Clois E. Kicklighter and W. Scott Thomas

Architecture: Residential Drafting and Design provides comprehensive instruction for preparing architectural working drawings using traditional and computer-based methods. The text also serves as a reference for design and construction principles and methods. Its highly effective format organizes content around the design-building process, making the text easy to understand and appealing to students.

Coverage on green building technology, sustainable design, and building information modeling (BIM) complements foundational learning. Each chapter includes objectives, key terms, Internet resources, review questions, and suggested activities for individuals or small groups.

• Step-by-step drafting procedures provide hands-on practice for making drawings using manual drafting and CADD methods.
• New Parametric Modeling features cover methods and techniques for creating a 3D parametric model of a building.
• End-of-chapter activities challenge students to use residential design principles and problem-solving skills.

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Exploring Drafting ©2018, 12th Edition

by John R. Walker, Bernard D. Mathis, and Shauna Ann Scribner

Exploring Drafting is designed for use in introductory courses as it stresses fundamental skills while teaching essential manual and CAD drafting skills. The new edition includes coverage of geometric constructions, orthographic projection, and dimensioning practices. Techniques and procedures used in creating multiview drawings, sectional views, auxiliary views, pictorial views, and pattern developments are taught. STEM and employability content and activities are found throughout the text.

- Content is appropriate for beginning drafting students at any instructional level.
- The end-of-chapter drawing problems help students build problem-solving skills and practice drafting techniques.
- The text follows ASME practices and serves as an ADDA approved publication.

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Conventional drawings are constructed in a step-by-step manner

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Engineering Fundamentals
by Ryan A. Brown, Joshua W. Brown, and Michael Berkeihiser

Engineering Fundamentals: Design, Principles, and Careers provides a complete introduction to the field, starting with the design process and then reviewing, in-depth, ten of the top disciplines. For each discipline, career options, educational requirements, basic math and science principles, and real-world applications are presented. The content fully supports STEM initiatives and an activity-based curriculum.

- The text is appropriate for all levels of students as technical content is presented in an easy-to-understand manner.
- Students learn methods to identify problems, brainstorm, and develop solutions.
- New Environmental Engineering chapter includes material on the profession and the principles associated with the discipline.

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6. Communicating Solutions
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10. Manufacturing Engineering
11. Electrical Engineering
12. Computer Engineering
13. Civil Engineering
14. Aerospace Engineering
15. Chemical Engineering
16. Bioengineering
17. Environmental Engineering

Support STEM initiatives and prepare students to be future engineers!

“A textbook such as this would make the course stronger. I would use this text and most definitely recommend it to my colleagues.”
Dan Sweet, John Jay Science and Engineering Academy, TX

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A downloadable eTextbook is available as needed through VitalSource™ as an off-list option.
Modern Automotive Technology

by James E. Duffy

Modern Automotive Technology supports career readiness for those wishing to pursue a job in the automotive industry. Organized around the ASE automobile test areas, it details the construction, operation, diagnosis, service, and repair of late-model automobiles and light trucks. Student-focused content is presented using a building-block approach that starts with the fundamental principles of system operation and progresses gradually to complex diagnostic and service procedures. Thorough coverage of the latest developments in the automotive field, including hybrid technology and direct gasoline injection, helps prepare students to service and repair today's complex vehicles. Modern Automotive Technology is also a perfect reference for those preparing for the ASE automobile certification tests.

- Organized around the ASE automobile test areas and correlated to the 2013 NATEF Task List (MLR, AST, and MAST).
- Short sentences, concise definitions, and thousands of color images help students learn quickly and easily.
- Strong emphasis on electricity and electronics provides students with a thorough understanding of this key topic.

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1. The Automobile
2. Automotive Careers and ASE Certification
3. Basic Hand Tools
4. Power Tools and Equipment
5. Auto Shop Safety
6. Automotive Measurement and Math
7. Service Information and Work Orders
8. Fasteners, Gaskets, Seals, and Sealants
10. Career Success

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11. Engine Fundamentals
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16. Engine Size and Performance Measurements

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18. Circuit Types and Ohm’s Law
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21. Wiring Diagrams and Wiring Repairs
22. Basic Electrical Tests

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23. Computer System Fundamentals
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27. Hybrid Drive Systems Diagnosis and Repair
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33. Charging System Diagnosis, Testing, and Repair
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Small Gas Engines presents detailed information regarding construction, operation, troubleshooting, service, rebuilding, and repair. It is focused on single- and multi-cylinder, two- and four-cycle gasoline engines. The text is appropriate for all levels, as technical information is explained in a user-friendly manner. An appendix lists useful specifications and measurement conversions.

- Includes expanded coverage of safety, employment, and workplace skills to prepare aspiring technicians for successful careers in the small engine and outdoor power equipment service industry
- Applies to a wide range of small engines, including overhead valve, overhead cam, and L-head designs from different manufacturers
- Spans the most up-to-date small engine technology, including electronic fuel injection, to older technology that technicians occasionally encounter on the job

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Auto Collision Repair and Refinishing ©2017, 2nd Edition

by Michael Crandell

Auto Collision Repair and Refinishing, written by an ASE-Certified Master Collision Repair Technician, details the latest techniques in the field, in addition to traditional procedures. Content is organized around ASE’s Collision Repair & Refinish Certification Tests (B Series) in order to provide students and experienced technicians an exam preparation tool. This comprehensive textbook includes an extensive chapter on estimating, providing instruction on this critical task. It also details repair techniques for mechanical systems, such as brake systems and cooling systems.

- The text correlates to the 2013 NATEF Collision Repair Task List.
- The 2017 edition includes a new fasteners chapter, as well as expanded information on aluminum repair and waterborne paints.
- A chapter on employment provides students with the guidance they need to find and keep a position within the repair industry.

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1. Introduction to Collision Repair
2. Safety
3. Vehicle Construction
4. Fundamentals of Collision Damage
5. General Purpose Tools and Equipment, Service Information
6. Fasteners
7. Welding and Cutting

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8. Nonstructural Repair Tools, Equipment, and Materials
9. Nonstructural Panel Replacement
10. Bolted Nonstructural Panel Replacement
11. Welded and Bonded Nonstructural Panel Replacement
12. Plastic Repair
13. Glass

Structural Repairs
14. Unibody/Frame Straightening Equipment
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29. Surface Preparation
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Welding Fundamentals ©2017, 5th Edition
by William A. Bowditch, Kevin E. Bowditch, and Mark A. Bowditch

Welding Fundamentals is designed to provide students with a strong understanding of the underlying theory and skills required for successful welding, with a strong emphasis on safety. It provides all of the information needed to help students develop proficiency with the most common welding processes (including GTAW, GMAW, FCAW, SMAW, and oxyfuel welding), thermal cutting, basic print reading and weld symbology, and joint design and fit up. The text also introduces students to weld inspection and testing.

- Covers all of the key indicators for AWS SENSE Level-1 certification, so the book can be used in all courses leading to SENSE Level-1 certification.
- The book is designed so that sections of the book can be taught in any order, making the book easily adaptable to any course.

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3. Welding and Cutting Processes
4. The Physics of Welding
5. Math for Welding
6. Math Applications for Welders
7. Weld Joints and Positions
8. Welding Symbols
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10. SMAW: Equipment Assembly and Adjustment
11. SMAW: Electrodes
12. SMAW: Flat Welding Position
13. SMAW: Horizontal, Vertical, and Overhead Welding Positions
14. Surfacing
15. GMAW and FCAW: Equipment and Supplies
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33. Welding Pipe and Tube
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