

INTRODUCTION TO

Health Science

SECOND EDITION



Dorothy J. Winger, BS, MS

Eagle River, Wisconsin

Susan Blahnik, BS, ME

Sun Prairie, Wisconsin

Publisher

The Goodheart-Willcox Company, Inc.

Tinley Park, IL

www.g-w.com

Copyright © 2024
by
The Goodheart-Willcox Company, Inc.

Previous edition copyright 2016

All rights reserved. No part of this work may be reproduced, stored, or transmitted in any form or by any electronic or mechanical means, including information storage and retrieval systems, without the prior written permission of The Goodheart-Willcox Company, Inc.

ISBN 978-1-64925-773-4

1 2 3 4 5 6 7 8 9 – 24 – 28 27 26 25 24 23

The Goodheart-Willcox Company, Inc. Brand Disclaimer: Brand names, company names, and illustrations for products and services included in this text are provided for educational purposes only and do not represent or imply endorsement or recommendation by the author or the publisher.

The Goodheart-Willcox Company, Inc. Safety Notice: The reader is expressly advised to carefully read, understand, and apply all safety precautions and warnings described in this book or that might also be indicated in undertaking the activities and exercises described herein to minimize risk of personal injury or injury to others. Common sense and good judgment should also be exercised and applied to help avoid all potential hazards. The reader should always refer to the appropriate manufacturer's technical information, directions, and recommendations; then proceed with care to follow specific equipment operating instructions. The reader should understand these notices and cautions are not exhaustive.

The publisher makes no warranty or representation whatsoever, either expressed or implied, including but not limited to equipment, procedures, and applications described or referred to herein, their quality, performance, merchantability, or fitness for a particular purpose. The publisher assumes no responsibility for any changes, errors, or omissions in this book. The publisher specifically disclaims any liability whatsoever, including any direct, indirect, incidental, consequential, special, or exemplary damages resulting, in whole or in part, from the reader's use or reliance upon the information, instructions, procedures, warnings, cautions, applications, or other matter contained in this book. The publisher assumes no responsibility for the activities of the reader.

The Goodheart-Willcox Company, Inc. Internet Disclaimer: The Internet resources and listings in this Goodheart-Willcox Publisher product are provided solely as a convenience to you. These resources and listings were reviewed at the time of publication to provide you with accurate, safe, and appropriate information. Goodheart-Willcox Publisher has no control over the referenced websites and, due to the dynamic nature of the Internet, is not responsible or liable for the content, products, or performance of links to other websites or resources. Goodheart-Willcox Publisher makes no representation, either expressed or implied, regarding the content of these websites, and such references do not constitute an endorsement or recommendation of the information or content presented. It is your responsibility to take all protective measures to guard against inappropriate content, viruses, or other destructive elements.

Image Credits. Front cover: Left to right, top to bottom: Povoziuk/iStock/Getty Images Plus/Getty Images, Hispanolistic/E+ via Getty Images, LaylaBird/E+ via Getty Images; Unit 1 image: MBI/Shutterstock.com; Unit 2 image: sturti/E+ via Getty Images; Unit 3 image: Ground Picture/Shutterstock.com; Unit 4 image: PeopleImages/iStock/Getty Images Plus via Getty Images; Unit 5 image: fotostorm/iStock via Getty Images

About the Authors

Dorothy Winger has more than 25 years of experience as a teacher and leader in health science and curriculum development. She taught Introduction to Health Occupations, Body Structure and Function, Medical Terminology, and Health Information Office Assistant at Madison East High School, in addition to dual-credit Medical Terminology for Madison Area Technical College. She was also the program coordinator for Nursing Assisting and led Madison Metropolitan School District's health science curriculum writing team. She served as a HOSA advisor, Red Cross blood drive coordinator, and Youth Health Service Corp advisor. She has coauthored multiple curriculum and standards projects at state and local levels and presented at the state and national levels. She served as president of Wisconsin Health Occupations Professional Educators, was Wisconsin HOSA advisor of the year, and served on the Wisconsin Governor's Task Force on the Health Care Worker Shortage and Wisconsin's Disciplinary Literacy Standards Leadership Team. She was a Continuing Professional Development Specialist for the University of Wisconsin School of Medicine and Public Health Pediatric Department, setting up educational events for American Medical Association continuing education credits. She continues to serve as an education consultant.

Sue Blahnik is a dedicated educator whose teaching career spans 40 years. Focusing on secondary education, she has taught career and technical coursework in health science, as well as family and consumer education. She developed a health science career pathway program for her local high school, established and managed the nursing assisting program, supervised youth apprentices, and advised the local HOSA chapter. Sue has written statewide curriculums and served on the statewide team to develop health science standards. She has presented at both national and state conferences and served as the president of the Wisconsin Health Occupations Professional Educators. An avid supporter of service learning, Sue mentored students and fellow educators and has been awarded several grants to support health science instruction and service-learning projects. Sue continues her commitment to students and learning as an educational consultant and author.

Acknowledgments and Reviewers

Goodheart-Willcox Publisher would like to thank HOSA—Future Health Professionals for reviewing and contributing to the development of this program.

Goodheart-Willcox Publisher would also like to thank Mary Kennedy, who helped write the review sections in this book. Mary Kennedy is a national presenter, educational consultant, STEM/STEAM trainer, and veteran teacher of 34 years. She coauthored the *Goals for Living* textbook with Goodheart-Willcox.

Thanks also to Jane Heibel, who carefully reviewed the manuscript before publication. Special thanks to those who completed interviews and posed for pictures that appear in the Healthcare Insider features.

Thanks to Starla Ewan at Starla’s Creative Teaching Tips for the many years of sharing teaching techniques and successful ways of delivering difficult body system content.

The author and publisher wish to thank the following industry and teaching professionals for their valuable input into the development of *Introduction to Health Science*.

Chante Ford

Red Oak High School
Red Oak, Texas

Zachary Green

Pharmacy Technician Certification Board (PTCB)
Washington, DC

Charleen Handzel

Lewisville ISD- Technology Exploration Career
Center West
Lewisville, Texas

Sarah Hansen

Atascocita High School
Humble, Texas

Deborah Hunt

William B Travis High School, Fort Bend ISD
Richmond, Texas

John Ko

Wayne State University College of Pharmacy and
Health Sciences Clinical Laboratory Science
Program
Detroit, Michigan

Lovett Lowery

Alabama State University
Montgomery, Alabama

Cyndi Sandusky

Sandusky Editorial Services
Walhalla, South Carolina

Katherine Sawyer

The Austin Center for Radiation Oncology
Austin, Texas

Ellen Shorosky

Hackensack Meridian Health
Edison, New Jersey

Alisha Smith

Summer Creek High School
Houston, Texas

New to This Edition

The second edition of *Introduction to Health Science* has been reorganized to better support instruction that follows the National Health Science Standards. For example, content about teamwork is now contained within one lesson to support instruction that follows the sequence of these standards. This new edition has also been updated to reflect the ever-changing advances in medical understanding and technology. New HOSA Event Prep activities in each chapter support connections to HOSA events.

HOSA—Future Health Professionals



HOSA—Future Health Professionals is a global, student-led organization empowering future health professionals through collaboration, education, and experience. This organization introduces students to health careers and provides opportunities to build key leadership, communication, interpersonal, and healthcare skills.

Available at the middle school, secondary, and postsecondary levels, HOSA is a powerful instructional tool for equipping and educating future health professionals. If there is a HOSA chapter at your school, this course and text can help prepare you to participate, demonstrate your knowledge, and earn recognition through competitive events. If there is not a HOSA chapter at your school, you can talk with your instructor about starting one.

Throughout *Introduction to Health Science*, HOSA Event Prep icons identify activities specifically crafted to help you practice for competitive events. Some examples of how this program supports HOSA events follow:

- HOSA Event Prep features at the beginning of every chapter suggest HOSA events related to chapter content. Examples include *Family Medicine Physician* in Chapter 3: Health Science Career Preparation, *Healthy Lifestyle* in Chapter 9: Health Maintenance for Health Professionals and Patients, and *Medical Terminology* in Chapter 17: Medical Terminology and Body Organization.
- Activities at the end of each chapter help prepare you for competitive events such as *Prepared Speaking* and *Health Informatics*.

Precision Exams by YouScience Certification

Goodheart-Willcox is pleased to partner with YouScience to correlate *Introduction to Health Science* with their National Health Science Certification (NCHSE National Exam), Foundations of Healthcare Professions, and Essential Healthcare Practices certification standards. Students who pass the exam and performance portion of the exam can earn a Career Skills certification. Precision Exams by YouScience and Career Skills Exams were created in partnership with industry and subject matter experts to align real-world job skills with marketplace demands. Students can showcase their skills and knowledge with industry-recognized certifications—and build outstanding resumes to stand out from the crowd!

And for teachers, Precision Exams by YouScience provides:

- Access to a library of Career Skills Exams, including pre- and post-assessments for all 16 National Career Clusters
- Suite of on-demand reporting to measure program and student academic growth
- Easy-to-use, 100% online administration

To see how *Introduction to Health Science* correlates to Precision Exams by YouScience standards, visit the Correlations tab at www.g-w.com/introduction-health-science-2024. For more information about Precision Exams by YouScience, visit www.youscience.com/certifications/career-clusters/.

I earned a CAREER SKILLS™ Certificate in FOUNDATIONS OF HEALTHCARE PROFESSIONS. You can earn one too!

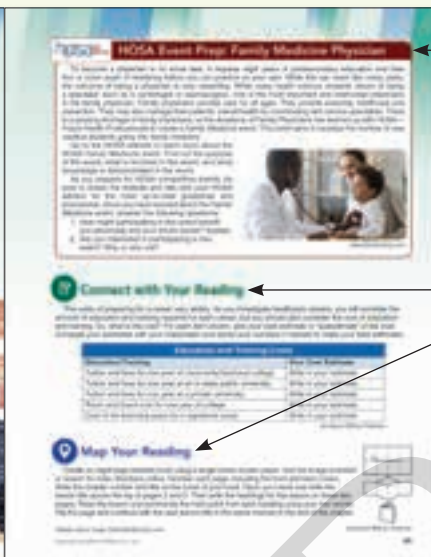
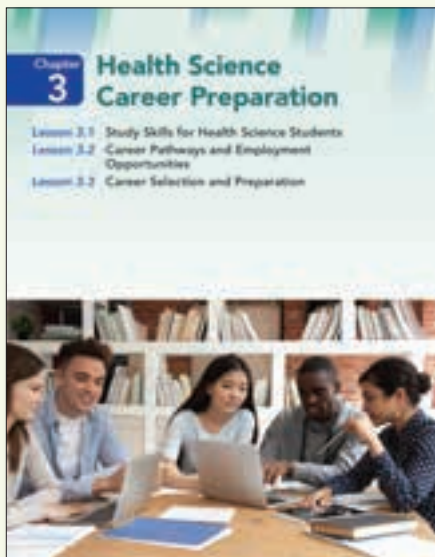
Ask your instructor how you can earn a CAREER SKILLS™ Certificate for your résumé.

800.470.3215 you science youscience.com/certifications

MesquitaFMS/E+ via Getty Images

Guided Tour

The instructional design includes student-focused learning tools to help students succeed. This visual guide highlights the features designed for the textbook.

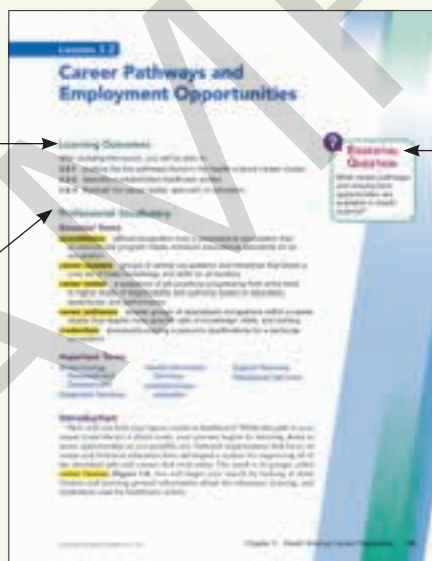


HOSA Event Prep activity introduces HOSA events related to the chapter.

Connect with Your Reading and **Map Your Reading** activities help you organize your notes and think about the chapter's topics before reading, a proven strategy for strengthening comprehension.

Learning Outcomes clearly identify the knowledge and skills to be obtained when the lesson is completed.

Professional Vocabulary lists the key terms to be learned in the lesson. You will need to learn the essential terms listed before you begin your reading. These terms, highlighted in yellow within the text, will help you understand the main concepts of the lesson. In addition, you will see bold terms explained where they first appear. These terms will deepen your understanding of the topics presented. Both will become part of your professional vocabulary.



Essential Question provides a starting point for thinking about the material in the lesson.

Healthcare Professions connect health science content to real-world experiences in a true introduction to healthcare careers.





Step-by-Step Procedures are highlighted throughout the text to provide clear instructions for healthcare tasks. You can refer back to these procedures easily.

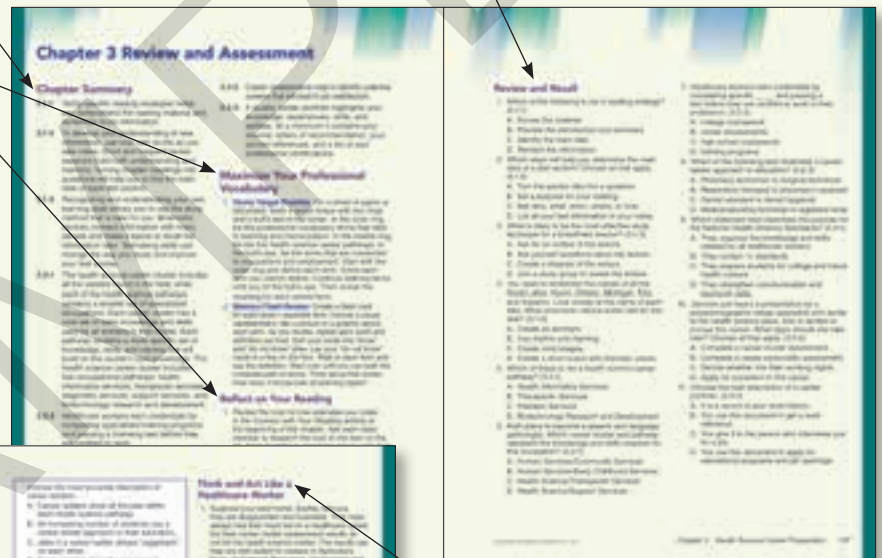


Lesson Review questions at the end of each lesson provide opportunities to extend your learning and help you apply knowledge.

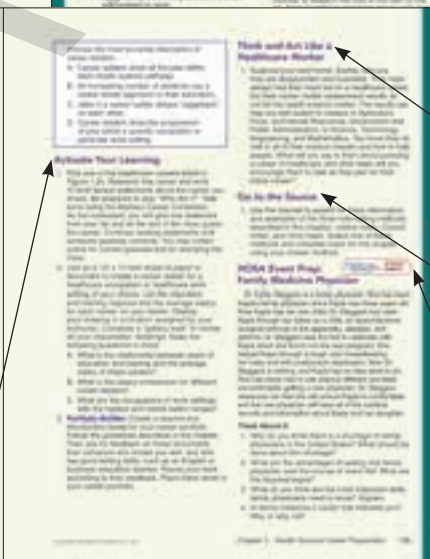
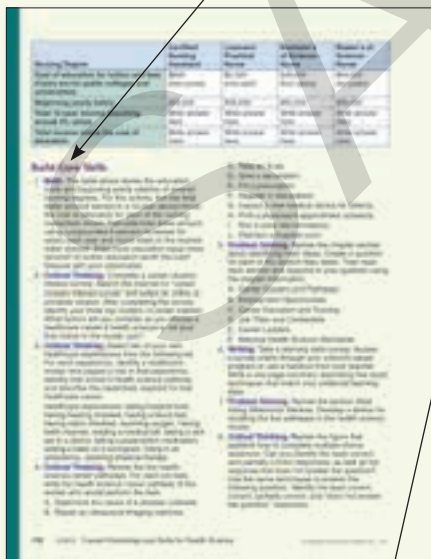
Chapter Summary provides an additional review tool for you and reinforces key learning outcomes.

Review and Recall questions allow you to demonstrate knowledge, identification, and comprehension of chapter material.

Maximize Your Professional Vocabulary and Reflect on Your Reading activities help you remember and use key vocabulary and reflect on what you have read.



Build Core Skills activities help you apply and use what you have learned in connection with key skills such as math, reading, speaking, and critical thinking.



Think and Act Like a Healthcare Worker activities help you practice performing key career skills.

Go to the Source provides practice reading primary source documents and demonstrating other realistic reading tasks of a healthcare worker.

HOSA Event Prep activity helps prepare you to participate in HOSA events related to the chapter.

Activate Your Learning activities give you opportunities to physically use the information from the chapter.

TOOLS FOR STUDENT AND INSTRUCTOR SUCCESS

Student Tools

Student Text

Introduction to Health Science is an introductory health science textbook for high school students, written by health science instructors. *Introduction to Health Science* delivers essential content in an accessible, inviting, lesson-based format that strengthens students' literacy skills and healthcare vocabulary.



Companion Website

- E-flash cards and vocabulary exercises allow interaction with content to create opportunities to increase achievement.
- Interactive activities reinforce key concepts from the text with engaging and informational graphics.

Instructor Tools

G-W Ignite

G-W Ignite provides a seamless user experience for both you and your students. The easy-to-navigate interface and class rostering capabilities make setting up a course easy and intuitive. Instructors can quickly and easily share assignments with students. Autograded activities and assessments make grading easier than ever, and rubrics are provided for ease of grading when required. Extensive reporting capabilities allow instructors to view students' progress and evaluate performance against learning outcomes and key standards. Students have their own My Progress dashboard where they can view grades and comments from their instructor.

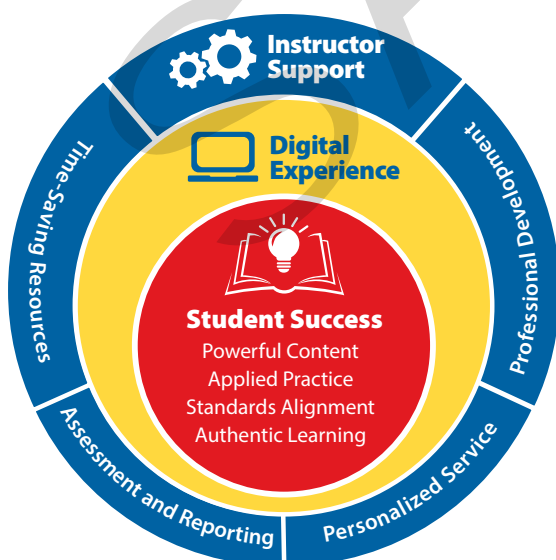
G-W Ignite provides a complete learning package for you and your students. The included digital resources help your students remain engaged and learn effectively:

- The **Online Textbook** is a reflowable digital textbook that works well on all devices. It also works well with screen readers and accessibility tools.
- **Digital Activities** provide opportunities for students to reinforce understanding of learning outcomes in the text. Instructors can easily assign activities for each lesson, while easy grading tools, such as autograding, integrated answer keys, and rubrics, save time.
- **Videos** demonstrate important procedures or dive deeper into key concepts from the text. These videos clarify steps and aid students in visualizing important skills. Guided worksheets are provided to help students take notes as they watch each video. Video quiz questions help assess student comprehension in real time.
- **Drill and Practice Vocabulary Activities**, which are provided for all professional vocabulary terms in every lesson, provide an active, engaging, and effective way for students to learn the required terminology.
- Use the **Pretests, Posttests, and Exams** to assess students' knowledge of learning outcomes and key standards. These prebuilt assessments help you measure student knowledge and track progress in achieving learning outcomes.
- The **Instructor Resources** provide instructors with time-saving preparation tools such as answer keys, editable lesson plans, and other teaching aids.
- **Instructor's Presentations for PowerPoint®** are fully customizable, richly illustrated slides that help you teach and visually reinforce the key concepts from each chapter.

See www.g-w.com/introduction-health-science-2024 for a list of all available resources.

Professional Development

- Expert content specialists
- Research-based pedagogy and instructional practices
- Options for virtual and in-person Professional Development



Brief Contents

Unit 1

Welcome to the Field of Health Science..... 2

Chapter 1

The Evolution of Healthcare4

Chapter 2

Safety—A Priority for Health Science Workers32

Unit 2

Career Knowledge and Skills for Health Science..... 86

Chapter 3

Health Science Career Preparation88

Chapter 4

Careers Skills in Health Informatics Services.. 120

Chapter 5

Careers Skills in Therapeutic Services 144

Chapter 6

Careers Skills in Diagnostic Services 176

Chapter 7

Careers Skills in Support Services204

Chapter 8

Careers Skills in Biotechnology Research and Development232

Chapter 9

Health Maintenance for Health Professionals and Patients.....264

Chapter 10

Preparing for Healthcare Employment..... 310

Unit 3

Foundational Knowledge and Skills for Health Science..... 366

Chapter 11

Communication.....368

Chapter 12

Healthcare Technology.....426

Chapter 13

Medical Math.....470

Unit 4

Essential Knowledge and Skills for Health Science..... 532

Chapter 14

Systems.....534

Chapter 15

Ethical Issues576

Chapter 16

Legal Issues604

Unit 5

Medical Terminology and the Human Body 638

Chapter 17

Medical Terminology and Body Organization.....640

Chapter 18

Body Systems for Support and Movement.....670

Chapter 19

Body Systems for Transportation and Exchange716

Chapter 20

Body Systems for Regulation and Communication.....756

Chapter 21

Body Systems for Maintenance and Continuation806

Contents

Unit 1

Welcome to the Field of Health Science..... 2

Chapter 1

The Evolution of Healthcare.....4

Lesson 1.1

Historical Changes in Healthcare 6

Lesson 1.2

Future Trends in Healthcare 14

Lesson 1.3

Healthcare Challenges..... 22

Chapter 2

Safety—A Priority for Health Science Workers..... 32

Lesson 2.1

Personal and Patient Safety..... 34

Lesson 2.2

Protecting Against Infectious Diseases and Epidemics..... 52

Lesson 2.3

Responding to Emergency Situations..... 74

Unit 2

Career Knowledge and Skills for Health Science..... 86

Chapter 3

Health Science Career Preparation88

Lesson 3.1

Study Skills for Health Science Students... 90

Lesson 3.2

Career Pathways and Employment Opportunities..... 99

Lesson 3.3

Career Selection and Preparation..... 108

Chapter 4

Career Skills in Health Informatics Services..... 120

Lesson 4.1

Personal Traits and Career Choices in Health Informatics Services 122

Lesson 4.2

Technical Skills in Health Informatics Services 132

Chapter 5

Career Skills in Therapeutic Services 144

Lesson 5.1

Personal Traits and Career Choices in Therapeutic Services 146

Lesson 5.2

Technical Skills in Therapeutic Services 163

Chapter 6

Career Skills in Diagnostic Services 176

Lesson 6.1

Personal Traits and Career Choices in Diagnostic Services..... 178

Lesson 6.2

Technical Skills in Diagnostic Services..... 192





Chapter 7
Career Skills in Support Services204

Lesson 7.1
 Personal Traits and Career Choices
 in Support Services..... 206

Lesson 7.2
 Technical Skills in Support Services..... 219

Chapter 8
**Career Skills in Biotechnology
 Research and Development 232**

Lesson 8.1
 Personal Traits and Career Choices
 in Biotechnology Research and
 Development 234

Lesson 8.2
 Technical Skills in Biotechnology
 Research and Development 247

Chapter 9
**Health Maintenance
 for Health Professionals and Patients ... 264**

Lesson 9.1
 Physical Health, Wellness, and Self-Care
 Practices..... 266

Lesson 9.2
 Public Health and Preventive Care
 Strategies 280

Lesson 9.3
 Mental and Behavioral Health 286

Lesson 9.4
 Holistic Health and Wellness Practices ... 296

Chapter 10
**Preparing for Healthcare
 Employment..... 310**

Lesson 10.1
 Working as Part of a Team 312

Lesson 10.2
 Learning Universal Technical Skills 325

Lesson 10.3
 Transitioning from School to Work..... 344

Unit 3
**Foundational Knowledge
 and Skills for Health Science 366**

Chapter 11
Communication 368

Lesson 11.1
 Speaking and Listening Skills 370

Lesson 11.2
 Reading and Writing Skills 383

Lesson 11.3
 Observation Skills 403

Lesson 11.4
 Barriers to Communication..... 409

Lesson 11.5
 Developing Cultural Competence..... 415



Chapter 12

Healthcare Technology..... 426

Lesson 12.1

Development of Electronic Health Records 428

Lesson 12.2

Documentation in an Electronic Health Record 437

Lesson 12.3

Technological Developments in Healthcare 447

Chapter 13

Medical Math 470

Lesson 13.1

Measurement Systems and Conversions... 472

Lesson 13.2

Healthcare Tasks That Use Basic Math Skills 480

Lesson 13.3

Healthcare Tasks That Use Mathematical Conversions 497

Lesson 13.4

Healthcare Tasks That Use Data Analysis and Interpretation 509

Unit 4

Essential Knowledge and Skills for Health Science..... 532

Chapter 14

Systems 534

Lesson 14.1

Healthcare Delivery Systems..... 536

Lesson 14.2

Healthcare Economic Systems and Related Terms 547

Lesson 14.3

Applying Systems Theory to Emerging Issues in Healthcare..... 554



Chapter 15

Ethical Issues..... 576

Lesson 15.1

Ethical Principles in Healthcare 578

Lesson 15.2

Ethical Work Practices 583

Lesson 15.3

Bioethics..... 593

Chapter 16

Legal Issues..... 604

Lesson 16.1

Legal Basics..... 606

Lesson 16.2

Legal Responsibilities and Implications of Tort Law 610

Lesson 16.3

Laws Protecting Patient Rights 619

Lesson 16.4

Laws Regulating Health and Safety..... 623

Lesson 16.5

Employment Laws..... 627

Unit 5

Medical Terminology and the Human Body 638

Chapter 17

Medical Terminology and Body Organization 640

Lesson 17.1

Medical Terminology 642

Lesson 17.2

Body Organization and Related Medical Terms..... 648

Lesson 17.3

Anatomical Terminology 656

Chapter 18

Body Systems for Support and Movement 670

Lesson 18.1

The Integumentary System 672

Lesson 18.2

The Skeletal System..... 685

Lesson 18.3

The Muscular System..... 699

Chapter 19

Body Systems for Transportation and Exchange..... 716

Lesson 19.1

The Cardiovascular System..... 718

Lesson 19.2

The Lymphatic System..... 734

Lesson 19.3

The Respiratory System..... 742

Chapter 20

Body Systems for Regulation and Communication 756



Lesson 20.1

The Nervous System..... 758

Lesson 20.2

The Special Senses..... 781

Lesson 20.3

The Endocrine System 795

Chapter 21

Body Systems for Maintenance and Continuation..... 806

Lesson 21.1

The Digestive System 808

Lesson 21.2

The Excretory (Urinary) System..... 818

Lesson 21.3

The Reproductive Systems 825

Appendix A

Health Science Careers by Personality Type..... 846

Appendix B

Bones of the Human Body..... 847

Glossary 849

Index..... 867

Feature Contents

HOSA Event Prep



Medical Reading	5
CERT Skills	33
Family Medicine Physician	89
Health Informatics	121
Clinical Nursing	145
Medical Assisting	177
Creative Problem Solving	205
Research Poster	233
Healthy Lifestyle	265
Job Seeking Skills	311
Prepared Speaking	369
Medical Innovation	427
Medical Math	471
Public Health	535
Biomedical Debate	577
Medical Law and Ethics	605
Medical Terminology	641
Pathophysiology	671
HOSA Bowl	717
Behavioral Health	757
Health Education	807

Students and Sleep	276
Effects of Stress	277
Understanding Holistic Health	303
Working in a Team	314
Leadership Styles	324
Identifying Emergencies	338
Work Experience	345
Understanding Paychecks	355
Making a Job Change	359
Communication Error	371
Poor Listening Skills	373
Passive Communication	375
SBAR System	376
Reading and Writing	384
Scientific Communication	397
Scientific Communication	398
First Day Nerves	404
Avoiding Errors	412
Cultural Competence	418
Electronic Records	443
Support Services Technology	453
Data Management	463
Food Costs	499
Using Mean, Median, and Mode	510
Average Confusion	511
Ethical Principles	588
Scope of Practice	611
Mandatory Reporting	617
Athletic Training	700
Recreational Therapy	701
Drug Screening	818



Healthcare Professions

Student Choices	9
The Evolving Nature of Healthcare	17
Performing a Safety Check	36
Working with Cleaning Products	40
Managing Stress	43
Back Pain	44
Improper Food Handling	48
Drug-Resistant Bacteria in Pediatrics	55
Standard Precautions in the Dental Office	65
Sterilizing	71
The Importance of Accreditation	103
Using the Career Ladder	107
Career Choice	110
Professionalism	124
Health Educators and Serving People	130
Maintaining Accuracy	133
The Therapeutic Career Path	147
Serving People	148
Accepting Criticism	149
Nursing Assistant	164
The Diagnostic Worker	179
Personal Traits	180
The Support Services Worker	207
The Biotechnology Research and Development Worker	235
Computer Graphic Design	246

PROCEDURES

Terminal Cleaning	70
Wrapping Equipment for an Autoclave	72
Complete a New Patient Registration Form	136
Performing Passive ROM for the Hand	168
Filling a Prescription	169
Putting On and Removing Sterile Gloves	170
Conducting a Vision Screening for a Child or Adult	196
Preparing and Assisting with a Routine Physical Examination	198
Making a Hospital Bed	220
Providing Wheelchair Transport	226
Testing Urine Using a Reagent Strip	254
Measuring Height and Weight Using a Mechanical, Upright Scale	327
Measuring Oral Temperature Using a Digital Thermometer	329
Measuring Radial Pulse	331
Measuring Respirations	332
Measuring Blood Pressure	335

To the Student

Welcome to the field of health science!

We hope you will enjoy learning from the experiences and insights of health-care workers as you read about the wide variety of careers in healthcare. You will study the five health science career pathways and will learn professional skills and standards of behavior used by workers in each pathway.

As you use the reading supports provided in this text, including professional vocabulary, mapping your reading, and connecting with and reflecting on your reading, you will improve your understanding of health science content. At the same time, you will strengthen your reading and comprehension skills.

Whether you have a specific career in mind or are just beginning your search, you will be excited to know that there are literally hundreds of healthcare occupations from which to choose. When you read about work personalities, leadership styles, and preferences for data, people, things, or ideas, take time to consider your own personal preferences, and you will discover satisfying career options for your future. Practicing the technical skills associated with each pathway will provide additional clues to your preferred career pathway.

Prepare for challenging health science coursework by sharpening your study skills. Use the memory techniques for learning vocabulary, try different methods for taking notes, and assess your personal learning style to improve your study habits. If you develop a plan for managing your time and learn skills for taking exams now, you will see the benefits throughout your school and work life.

Above all, we hope you will be excited to learn about the amazing variety of healthcare careers and will feel prepared to discover the pathway to your future career!

Dottie Winger

Sue Blahnik