Texas

Health Skills for High School

Catherine A. Sanderson, PhD

Professor of Psychology Amherst College Amherst, Massachusetts

Mark Zelman, PhD

Professor of Biology Aurora University Aurora, Illinois

Pedagogy Developers

Diane Farthing, NBCT Health Educator Pleasanton, California

Melanie Lynch, M.Ed.

Health Education Specialist Pittsburgh, Pennsylvania

Melissa Munsell

Instructional Specialist Physical Education and Health Department San Antonio, Texas



Publisher **The Goodheart-Willcox Company, Inc.** Tinley Park, Illinois www.g-w.com

Copyright © 2023 by **The Goodheart-Willcox Company, Inc.**

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 978-1-68311-531-1

2 3 4 5 6 7 8 9 - 23 - 26 25 24 23 22

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. CDC Disclaimer: The use of materials from the CDC (Centers for Disease Control and Prevention) used in Goodheart-Willcox textbooks and supplements does not imply endorsement or recommendation by the CDC, ATSDR (Agency for Toxic Substances and Disease Registry), HHS (Department of Health and Human Services), or the United States Government for the content, products, or services contained in Goodheart-Willcox print or digital publications. Materials from the CDC are also available at http://www.cdc.gov free of charge.

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.

Cover images: Background image: keren-seg/Shutterstock.com; Top image: Wavebreakmedia/iStock via Getty Images; Bottom circles, left to right: monkeybusinessimages/iStock via Getty Images, Daisy-Daisy/iStock via Getty Images, Merla/Shutterstock.com; Blue background element: ArtFish/Shutterstock.com; Big Ideas icon: Hilch/Shutterstock.com; Health Management Plan icon: IconBunny/Shutterstock.com; Skills icon: Goodheart-Willcox Publisher; Reading and Notetaking icon: Webicon/Shutterstock.com; Setting the Scene icon: Legend_art/Shutterstock.com; Research in Action icon: Lucky Creative/Shutterstock.com; Health in the Media icon: Dacian G/Shutterstock.com; Case Study icon: FishCoolish/Shutterstock.com; Quiz icon: VectorKnight/Shutterstock.com; Local and Global Health icon: Oleh Svetiukha/Shutterstock.com;

Spotlight on Health and Wellness Careers icon: Imagine Room/Shutterstock.com; Health Across the Life Span background: Triff/Shutterstock.com

About the Authors

Catherine A. Sanderson is the Poler Family Professor and Chair of Psychology at Amherst College. She received a bachelor's degree in psychology, with a specialization in Health and Development, from Stanford University, and received both master's and doctoral degrees in psychology from Princeton University. Professor Sanderson's research examines how personality and social variables influence health-related behaviors, such as safer sex and disordered eating. Her research also examines the development of persuasive messages and interventions to prevent unhealthy behavior and predictors of relationship satisfaction. This research has received grant funding from the National Science Foundation and the National Institutes of Health. Professor Sanderson has published more than 25 journal articles and book chapters; four college textbooks; high school and middle school health textbooks; and a trade book, The Positive Shift, which examines how mind-set influences happiness, health, and even how long people live. Her latest book, Why We Act: Turning Bystanders into Moral Rebels, examines why good people often stay silent or do nothing in the face of wrongdoing. In 2012, she was named one of the country's top 300 professors by the Princeton Review.

Mark Zelman is a Professor of Biology at Aurora University, Aurora, Illinois. He received a bachelor's degree in biology at Rockford College, with minors in chemistry and psychology. He received a PhD in microbiology and immunology at Loyola University of Chicago, where he studied the molecular and cellular mechanisms of autoimmune disease. During his postdoctoral research at the University of Chicago, he studied aspects of cell physiology pertaining to cell growth and cancer. Dr. Zelman supervises undergraduate research on streptococcal and staphylococcal infections, and mechanisms of antibiotic resistance. He teaches science education courses for high school teachers. He has published articles on microbiology, infectious disease, autoimmune disease, and biotechnology, and he has written two college texts on human diseases and infection control. Dr. Zelman works with the West Africa AIDS Foundation in Ghana and other public health projects in the US and abroad. He is an officer of the Illinois State Academy of Sciences and Editor-in-Chief of the Academy's scientific journal, Transactions.





Pedagogy Developers







Diane Farthing received her bachelor's degree and teaching credentials from Kent State University in Ohio and has been teaching health education for 38 years. In 2010, she became a National Board Certified Teacher. Diane's teaching career includes 16 years at a continuation high school and five years at the middle school level. Since 2004, she has been teaching health education and anatomy and physiology at Amador Valley High School in Pleasanton, California. She is a strong believer in the power of collaboration. She spent seven years as part of the Bay Area Physical Education-Health Subject Matter Project leadership team designing and delivering professional development institutes. In 2014, she took on the role of Health Program Director for the Health and Physical Education Collaborative (H-PEC), a nonprofit organization dedicated to helping teachers develop physical and health literacy in their students. Diane was a member of the CDE's Framework and Evaluation Criteria Committee and helped write the Health Education Curriculum Framework for California Public Schools. She is the 2019 California Association for Health, Physical Education, Recreation, and Dance (CAHPERD) Health Teacher of the Year and the 2020 Western District Teacher of the Year.

Melanie Lynch is an experienced teacher with more than 25 years in the classroom. She spent the first 21 years of her career specializing in teaching only health education. She now teaches health and physical education in Pittsburgh, Pennsylvania, at North Allegheny Intermediate High School. She has served as Vice President of Health Education for SHAPE Pennsylvania for five years and served as their President in 2016. Also in 2016, SHAPE America named Melanie the National Health Education Teacher of the Year. Melanie's love of working with students and her creative, skills-based lesson ideas have taken her all over the country, where she has spoken to thousands of teachers. Melanie is grateful to work, learn, and grow with so many amazing teachers.

Melissa Munsell has worked as an instructional specialist in the Physical Education and Health Department at North East Independent School District in San Antonio, Texas, and served as the K–12 Health Education Lead for the district. Melissa received a bachelor's degree in kinesiology from The University of Texas at Austin and is certified to teach Physical Education K–12 and Health Education 6–12, among other endorsements, in the state of Texas. She has 28 years of teaching and administrative experience, including six years teaching health education at the high school level. She has also served as vice president of the Health Division and General Division of the Texas Association for Health, Physical Education, Recreation, and Dance (TAHPERD) and presents workshops and lectures on various health topics locally and statewide.

Contributors and Reviewers

Contributors

Goodheart-Willcox Publisher would like to thank the following classroom instructors who contributed to the development of the *Warm-Up*, *Real World Health Skills*, *Health and Wellness Skills*, and *Hands-On Activities*.

Michael A. Cleffi, II

Health and Physical Education Instructor Bethlehem Area School District Bethlehem, Pennsylvania

Haillie Moudy

Health and Physical Education Instructor Sierra Sands Unified School District Ridgecrest, California

Kathryn Smith, MAT

Family and Consumer Sciences Instructor Issaquah High School Issaquah, Washington

Advisory Board

Goodheart-Willcox Publisher would like to thank the following advisory board members who provided guidance in the development of *Texas Health Skills for High School.*

Carolyn Cleaves

Health Instructor Alisal High School Salinas, California

Susan Gabin

Health Educator Frontier High School Bakersfield, California

Mary Irilian

Health Instructor Hart High School Newhall, California

Kellie A. Johnson

Assistant Athletic Coordinator, Health Instructor LEE High School San Antonio, Texas

Beth Kahn

Health Instructor North Salinas High School Salinas, California

Janelle Merry

Health and Physical Education Instructor North County Trade Technical High School Vista, California

Haillie Moudy

Health and Physical Education Instructor Sierra Sands Unified School District Ridgecrest, California

Tracey Rudnick

Health Instructor Bradley Middle School San Antonio, Texas

Nancy Searle

Health Instructor McCallum High School Austin, Texas

Shasta Smith

Health Education Instructor Sitka High School Sitka, Alaska

Delia Thibodeaux

Health Instructor Westside High School Houston, Texas

Professional Reviewers

Goodheart-Willcox Publisher would like to thank the following health professionals who reviewed selected chapters and contributed valuable input into the development of *Texas Health Skills for High School*.

Kelsey Banaszynski

Food Scientist, Research & Innovation Danone North America Louisville, Colorado

Kathy Barnes, Ed.D.

Educational Consultant Texas

Jennifer Carroll, MSW

Resource Development Manager National Eating Disorders Association (NEDA) New York, New York

Maryann Y. Davis, CATC II

Addiction Counselor and Mental Health Program Technician The Gooden Center Pasadena, California

Michael Dorcas

Registered Pharmacist Apple Valley, Minnesota

Pam Garramone, M.Ed.

Positive Psychology Keynote Speaker Wholebeing Institute Quincy, Massachusetts

Shawn V. Giammattei, PhD

Psychologist Quest Family Therapy Santa Rosa, California

Heidi Hanna, PhD

CEO, Stress Mastery Academy; Fellow, American Institute of Stress Stress Mastery Academy San Diego, California

Deb Kimberlin, PhD, RDN, LDN

Associate Professor Olivet Nazarene University Bourbonnais, Illinois

Linnea L. Mavrides, PsyD, CGP

Clinical Psychologist, Adjunct Professor LIU-Post Brookville, New York

Merle Wilder

High School Counselor Belleville East High School Belleville, Illinois

Instructor Reviewers

Goodheart-Willcox Publisher would like to thank the following health education instructors who reviewed selected chapters and contributed valuable input into the development of *Texas Health Skills for High School*.

Lindsay Armbruster

Health Education Teacher Burnt Hills-Ballston Lake Central School District Burnt Hills, New York

Trish Armstrong

Health Educator Northampton High School Northampton, Massachusetts

Michael Bargas

Health Education Instructor Estancia High School Costa Mesa, California

Cheryl Berude

Dual Credit Instructor/ Health Science Pathway Boerne-Champion High School Boerne, Texas

Susie Blucher

Health Instructor Tejeda Middle School San Antonio, Texas

Andrew Bonsall

Health Science Instructor and Physical Educator Marina High School Huntington Beach, California

Margaret Brown

Health Educator Deerfield Academy Deerfield, Massachusetts

Amanda Browning

Health and Physical Education Instructor Weaver Academy, Guilford County Schools Greensboro, North Carolina

Dr. Graciela Lea Bryant

Health Educator Huntsville High School Huntsville, Alabama

Kim Cherre

Health/Physical Education Department Chair Cary Academy Cary, North Carolina

Dominique Clarke

Physical Education Instructor First Coast High School Jacksonville, Florida

Bryan Cromer

Instructor, Coach Panther Creek High School Cary, North Carolina

Maureen T. Delaney

Assistant Principal Bowie High School Bowie, Maryland

Sara Fiorini

Health and Physical Education Instructor Arlington Public Schools Arlington, Virginia

Susan Gabin

Health Educator Frontier High School Bakersfield, California

Dr. Stacy Germany

Health Science Educator Westwood High School Austin, Texas

Kyle Gilmer

Physical Education Upper School Instructor Greensboro Day School Greensboro, North Carolina

Dr. Cara D. Grant

Supervisor, PreK–12 Health and Physical Education Montgomery County Public Schools Rockville, Maryland

Glenn Hagood

Health and Physical Education Chair St. John Paul II Catholic High School Huntsville, Alabama

Lori Hewlett Chairperson for Health Education Sachem Central School District

Lake Ronkonkoma, New York

Mary Irilian

Health Instructor Hart High School Newhall, California

Kellie A. Johnson

Assistant Athletic Coordinator, Health Instructor LEE High School San Antonio, Texas

Beth Kahn

Health Instructor North Salinas High School Salinas, California

Katie Laraway

Healthful Living Instructor Raleigh Charter High School Raleigh, North Carolina

Rachael McClure

Health Instructor Pelham High School Pelham, Alabama

Jolene Meza

Instructor Cleveland Charter High School Reseda, California

Haillie Moudy

Health and Physical Education Instructor Sierra Sands Unified School District Ridgecrest, California

Tracey Rudnick

Health Instructor Bradley Middle School San Antonio, Texas

Julia Russell

Health Instructor South Tahoe High School South Lake Tahoe, California

Nancy H. Searle

Health Instructor McCallum High School Austin, Texas

Bill Shandor

Director of Athletics/ Physical Education Instructor Desert Academy Santa Fe, New Mexico

Shasta Smith

Health Education Instructor Sitka High School Sitka, Alaska

Cynthia Smyser

Science and Health Instructor University of Illinois Laboratory High School Urbana, Illinois

Leah Swedberg

Health Instructor West Fargo High School West Fargo, North Dakota

Lyle Takeshita

Health Instructor Temple City High School Temple City, California

Delia Thibodeaux

Health Instructor Westside High School Houston, Texas

James Tulley

Health Education Instructor Scarsdale High School Scarsdale, New York

Deb Van Klei

QCOMP Coordinator Stillwater Area Public Schools Stillwater, Minnesota

Julie Woodruff

Health Science Technology Instructor Champion High School Boerne, Texas

Brief Contents

Unit 1	Promoting a Chapter 1 Chapter 2 Chapter 3	Health and Wellno Health and Wellno	ess Fundamentals ess Skills	2
Unit 2	Being Ment Chapter 4 Chapter 5 Chapter 6 Chapter 7	Promoting Mental Shifting to Positiv Managing the Stre	and Emotional Health e Thinking ess in Your Life	98 100 140 174 208
Unit 3	Developing Chapter 8 Chapter 9 Chapter 10	Following a Health Having a Healthy	hy Diet Body Image	244 246 296 326
Unit 4	Avoiding Ha Chapter 11 Chapter 12 Chapter 13	Vaping and Tobac Alcohol	co	360 362 394 422
Unit 5	Establishin Chapter 14			
Unit 6	Protecting V Chapter 15 Chapter 16	Personal Safety		
Unit 7	Understand Chapter 17 Chapter 18	Communicable Dis	seases	
Unit 8	Human Dev Chapter 19	-		
	Bac	ckground Lesson 1	The Body Systems	
		ckground Lesson 2		
	Bac	ckground Lesson 3	Sleep	

Contents

Unit 1	Promoting	g a Lifetime	e of Health and Wellness 2			
	Chapter 1	Health and \	Health and Wellness Fundamentals			
		Lesson 1.1	What Are Health and Wellness?			
		Lesson 1.2	Individual Factors Affecting Health and Wellness			
		Lesson 1.3	Environmental Factors Affecting Health and Wellness 19			
	Chapter 2	Health and \	Wellness Skills 32			
		Lesson 2.1	Making Decisions and Setting Goals			
		Lesson 2.2	Using Health Information			
		Lesson 2.3	Accessing Health Services			
		Lesson 2.4	Advocating for Community and Public Health			
	Chapter 3	Interpersona	ıl Skills			
		Lesson 3.1	Communicating Effectively70			
		Lesson 3.2	Resolving Conflicts			
		Lesson 3.3	Resisting Pressure			
Unit 2	Being Me	ntally and I	Emotionally Healthy			
	Chapter 4	Promoting N	Iental and Emotional Health100			
		Lesson 4.1	Mental and Emotional Health and Well-Being 102			
		Lesson 4.2	Embracing Your Identity			
		Lesson 4.3	Building Your Self-Esteem			
		Lesson 4.4	Expressing Your Emotions 128			
	Chapter 5	Shifting to P	ositive Thinking			
		Lesson 5.1	Understanding Happiness 142			
		Lesson 5.2	Establishing a Positive Mind-Set149			
		Lesson 5.3	Developing Empathy and Resilience161			
	Chapter 6	Managing th	e Stress in Your Life			
		Lesson 6.1	What Is Stress?			
		Lesson 6.2	Health Effects of Stress			
		Lesson 6.3	Managing Stress			

	Chapter 7	Understandi	ng Mental IIInesses	. 208
		Lesson 7.1	What Are Mental IIInesses?	.210
		Lesson 7.2	Getting Help for Mental Illnesses	. 221
		Lesson 7.3	Preventing and Coping with Suicide	. 232
Unit 3	Developin	g a Healthy	Lifestyle	244
	Chapter 8	Following a	Healthy Diet	. 246
		Lesson 8.1	What Is Nutrition?	. 248
		Lesson 8.2	Establishing a Healthy Eating Pattern	
		Lesson 8.3	Choosing and Preparing Nutritious Foods	. 270
		Lesson 8.4	Managing Your Weight	. 280
	Chapter 9	Having a He	althy Body Image	. 296
		Lesson 9.1	Factors That Influence Body Image	. 298
		Lesson 9.2	Disordered Eating and Eating Disorders	. 307
		Lesson 9.3	Improving Your Body Image	. 315
	Chapter 10	Engaging in	Physical Activity	. 326
		Lesson 10.1	Understanding Physical Activity and Fitness	. 328
		Lesson 10.2	Getting Enough Physical Activity	. 336
		Lesson 10.3	Staying Safe During Physical Activity	. 348
Unit 4	Avoiding I	Hazardous	Substances	360
	Chapter 11	Vaping and $$	Говассо	. 362
		Lesson 11.1	Health Effects of Vaping and Tobacco	. 364
		Lesson 11.2	Preventing and Treating Tobacco Use	. 379
	Chapter 12	Alcohol		. 394
		Lesson 12.1	Health Effects of Alcohol	. 396
		Lesson 12.2	Preventing and Treating Alcohol Abuse	. 410
	Chapter 13	Medications	and Drugs	. 422
		Lesson 13.1	Safe Medication Use	. 424
		Lesson 13.2	Medication Misuse and Abuse	. 430

Lesson 13.3	Drug Abuse 4	40
Lesson 13.4	Preventing and Treating Medication and Drug Abuse 4	54

Unit 5	Establishi	ng Healthy	Relationships	466
	Chapter 14	Maintaining	g Healthy Relationships	468
		Lesson 14.1	Qualities of a Healthy Relationship	
		Lesson 14.2	Supporting Family and Community Relationships	s 477
		Lesson 14.3	Developing Peer Relationships	
		Lesson 14.4	Bullying and Cyberbullying	
Unit 6	Protecting	g Your Heal	th	510
	Chapter 15	Personal Sa	fety	512
		Lesson 15.1	Preventing Accidents and Injuries	
		Lesson 15.2	Handling Dangerous Situations	522
		Lesson 15.3	Being Safe on the Internet	530
		Lesson 15.4	Performing First Aid	542
	Chapter 16	Environment	al Health	558
		Lesson 16.1	Understanding the Environment	
		Lesson 16.2	Identifying Environmental Hazards	
		Lesson 16.3	Protecting the Environment	579
Unit 7	Understar	nding Disea	ses and Disorders	592
onic /				
	Chapter 17		ole Diseases	
			What Are Communicable Diseases?	
			Recognizing Communicable Diseases	
		Lesson 17.3	Preventing and Treating Communicable Diseases	611
	Chapter 18	Noncommun	icable Diseases	622
		Lesson 18.1	What Are Noncommunicable Diseases?	624
		Lesson 18.2	Cardiovascular Diseases	628
		Lesson 18.3	Cancer	637
		Lesson 18.4	Other Noncommunicable Diseases	643

Unit 8	Unit 8 Human Development Chapter 19 Health Across the Life Span				654
					656
		Lesson 19.1	Unde	erstanding Development	
		Lesson 19.2	Heal	th During the Childhood Years .	
		Lesson 19.3	Adul	thood and the Nature of Aging	
	В	ackground Les	son 1	The Body Systems	
	В	ackground Les	son 2	Personal Hygiene	
	В	ackground Les	son 3	Sleep	
		-			
	Ir	ndex			

Feature Contents



Case Studies

The Interactions of Your Health	7
Health Resources: What Are Available and How to Access Them	
Peer Pressure in Action	
Who You Are	
Social Media Envy	153
Stressful Situations	
Mental Health Medical Record Profiles	
Individual Dietary Needs	
How Do I Look?	
Getting More Physical Activity	
"Just" a Vape	
The Impact of Alcohol	
Prescription Problems	
Rumors: A Harmless Story?	
Navigating Life Online	537
Environmental Impact	576
Blocking Germs Every Day	613
Dealing with Illness	648



Research in Action

The Areas of Health Affect Each Other	10
Debunking Health Claims	43
The Magic Relationship Ratio	83
Technology and Your Mental and Emotional Health	105
Resilience's Lasting Power	166
Can Stress Be Passed Through Generations?	189
Mental Illnesses: Biology and Psychology	211
How Do Emotions Affect Your Food Choices?	272

Diversity in the Media and Body Image	304
Physical Activity and Mental and Emotional Health	
Tobacco Use and Risky Behaviors	
Co-Occurring Disorders: Substance Use and Mental Health	
Your Brain on Drugs	
How Close Are Online Friendships?	488
Do Violent Video Games Cause Violence?	497
Which Substances Are Carcinogens?	573
Combating Antibiotic Resistance	616
Improving Diabetes Treatment	645

Local and Global Health

Perceptions and Norms: The Impact on Health	22
Challenges to Accessing Healthcare	55
Culture Affects Communication	74
Everyone Has a Cultural Identity	
Describing Happiness Around the World	
Are Some Countries More Stressful Than Others?	
Perceptions of Mental Illnesses	
Undernutrition: A Global Problem	
The Thin Ideal Is Not Universal	
Physical Activity Around the World	
Rates of Tobacco Use Around the World	
Consequences of Alcohol Use	
The Opioid Epidemic	
Parents and Children Around the World	
Extreme Weather and a Changing Climate	528
Water and Sanitation	
The Unequal Burden of Communicable Disease	
Noncommunicable Diseases in Your Community and World	
What Does It Mean to Be an Adult?	



Health in the Media

How Has Technology Affected Health?	24
Analyzing Health Advertisements	
The Power of Virtual Peer Pressure	
The Rapid Spread of Negative Emotions	131
Social Media: A Rigged Game of Social Comparison	159
Can Social Media Cause Stress?	
Media Representations of Suicide	235
Be Wary of Music Star Endorsements	
Editing and Airbrushing Media Images	
Choosing Fitness Products	
Tobacco in the Media: Then and Now	
The Impact of Alcohol Advertisements	
Drugs and Your Digital Footprint	
Media Relationships: Healthy or Unhealthy?	
Social Media Challenges and Dares	519
The Hidden Costs of Cheap Goods	
The Health Hazards of Misinformation	614
Social Media and Disease	641
Disabilities in the Media	



Skills for Health and Wellness

Creating a Health Management Plan53Solve a Conflict with a Friend85Mental and Emotional Health Checkup110Shifting to Positive Self-Talk157Trying Relaxation Techniques200Helping a Friend Who Is Considering Suicide237Following a Recipe278Helping a Friend with Disordered Eating309Making a Physical Activity and Fitness Plan346	What Factors Affect Your Health?	26
Mental and Emotional Health Checkup.110Shifting to Positive Self-Talk157Trying Relaxation Techniques200Helping a Friend Who Is Considering Suicide237Following a Recipe278Helping a Friend with Disordered Eating.309	Creating a Health Management Plan	53
Shifting to Positive Self-Talk157Trying Relaxation Techniques200Helping a Friend Who Is Considering Suicide237Following a Recipe278Helping a Friend with Disordered Eating309	Solve a Conflict with a Friend	85
Trying Relaxation Techniques200Helping a Friend Who Is Considering Suicide237Following a Recipe278Helping a Friend with Disordered Eating309	Mental and Emotional Health Checkup	110
Helping a Friend Who Is Considering Suicide237Following a Recipe278Helping a Friend with Disordered Eating309	Shifting to Positive Self-Talk	157
Following a Recipe	Trying Relaxation Techniques	200
Helping a Friend with Disordered Eating	Helping a Friend Who Is Considering Suicide	237
	Following a Recipe	278
Making a Physical Activity and Fitness Plan	Helping a Friend with Disordered Eating	309
	Making a Physical Activity and Fitness Plan	346

Refusing Tobacco	
Reporting Substance Use	
Helping Someone with Substance Use or Misuse	
Being an Upstander and Ally	501
Promoting an Online Environment of Respect	532
Donating Used Belongings	585
Help Prevent the Spread of Disease	615
Promote Heart Health	635
Working Through Grief	674

Health Across the Life Span

How Does Mind-Set Affect Aging?	152
The Ups and Downs of Stress	202
Your Food Choices Affect Your Life	286
Steps to a Healthier Life	333
Choose Your Future: Vaping and Tobacco	376
The Consequences of Drunk Driving Do Not Go Away	408
My Life, My Actions	524



Quizzes

What Kind of Communicator Are You?	76
How Healthy Is Your Self-Esteem?	
How Much Empathy Do You Have?	
What Is Your Level of Stress?	
How Healthy Is Your Friendship?	



Spotlight on Health and Wellness Careers

Licensed Clinical Psychologist: Linnea Mavrides	225
Physical Therapist: Courtney Hansen	344
Substance Abuse Counselor: Maryann Davis	460
Marriage and Family Therapist: Ileana Ungureanu	482
Paramedic: Cristian Hinojosa	553

To the Student

We wrote this exciting textbook for high school health and wellness classes based on our experiences as professors of psychology (Catherine Sanderson) and biology (Mark Zelman), and as the accomplished authors of high school and college-level textbooks. Our backgrounds give us a deep well of knowledge of the most current scientific theory and research to draw from.

Perhaps the most valuable experience we had in preparing us to write this book is our roles as parents to a combined total of seven children, ages 15 through 29. After all, in writing this book, we both reflected frequently on our experiences as parents and our goal of ensuring that our own children maintain excellent physical, mental and emotional, and social health.

This book includes all of the standard topics found in high school health and wellness books-including self-talk, self-compassion, and self-care; body positivity, neutrality, and compassion; health effects of vaping; medication and drug abuse (including opioids); digital citizenship and personal digital footprint; how social media affects physical, mental and emotional, and social health; and healthy relationships. We wanted our book to give high school students the most current health information, presented in an engaging writing style so students would enjoy reading the book. We included a focus on practical health skills that young people can use to develop and promote positive health and wellness habits throughout their lives.

In this new edition, we include information about the COVID-19 pandemic, including the characteristics of a pandemic, controlling disease outbreaks, and disease prevention. We also discuss the influence of stress, such as experiencing a global pandemic, on health and strategies to promote physical and psychological well-being.

As the authors of high school and college-level textbooks, we felt confident in our research and writing abilities, but felt that the pedagogy was better left to health teachers. We would like to thank Diane Farthing, Melanie Lynch, and Melissa Munsell for developing the skills-based questions, activities, and resources that are a vital part of this course. We are delighted with the final product, and wish all readers of this book a lifetime of health.

Cathe H. Jardun Mark Zelman