





Research-Based for a Balanced Approach

Authors







Philip Heit

The balanced approach found in *Macmillan/McGraw-Hill Health & Wellness* is a direct result of the beliefs of Linda Meeks and Philip Heit, America's most widely published health education co-authors. They have collaborated for more than 25 years, co-authoring over 300 health books used by millions of students, Pre-K through college.

Balanced Approach

Important Life Skills

- Access Health Facts, Products, Services
- Practice Healthful Behaviors
- Manage Stress
- Analyze What Influences Your Health
- Use Communication Skills
- Use Resistance/Refusal Skills
- Resolve Conflicts
- Set Health Goals
- Make Responsible Decisions
- Be a Health Advocate

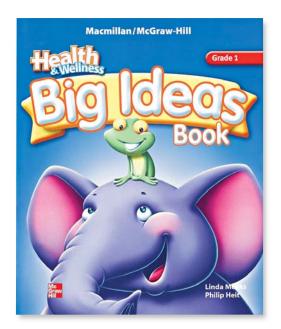
Promoting Health and Preventing Disease

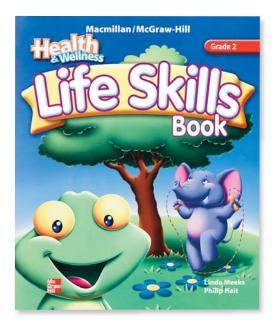
- Mental, Emotional, Family & Social Health
- Growth and Nutrition
- Personal Health and Safety
- Drugs and Disease Prevention
- Community & Environmental Health

Easy to Teach

10 Health Strands ... 5 Units of Study.

Flexible components allow teachers to tailor instruction to meet their individual classroom needs and schedules.





Grades K-2 Big Books

Primary grade lessons are presented through a combination of Big Ideas Books and age-appropriate Content Readers.



Grades 1–2 Content Readers

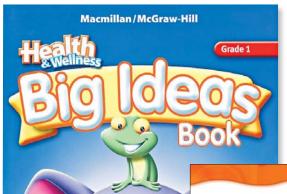
Upper grade lessons are presented in hardbound Pupil Editions.



Grades 3–8 Pupil Editions

Instructional Support: Primary

Big Ideas and Life Skills Big Books introduce important health concepts and lifelong health skills.



Large visuals encourage whole-class discussion.





Introduce the Big Idea



Display the *Health Big Ideas Book*, pp. 10–11 to introduce the topic of physical growth. Point to and identify the growth stages shown on the page as: *baby, toddler, child, teenager, adult,* and *senior.* Use the pictures to discuss what someone is capable of doing at each stage. Ask: **What**

could you do as a baby? Possible answers: crawl, eat, sleep, grab things What could you do as a toddler? walk, push things, pull things, run, speak What can you do now that you couldn't do as a toddler? Possible answers: write, read, run faster, speak more words Which pictures show what you will grow to look like? teenager, adult, senior

Teacher's Editions provide lesson strategies for introducing the Big Book pages and suggestions for facilitating whole-class discussion.

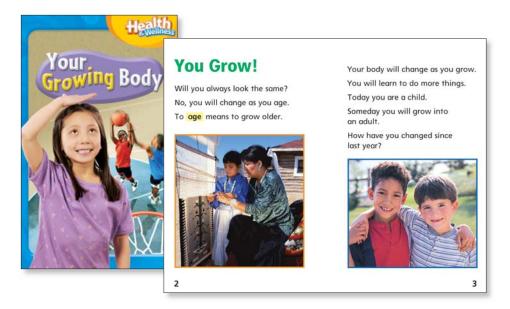
Introduce the Reader



Invite the class to preview the *Reader* by looking at the picture on the cover. Read the title aloud, and point out the child pictured in the foreground. Ask: What is the child doing? Possible answer: measuring height What do you think you will learn about in this chapter? how your body changes when you grow

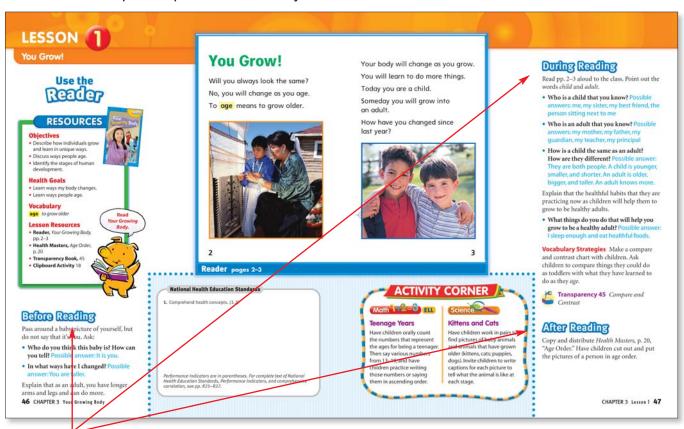
Addressing Misconceptions Help children understand that just because two people are the same age, they are not necessarily the same height or weight. Each person grows at his or her own rate.

Grades 1 and 2 Content Readers



Content Readers provide developmentally appropriate content for each health topic. These readers can be used independently, in small groups, or as part of whole class instruction.

An instructional plan is provided for every Content Reader lesson.



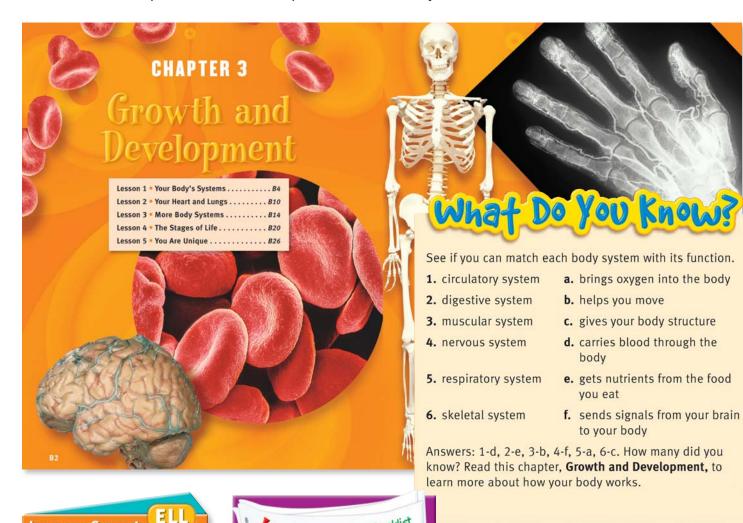
Before Reading, During Reading, and After Reading offer integrated reading support.

Vocabulary development strategies are also included in the Teacher Edition.

Building on What You Know...

A variety of assessment opportunities allow teachers the opportunity to monitor students' success.

In Grades 3–8, every chapter begins with pre-assessment. "What Do You Know?" identifies the specific health concepts students already know.



Language Support

Remind Spanish-speaking students that they already know

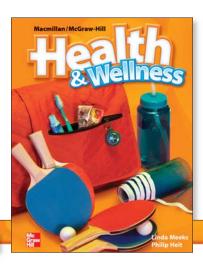
- many English words such as these cognates. · circulatory system/sistema circulatorio
- interest/interés
- · muscular system/sistema muscular
- puberty/pubertad
- · unique/único

Reading Strategies Checklist

- Strategies are provided to teach this chapter using the following reading skills:
- Draw Conclusions, B5,
- Make Predictions, B11
- Organize Information,

Support for all learners is provided in the Teacher's Edition. The Reading Strategies Checklist identifies specific reading strategies that are practiced throughout the chapter.

"You will learn" clearly identifies the lesson objectives.



You use muscles when you play sports and do

hard work. You even use muscles when you blink

your eyes. Your muscles, bones, brain, and the

other parts of your body all work together.

LESSON 1

Your Body's Systems

You will learn . . .

- how the human body is organized.
- how the skeletal and muscular systems work
- which body systems work together.

Vocabulary

- body system, 85
- skeletal system, B6
- muscular system, B6
- interdependence, B8

Vocabulary

- body system, B5
- skeletal system, B6
- muscular system, B6
- interdependence, B8

Important vocabulary is identified and highlighted throughout the lesson to aid understanding.

You will learn . . .

- how the human body is organized.
- how the skeletal and muscular systems work.
- which body systems work together.

Cells, Tissues, Organs, and Body Systems

The smallest living part of your body is a cell. Your body has many different kinds of cells. Blood cells, for example, carry oxygen throughout your body. Nerve cells carry messages to and from your brain. All cells use food and oxygen for energy. They grow and divide to form new cells. The new cells help you grow. They also replace cells that have died.

A group of cells that work together is a tissue. Your nerve cells make up tissues called nerves. Skin cells make skin tissue. Muscle cells make muscle tissue. All your body parts are made up of tissues.

A group of tissues that work together is an organ. Your heart, lungs, and kidneys are examples of organs. A body system is a group of organs that work together to carry out certain tasks. Your muscles all work together. They make up your muscular system. Your bones work together, too. They make up your skeletal system. Your heart and blood vessels work together. They make up your circulatory system. Each body system has a different function.



Cells are the smallest living parts of your body. These are blood cells.



▲ Cells make up tissues.
This is muscle tissue.



▲ Tissues make up organs. Your heart is an organ

Science

Investigate

Replacement

Parts

Find out which parts of the body can be replaced and how. Make a chart

learn. Scientists and doctors

may have replacement hip

bones, hands, or even legs.

summarizing what you

What is a tissue?

B5

Ongoing lesson assessment helps students summarize the main ideas of each lesson section.



Activities to Engage Interest

A variety of dynamic, motivating activities engage students' interest in health content, reinforce what students have learned, and connect to other areas of the curriculum.

Materials:

- 3 paper cups of soil labeled A-C
 - rulers
- 3 dried lima beans, soaked overnight
- · chart to record plant growth

How Tall?

Tell children they will measure how tall bean plants grow.

- Children plant 1 lima bean in each cup.
- Children measure plant heights over 2–4 weeks.
- Help children to water plants.
- Help children record data in a 3-row chart.

ELL Language Support Write the words baby, infant, student, pupil, grown-up, and adult on different index cards. Have partners match the synonyms.

Leveled Activities

Basic Have students scan discarded magazines for pictures that show people expressing emotions. Give students poster board, glue, and markers to make a feelings collage. Spatial

On-Level Have small groups of students write an advice column. Have letters describe situations asking about ways to express emotions in healthful ways. Include a response to each letter describing specific actions to manage emotions. Linguistic; Social

Challenge Have small groups of students research clubs and organizations for students in your local community. Encourage students to learn about the types of activities offered and the membership guidelines of each club or organization. Have students compile their findings in a pamphlet titled Boredom Busters. Linguistic; Social

> Math

Share the Pie

an a pizza party. There

e 28 students and

teacher in your class.

ich pizza pie is divided

to 8 slices. How many

zza pies will you need

nake sure each persor

These activity options are available for all types of classroom settings and meet a variety of instructional needs. They include leveled activities, cross-curricular connections, Life Skills practice, critical thinking, and Write About It activities. A Physical Fitness Plan activity is included in every chapter.

LIFE

CRITICAL THINKING

Set Health Goals

Your sister has set a long-term goal to eat more fruit. How can she reach this goal? Write a skit to help her.

- Write the health goal you want to set. I will eat healthful meals and snacks.
- Explain how your goal might improve your health. If your sister eats fruits for snacks, she will get vitamins and minerals. This will improve her physical health.
- Describe a plan to reach your goal. Keep track of your progress. Use a Health Behavior Contract. Use the sample on the next page as a guide. Include how to make a contract in your skit.
- Evaluate how your plan worked. You will need to explain how to decide if a goal is met. What can you suggest? Where could your sister get help if she needs it?



Physical Education **LONK** Make an

With a small group, choose one or two groups of muscles. Find out what kinds of exercise strengthen those muscles. Demonstrate the exercises for the class. Make

Exercise Poster

Physical Fitness Plan

- Use the warm-up track on the Workout Songs CD. Then use the workout tracks in any order for a complete workout.
- For a physical fitness plan, see pp. T34–T39 in this Teacher's Edition.
- · Also see the Physical Education activity on SE p. B7.



Assessment to Monitor Progress

A variety of assessment options are provided at all grade levels.

LESSON REVIEW

Review Concepts

- 1. Describe how cells, tissues, organs, and body systems are related.
- 2. Identify the functions of the skeletal and muscular systems.
- 3. Describe one way two or more body systems work together to keep your body working properly.

Critical Thinking

- 4. Compare and Contrast Explain the difference between voluntary and involuntary muscles.
- Manage Stress How can reducing stress protect your muscular and skeletal systems?

Lesson Reviews provide opportunities to assess student understanding. Critical Thinking and Life Skill questions provide on-going practice and reflection of these important skills.

CHAPTER 3 REVIEW

body system, 85 diabetes, B18 interdependence, B8 interest, B28 life cycle, B21 nutrient, B15 puberty, B18 unique, B27

Use Vocabulary

Choose the correct term from the list to complete each

- 1. The stages of life from birth to death make up the _?___.
- 2. During adolescence, you will go through the period
- 3. If something is one of a kind, it is _?
- 4. A desire to learn or know about something is a(n) ?
- 5. A(n) __? is a substance your body needs for energy, repairing itself, or growing.
- 6. A group of organs that work together to carry out certain tasks is a(n) ____
- 7. Body systems relying on one another to work properly is
- 8. The disease in which there is too much sugar in a person's

Review Concepts

Answer each question in complete

- 9. What is the role of the endocrine system?
- 10. What is infancy?
- 11. List the parts of the circulatory system.
- 12. Give an example of cooperative learning.
- 13. Describe how bones, tendons, muscles, and ligaments are related.
- 14. Describe how the human body is organized.

Reading Comprehension

Answer each question in complete

Your spinal cord sometimes acts as a control center. If you touch something very hot, you pull your hand away without even thinking about it. Nerves in the spinal cord tell the muscles in your hand to move—fast! This quick reaction without waiting for a message from the brain is called a reflex.

- 15. What is a reflex?
- 16. What tells your hand to move when you touch something very hot?
- 17. Why are reflexes important?

In addition to the on-going lesson monitoring questions and lesson reviews, there are chapter reviews, unit assessments, and projects. Additional assessments can be found in the Health Masters Assessment book.

Critical Thinking/Problem Solving

Answer each question in complete sentences.

Analyze Concepts

- 18. Explain how the circulatory and respiratory systems are interdependent.
- 19. How do you learn best? What learning and study strategies do you use?
- 20. How are the joints in your skull similar to the joint in your elbow? How are they different?

The chart shows some of the roles of your body systems.

System	Provide Energy or Nutrients	Movement	Remove Wastes	Control Body Functions		
Circulatory	yes	no	yes	по		
Digestive	yes	no	yes	no		
Endocrine	no	no	no	yes		
Muscular	no	yes:	no:	no		



erformance Assessment

Healthy Heart Basket Prepare baskets for children from construction paper or paper bags. Decorate each basket with a heart Provide children with pictures or small objects representing things that are healthful and a few things that are not. Healthful items might represent exercise, such as baseballs, bikes, or healthful foods, Unhealthful items might include pictures of a cigarette or a candy bar.

Check that children place only healthy items in their baskets. Ask volunteers to tell the class why they chose each item.





Let's Review You can choose to have your children write or discuss their answers with a partner, small group, or whole class

- Name one sense. Tell the body part that uses it. Possi
- 2 Draw your face. Tell why you are special. Ans
- What do your lungs do? My lungs help me use air. How does exercise help you stay well? Possible and
- Tell one way to take care of your stomach. Possible

Use Health Masters, p. 30, for chapter test.

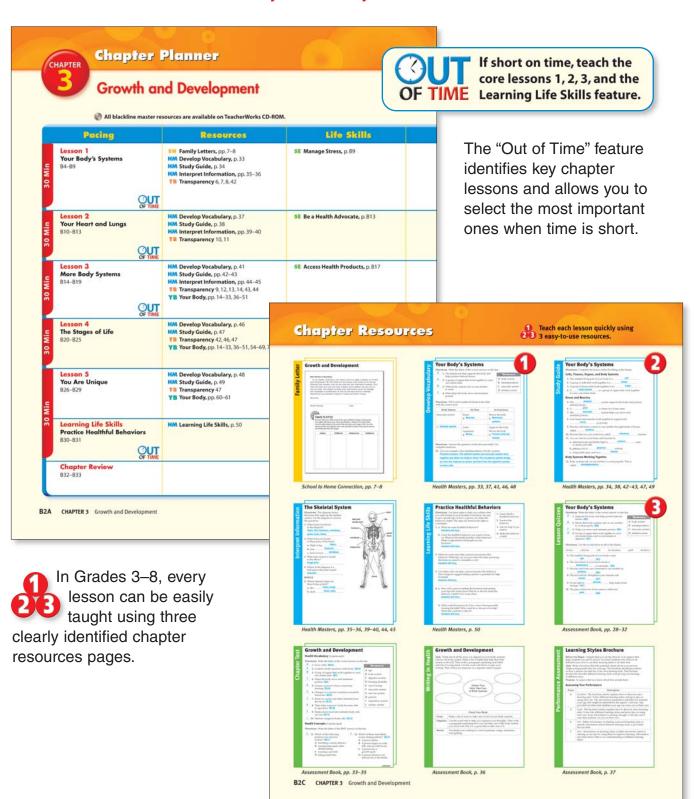
66 CHAPTER 3 Your Growing Body

National Health Education Standards

Comprehend health concepts. (1.1, 1.3)
 Practice health-enhancing behaviors and health risks. (3.1, 3.4)

Time Management for Every Classroom

Macmillan/McGraw-Hill Health & Wellness is designed with concise, focused lessons that can readily fit into any classroom schedule.



Promoting Health Literacy

Macmillan/McGraw-Hill Health & Wellness instills a lifelong passion for healthy habits. The program is focused on the four tenets of Health Literacy:

Effective Communication

Students express knowledge, beliefs, and ideas about themselves in different ways.

Self-Directed Learning

Students gather and use knowledge in their life.

Critical Thinking and Problem Solving

Students evaluate information from reliable sources before making decisions.

Responsible Citizenship

Students choose and practice behaviors that promote a healthy community, nation, and world.





Promotes Coordinated School Promotes Coord Health Program

Health Literacy supports the goals and objectives of the Coordinated School Health Program. This comprehensive approach to protecting and promoting the health and well-being of students through mutually supportive resources that includes families, youth, community agencies, health care workers, and school personnel.

Technology and Partnerships

Your Body Videos

address students' questions about their changing bodies, including the topics of puberty, self-respect, and genetics.



Sunburst Videos

help teachers to reinforce and extend health content. A Teacher's Guide includes discussion questions, activities, and reproducible handouts.



Health Songs and Workout Songs CDs

present original songs and workout tracks at Grades K-2. Workout tracks

at Grades 3-8 encourages physical activity.



The Bienestar Health Program

offers a school-based, multi-component intervention program to reduce risk factors for Type II diabetes.



Teacher Works,

an all-in-one planner and resource guide, contains the entire teacher's edition



Dinah Zike's Foldables™

provide hands-on, threedimensional graphic organizers designed to help students of all learning styles improve comprehension of health content.



Test Generator

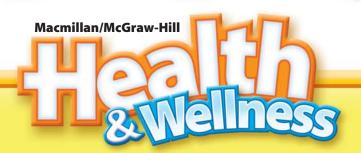
allows for customization of tests for lessons. chapters, and units.





Companion Website

www.mhschool.com offers free health resources for teachers, parents, and students correlated to program content at each grade level.



Components List

	Pre-K	K	1	2	3	4	5	6	7	8
Pupil Edition*					•	•	•	•	•	•
Teacher's Edition		•	•	•	•	•	•	•	•	•
Readers*			•	•						
Big Ideas Book*		•	•	•						
Life Skills Book*		•	•	•						
Health Masters including Assessment*		•	•	•						
Health Masters*					•	•	•	•	•	•
Assessment Book*					•	•	•	•	•	•
Your Body Book*						•	•	•		
Your Body Book Teacher's Guide						•	•	•		
Your Relationships*									•	•
Your Relationships Teacher's Guide									•	•
Transparency Book*		•	•	•	•	•	•	•	•	•
School to Home Connection*		•	•	•	•	•	•	•	•	•
Health Clipboard Activities			•	•	•	•	•	•	•	•
ELL Activity Guide		•	•	•	•	•	•	•	•	•
All About Boys (Your Body Video)						•	•	•		
All About Girls (Your Body Video)						•	•	•		
Test Generator					•	•	•	•	•	•
Health Songs CD		•	•	•						
Workout Songs CD					•	•	•	•	•	•
TeacherWorks		•	•	•	•	•	•	•	•	•
Student Edition and Readers on Audio CD*			•	•	•	•	•	•	•	•
Projectables*		•	•	•	•	•	•	•	•	•
Curriculum Guide		•	•	•	•	•	•	•	•	•
Puppets	•	•	•							
Posters	•	•	•	•	•	•	•	•	•	•
Bienestar Health Curriculum Teacher's Guide & Student Workbook*		•	•	•	•	•	•			
Bienestar Take Home Newsletter*		•	•	•	•	•	•			
Bienestar Physical Education Activities*		•	•	•	•	•	•			
Bienestar Cafeteria Program Teacher's Guide & Student Workbook*		•	•	•	•	•	•			

^{*} Also available in Spanish

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Customer Service: 1-800-442-9685

MIDWEST

Macmillan/McGraw-Hill 1333 Burr Ridge Parkway Burr Ridge, IL 60527 (800) 789-2665

Illinois Missouri Indiana Nebraska Iowa North Dakota Kansas South Dakota Michigan Wisconsin

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SOUTHWEST

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SOUTHEAST

Macmillan/McGraw-Hill 420 East Danieldale Road Desoto, TX 75115 (800) 453-2665

Alabama Florida Georgia Kentucky North Carolina South Carolina Tennessee Virginia West Virginia

INTERNATIONAL

McGraw-Hill International Sales and Services 148 Princeton-Hightstown Road, South 1 Hightstown, NJ 08520 (609) 426-5793 Fax: (609) 426-7917

DoDEA, Hawaii, & Pacific Schools The McGraw-Hill Companies 8787 Orion Place Columbus, OH 43240-4027 (856) 429-3191

Fax: (856) 429-8249

