

Reading Level: 6–7 Interest Level: 6–10

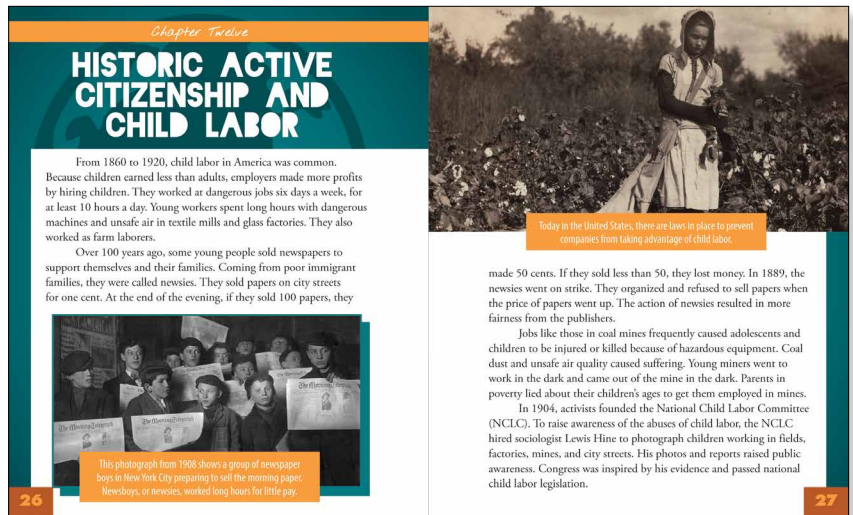
Spotlight On an Equitable World

The modern world is filled with people with diverse backgrounds, experiences, and qualities. Each individual person deserves the same basics of treatment and respect. The volumes in this set aim a critical lens on society and encourage readers to listen to marginalized voices and to recognize contemporary inequalities. Topics include empathizing with others, building connections in the community, embracing identity, and becoming an ally to those in need of support. Readers will come to learn that our differences can be positioned as strengths. These books embrace the concept of empowering, rigorous, and innovative learning.

- Crafted with special attention to the Learning for Justice, Social Justice Standards based on their Framework for Anti-bias Education and the NYSED Culturally Responsive-Sustaining Education Framework
- Includes social and emotional learning concepts, based on the Collaborative for Academic, Social, and Emotional Learning (CASEL) SEL framework
- Color photographs, primary sources, and helpful graphics make each book a complete learning experience

Library-bound Book	\$28.93
Paperback Book	\$11.55
eBook	\$28.93
Interactive eBook	\$99.95

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Reading Level: 6–7 Interest Level: 6–10
7" x 8 1/2" • Library • 32 pp. • Full-Color Photographs • Glossary • Index

Reading Level: **6** Interest Level: **7–12+**

The Right Career for Me

Teens often start thinking about career choices as they develop interests and skills in high school. Some teens have a clear idea of the profession they want to pursue, while others may need more guidance in choosing a career. The detailed guides in this set have excellent advice for both! Each book explores necessary job skills, education requirements, training programs, the future outlook of the career, and other crucial information. Informative sidebars focus on real-life issues and provide additional advice for teens.

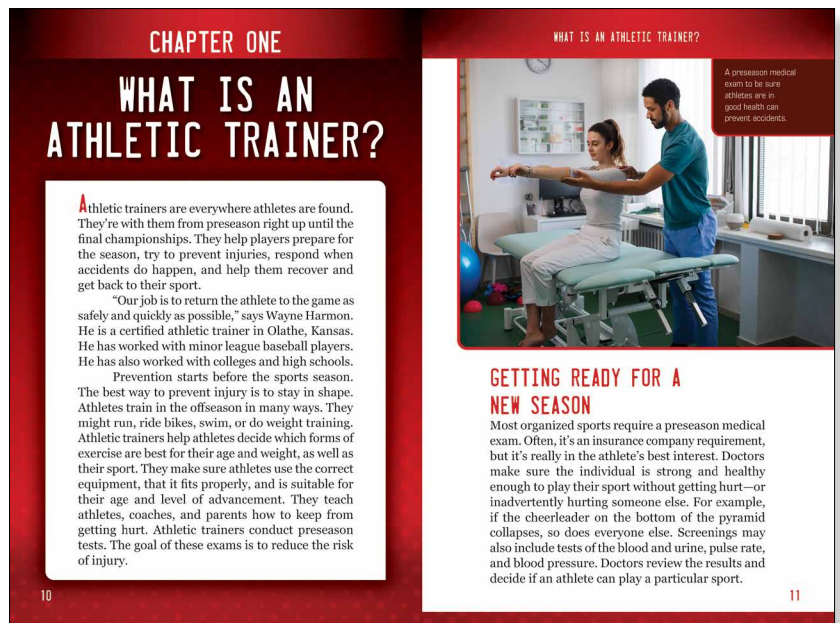
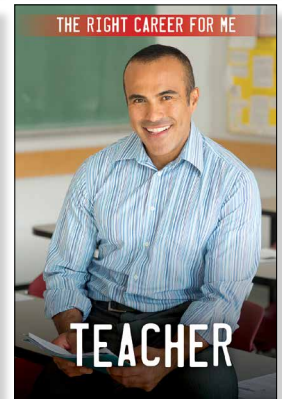
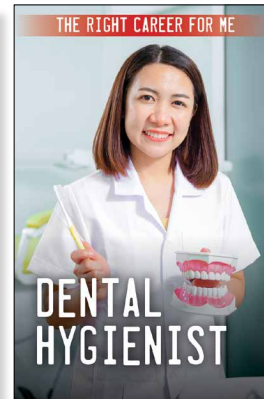
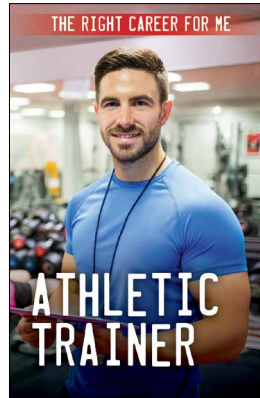
- Sidebars focus on famous individuals, as well as interviews with people in the highlighted career
- Texts offer a historical perspective of each profession and shows how they remained essential over the years
- Further information sections provide readers with valuable career resources

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Reading Level: **6** Interest Level: **7–12+**

6" x 9" • Library • 96 pp. • Full-Color Photographs • Further Information Section
Glossary • Index • Sidebars



Reading Level: **6** Interest Level: **7-12+**

The Right Career for Me

The books in this informative set provide in-depth examinations of familiar, high-demand jobs that teens are curious about. What kind of training and education will I need to become a carpenter? What salary can I expect to make as a physical therapist? Will I need to go to school to become a hairstylist? Young readers in search of career options will find the answers to these and many other questions. These books examine careers that are in high demand during times when the economy is doing well, and when it's not. Each guide explores necessary job skills, educational requirements, training programs, the future outlook of each career, and other crucial information. Informative sidebars focus on real-life issues and provide additional advice for teens.

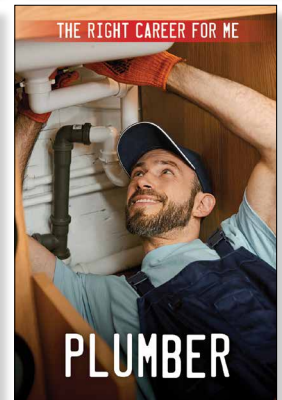
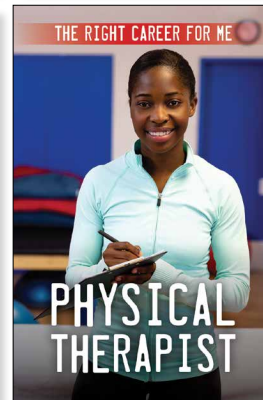
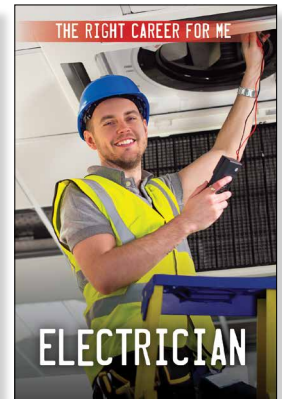
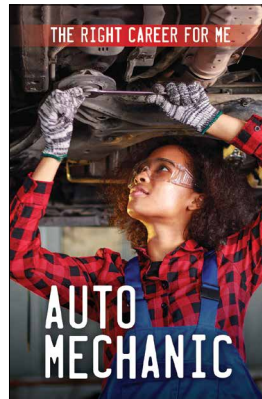
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Reading Level: **6** Interest Level: **7-12+**

6" x 9" • Library • 96 pp. • Full-Color Photographs • Further Information Section
Glossary • Index • Sidebars



INTRODUCTION

Americans are always on the move. We rely on planes, trains, and automobiles to get us from place to place, every day of the year. Whether it's Mom taking the car to work, kids taking the bus to school, or the whole family boarding a plane for a fun vacation, we expect to hop in a vehicle and have it take us where we need to go.

So what happens when the car won't start, the bus doesn't show up, or you hear your flight information echoing over the airport PA system? This is when people turn to some of the most essential workers in their community—professional mechanics.

People call the local garage when their car is "making a funny noise" or when they're stuck on the side of the road. A reliable mechanic who treats customers with integrity is a highly valued member of the community. In today's world of online reviews, a mechanic's professional reputation extends far beyond the neighborhood.

Although members of the general public don't often deal with them directly, they rely on specially trained mechanics to get those buses and planes moving again. Airlines and bus companies have teams of mechanics and technicians whose job is to help get travelers where they need to go safely and on time.

INTRODUCTION

Since the invention of cars, auto mechanics have fixed engines with hand tools. Even as new technologies emerge, there will be a demand for this type of skilled mechanic for a long time to come.

Karl Benz invented and patented the first car in 1886. U.S. communities began paving roads in the late 1800s. And ever since these key dates, a mechanic who could figure out which part of a vehicle was not working and then fix it properly was in high demand.

Reading Level: 5 Interest Level: 5-8

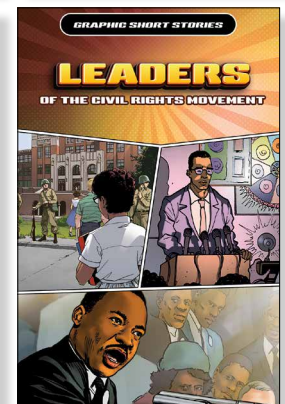
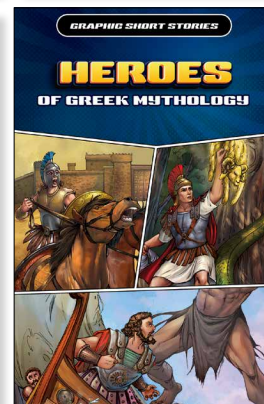
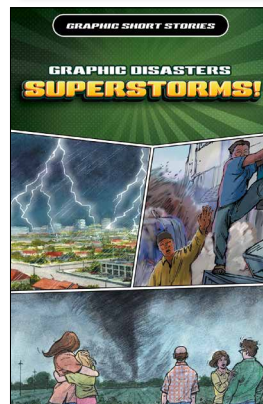
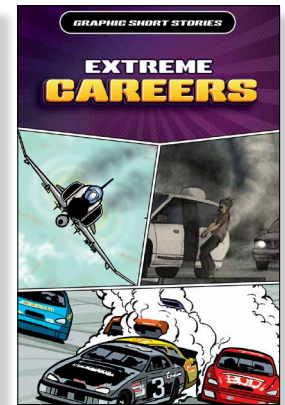
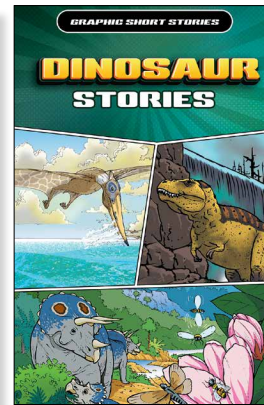
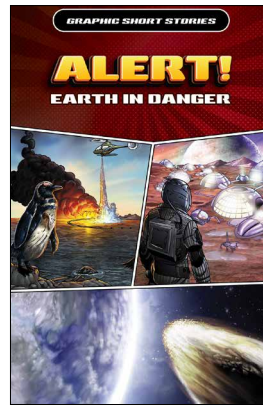
Graphic Short Stories

The exciting books in this set cover a range of topics, from influential historical figures to tales of extreme careers to the life stories of dinosaurs! The dazzling art styles are sure to draw in even the most reluctant readers, while the fascinating text is sure to interest more advanced readers. As they immerse themselves in the various fiction and nonfiction narratives, readers are encouraged to think deeply and critically about the world around them.

- Intriguing illustrations and exciting narratives encourage readers to piece stories together to understand and uncover common themes
- High-interest topics are sure to encourage kids to read

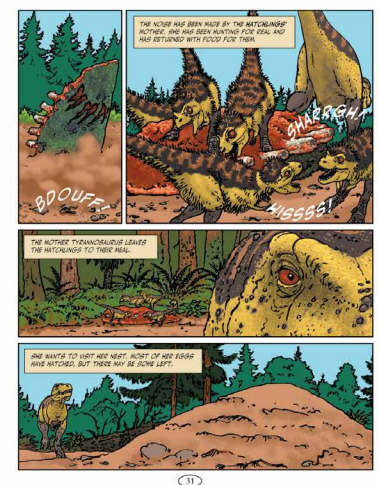
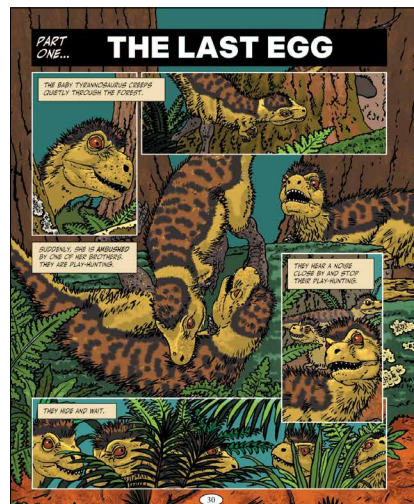
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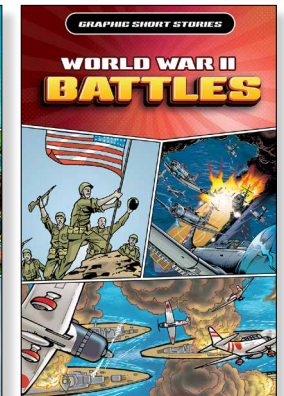
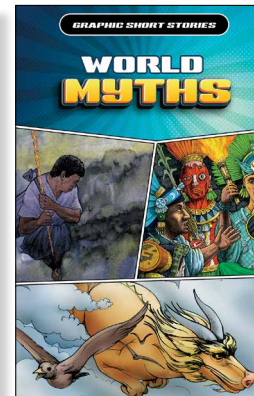
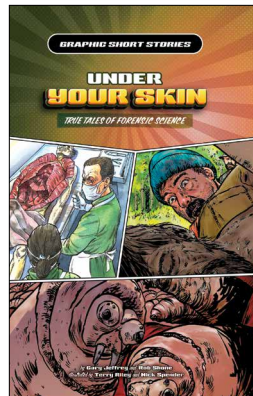
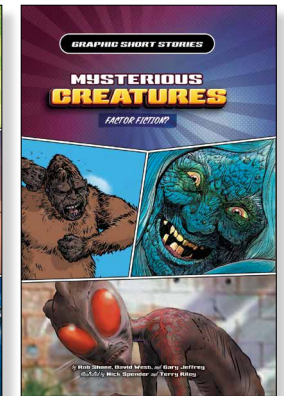
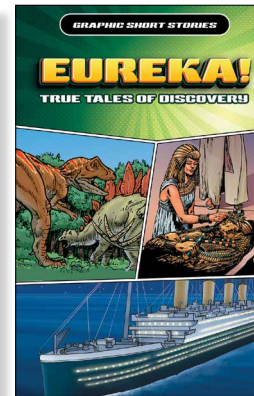
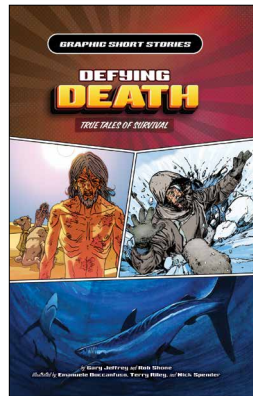
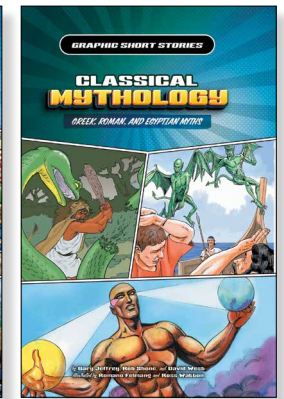
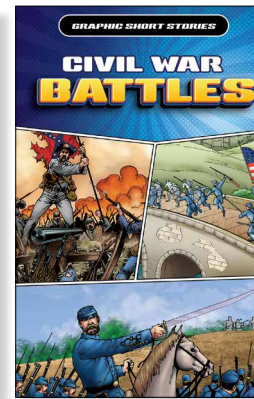
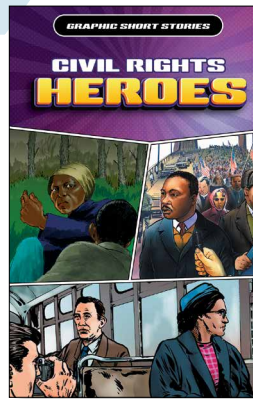
Graphic Short Stories

The books in this set present a diverse range of topics and art styles that are sure to draw in readers of all ages. The stories range from colorful American legends to Greek myths to harrowing tales of survival. The eye-catching illustrations are paired with a number of supplemental sections, including maps, biographies, back stories, facts and figures, and much more. This set extends readers' learning beyond the classroom and will have them thinking about each story long after they've finished turning the pages!

- Introductions provide background information, details about main characters, myth origins, maps, primary sources, and more
- High-interest topics are sure to encourage kids to read

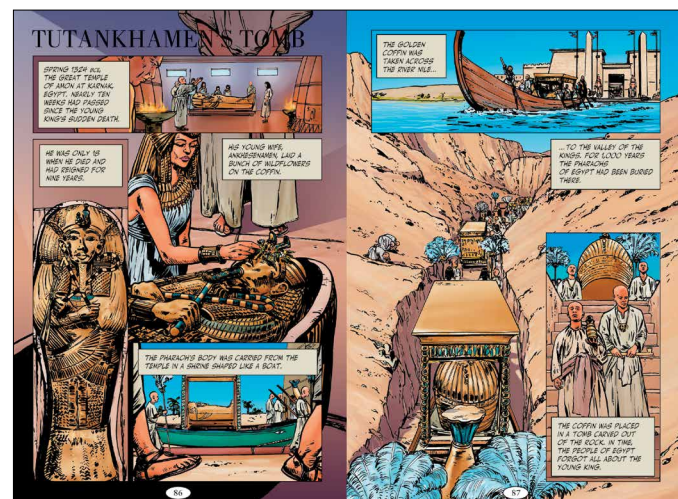
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Reading Level: 5 Interest Level: 5-8

6 1/2" x 10" • Library • 104-112 pp. • Further Information Section • Glossary Illustrations • Index



Reading Level: **3** Interest Level: **7-12+**

@RosenTeenTalk: Life Skills

Teenagers today face a wide range of stressful situations that often require a sensitive and knowledgeable mentor to guide them through. The comprehensive guides in this set were designed to appeal to teens who might struggle with reading but still need mature and age-appropriate advice to help them make important decisions in their lives. The manageable text offers solid advice on finances, food preparation, self-care, and more. Dynamic designs, photographs of teenagers, and accessible text help draw in reluctant readers and give teenagers a reliable source of support.

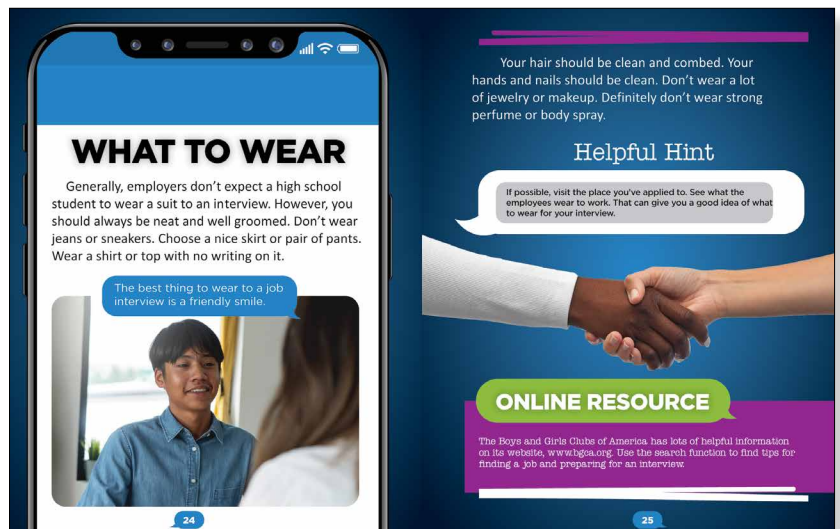
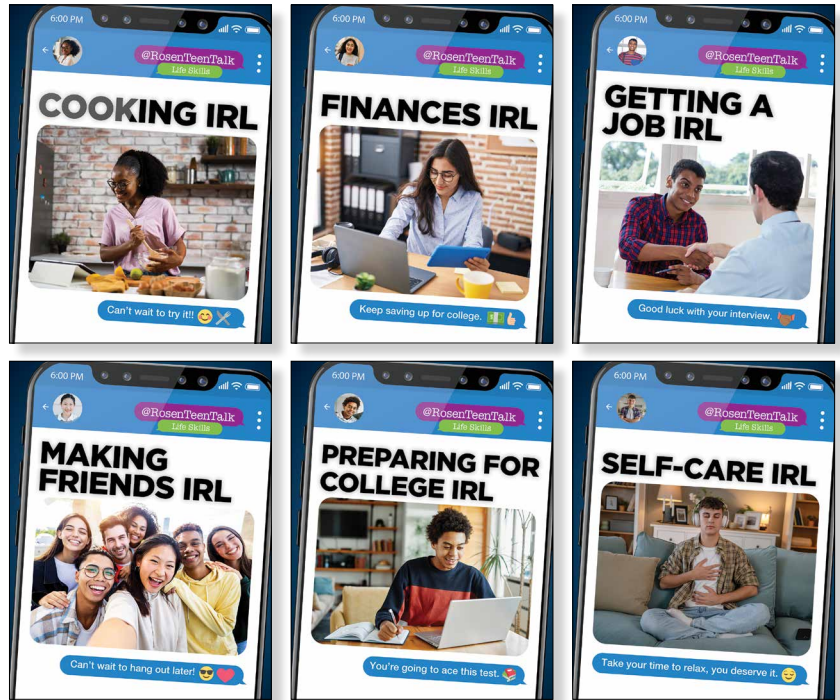
- High/low resources for struggling readers
- Authentic stories about teens struggling with modern issues help readers understand they are not alone
- Contains information on associations and online resources for teens who are looking for guidance but may be uncomfortable asking for it

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Reading Level: **3** Interest Level: **7-12+**

7 1/4" x 9 1/4" • Library • 48 pp. • Charts • Graphs • Tables • Fact Boxes
Full-Color Photographs • Further Information Section • Glossary • Index • Sidebars
Websites • High / Low Content



Reading Level: **3** Interest Level: **7-12+**

@RosenTeenTalk



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TYPES OF ADHD

Doctors have broken ADHD into three types because the symptoms can be different. Some people have predominantly, or mostly, inattentive presentation. Others have a mostly hyperactive-impulsive presentation. Some have both. This is called combined (or mixed) presentation.

MILD

MODERATE

SEVERE

Predominantly Inattentive Presentation

People are more likely to have trouble paying attention, following directions, and staying organized. They don't like tasks that need a lot of mental effort, and they lose things.

Predominantly Hyperactive-Impulsive Presentation

People have a hard time sitting still and keeping quiet. They might talk a lot and fidget, which means making small movements with the hands or feet.

Reading Level: **3** Interest Level: **7-12+**

7 1/4" x 9 1/4" • Library • 48 pp. • Charts • Graphs • Tables • Fact Boxes
Full-Color Photographs • Further Information Section • Glossary • Index
Sidebars • Websites • High / Low Content

Reading Level: 4-6 Interest Level: 4-8

A Short, Illustrated History of...

From the revolutionary strides in medicine to the cosmic odyssey of space exploration to the mind-expanding frontiers of scientific discoveries, each volume in this series provides a visually enchanting and intellectually stimulating journey through the annals of human achievement. Perfect for young minds eager to discover the wonders of our world and beyond, this series combines vivid illustrations with engaging narratives, offering a concise yet comprehensive look at the captivating stories that have shaped our history and future.

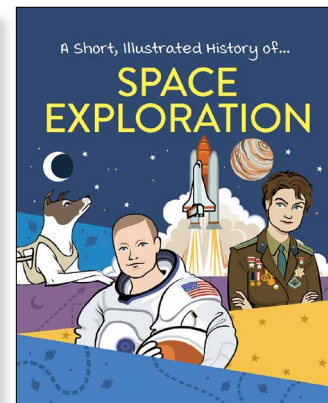
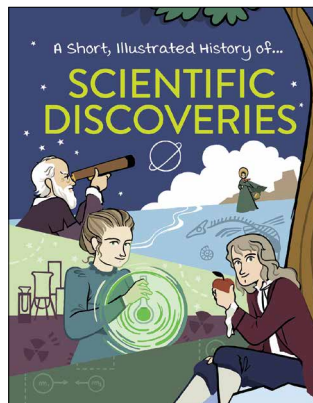
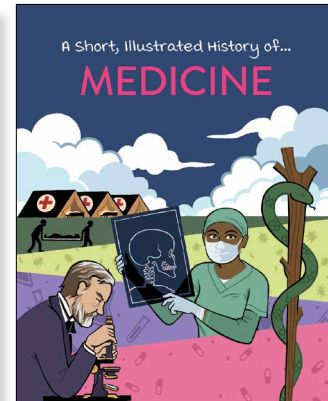
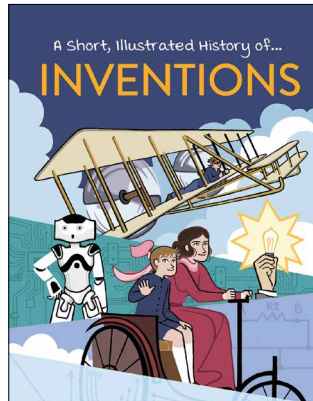
- Engaging fact boxes take a deeper look at various facets of each topic
- A glossary of new terms expands readers' vocabulary
- A list of relevant books, websites, and places to visit provides a jumping-off point for further independent research

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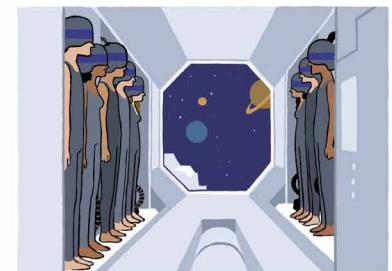
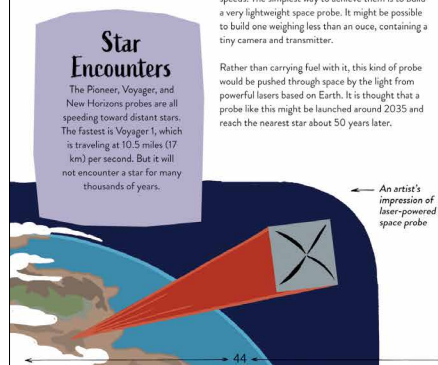
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Starships

To reach a star, a spacecraft needs no more fuel than to reach any other planet of our solar system; once it is well away from the gravitational pull of the sun, it will continue on until it is either destroyed or reaches a new world. But no space probe has yet visited a star, simply because stars are so far away. The nearest star (other than the sun) is a million times farther from us than Venus, the nearest planet.

Getting people to the planets of other stars will be much harder. One possible way is by using nuclear fusion (the same process that keeps the sun shining), but even then, the journeys would take decades. It might be that the crews could spend most of that time in specially designed pods in a state of hibernation, like bears or tortoises.



The possibilities of space exploration are endless. Many of the inventions we take for granted today were unimaginable a century ago, and many scientists used to believe that human space travel was impossible. Perhaps we will learn completely new ways of traveling through space, or perhaps we will meet travelers from other worlds and explore the universe with them. One day, you may become a space traveler yourself.

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This set covers essential scientific topics that are relevant to our daily lives. It features informational text that provides a thorough and approachable introduction to chemistry, metals and metalloids, nonmetals, organic chemistry, and the periodic table of elements. Each title also includes sidebars that offer more in-depth information about key terms and topics. These sidebars are among other visual elements, including diagrams and vivid images, that make the text and design of each spread dynamic and engaging. Each title in this set, with its curriculum-aligned content, is sure to inspire a lasting understanding and appreciation of these important scientific topics, including their contributions to humanity!

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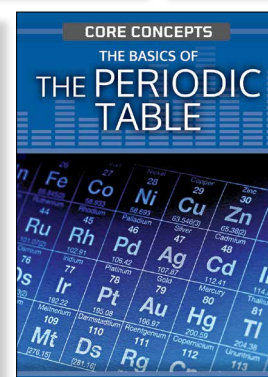
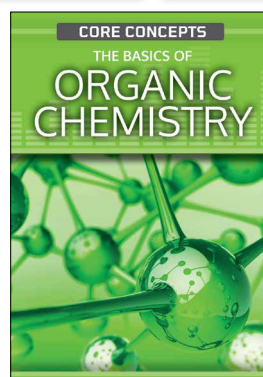
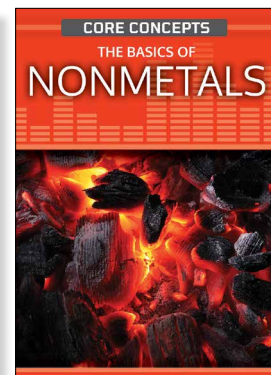
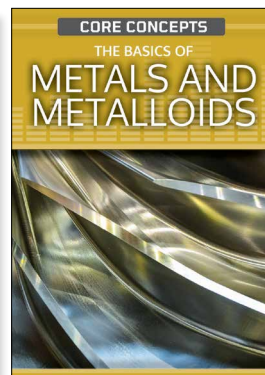
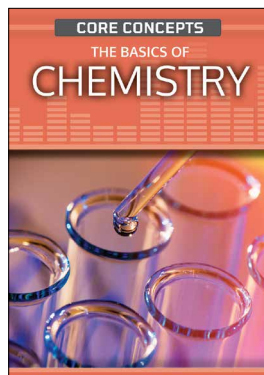
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THE BASICS OF CHEMISTRY

ANTISEPTICS
Most surgery is much safer now than it was in times past. One of the first advancements in making it safe was the prevention of infection. Until the second half of the 19th century, it was common for surgical wounds to develop sepsis, an infection.

In 1865, a Scottish doctor named Joseph Lister (1822–1910) suggested that sepsis was caused by living organisms. He used carbolic acid (C₆H₅OH), or phenol, to clean his instruments before performing surgery. Carbolic acid was the first antiseptic. Lister showed that this procedure could successfully prevent sepsis. His work was developed by other scientists to make many more antiseptics. With modern antiseptics, the risk of infection after surgery has been greatly reduced.

↑ Antiseptics are used to prevent wounds from becoming infected with bacteria.

ANESTHESIA
Another big advance in surgery was the development of anesthesia. An anesthetic agent blocks the perception of pain and other sensations. This allows surgery to

CHEMISTRY, MEDICINE, AND HEALTH

ANTIMICROBIAL CLEANERS
If you look at the label of many household cleaning products, you will see that the label indicates they are antimicrobial or antibacterial. Antimicrobial means the products contain chemical agents that kill microorganisms such as bacteria and fungi. These products are useful in the kitchen because they can kill the disease-causing organisms that could contaminate food. Scientists worry that overuse of these cleaners might allow bacteria to develop resistance to the chemicals. New chemicals would then be needed.

be performed with the patient not feeling any pain. The early anesthetics included opium, marijuana, khalidone, and alcohol. These dulled the sensation of pain but did not remove it.

In 1846, a dentist at Massachusetts General Hospital named Horace Wells anesthetized a patient before removing a tooth. The anesthetic he used was nitrous oxide, or "laughing gas" (N₂O), and it worked well. Two years later, William Morton,

another dentist at the same hospital, gave his patient diethyl ether (C₂H₅)₂O before operating. The patient reported that he had felt no pain.

Anesthetics fall into three major groups: local, regional, and general. Local anesthetics prevent the transmission of nerve impulses without causing unconsciousness. Some are based on carbonylic acids, which form salts called esters. Ester based anesthetics, such as procaine, amethocaine, and cocaine, act very

LOOKING FOR NEW DRUGS

Scientists are always searching for new treatments for diseases. Sometimes, these scientists work with "medicine men" who still use their traditional medicines. They hope to develop new drugs from the natural remedies. Other scientists take samples of plants in remote parts of the world, hoping to discover new cures.

→ A scientist collects specimens of the wild sunnita plant. His team hopes the plant contains the chemical ingredients that can be made into cures for certain types of cancer.




← A physician administers a mixture of air and isoflurane (C₂H₂ClCF₃) anesthetic. Some anesthetics are inhaled, as shown here, and some are injected intravenously (directly into the blood supply).

Reading Level: 6-7 Interest Level: 7-12+

Core Concepts (Second Edition)

The essential topics covered in this set are sure to amaze readers, particularly budding scientists. By delving deep into the topics of chemistry and the subatomic world, readers are given the opportunity to explore a wide variety of scientific information. The text is presented in different formats, including sidebars, diagrams, timelines, and other eye-catching features. The rigorous approach is meant to inspire readers to think critically about scientific topics and to get hands-on with experiments and activities. Color photographs, primary sources, charts, and other graphic features help readers make deep connections with the text.

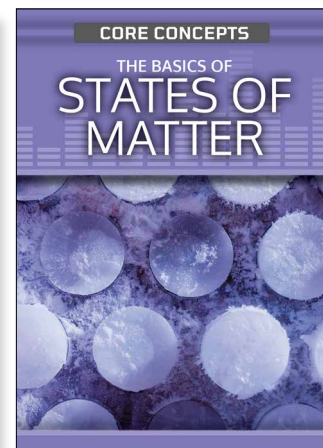
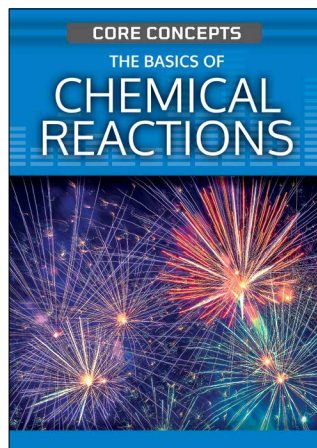
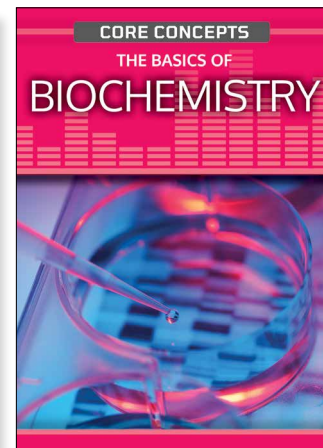
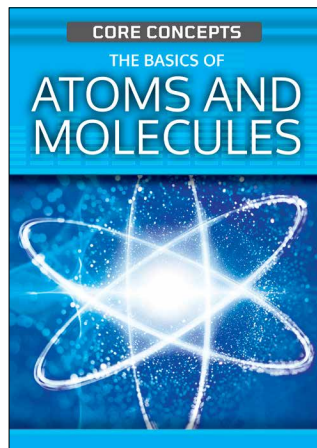
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CHAPTER 1 WHAT IS MATTER?

What Is Matter?

Matter is the material from which Earth and the universe are made. There are three main states of matter: solid, liquid, and gas. All matter is made from tiny particles called atoms. Chemistry studies the properties and behaviors of matter.

Everything in the universe is made from matter. Matter is anything that has mass and takes up space (that volume). Matter is made up of tiny building blocks called atoms. Chemistry is the science that investigates how atoms are organized to make the substances around us. Everything around us is made of matter. The pages of this book, the air you breathe, and even your body are made from the same building blocks. They do not make up just the things on Earth. Everything in the universe—the sun, billions of other stars, rocks, and dust—are made of the same building blocks.

What Are Atoms?
The building blocks of matter are called atoms. Atoms are so small you can't see with the naked eye. About 100 million atoms lined up in a single row would be just 1 cm long. Not all atoms are the same. There are about 100 different types of atoms. Atoms come in different sizes and masses and have many properties. Small groups of atoms that are bonded together are called molecules.

Elements are formed by the stars. As stars burn, they create new elements. When a star explodes as a supernova, these new elements are flung out into space. This picture is an artist's impression of a supernova exploding somewhere in the universe.

DENSITY
One of the main properties of matter is density. Density is a measure of how much matter a substance has packed inside it. Density is measured by comparing an object's mass with its volume. Certain molecules contain a lot of heavy, heavy atoms or have molecules packed closely together. This arrangement makes even small volumes of such materials very heavy.

Airships are filled with helium to make them lighter than air. In the past, hydrogen was used to fill balloons, but hydrogen is very flammable. Its use led to a number of airships being destroyed by fire. Killing the passengers. Although helium is heavier than hydrogen, it is non-flammable and therefore safer.

Atoms group together to make the objects and other materials around us. Matter that contains just one type of atom is called an element. For example, a gold nugget contains only gold atoms. Other elements include carbon, iron, aluminum, sulfur, and oxygen.

Compounds and Molecules
Elements are unique materials because they cannot be broken up into simpler ingredients. However, not everything in the universe is made of pure elements. Most things contain combinations of the atoms of several different elements. Various combinations of different types of atoms are called compounds. When the atoms group together, they make a structure called a molecule. A molecule has a unique shape and size. This gives a material certain properties, such as making it hard or brittle.

Compounds frequently have properties that are different than those of the elements included in the molecule. For example, an element, sodium is a soft metal that reacts violently with water. Chlorine is a highly reactive gas. When combined to be

CHAPTER 2 CHANGING THE BASIC STATES OF MATTER

Changing the Basic States of Matter

The basic states of matter are solids, liquids, and gases. Matter can be made to change state. A change of state is a physical change; involves a change in heat, and is reversible. Changes are made by adding or removing energy.

KEY TERMS
Endothermic: A chemical reaction in which heat is absorbed and the surrounding temperature falls.
Exothermic: A chemical reaction in which heat is released and the surrounding temperature goes up.
Heat of fusion: The amount of energy needed to turn a solid into a liquid.
Heat of vaporization: The amount of energy needed to turn a liquid into a gas.
Phase change: A change from one state to another.

Phase Changes
When a substance undergoes a phase change from solid to liquid or liquid to gas, the particles must overcome the intermolecular forces—the forces between molecules—in the original state. The particles need to overcome the intermolecular forces to become free to move.

When a substance undergoes a phase change from gas to liquid or liquid to solid, energy is also important. However, the particles must lose kinetic energy. The particles move more closely as the phase changes. Because energy is given up, this is called an exothermic process. Changing a substance from a liquid to a gas requires more energy than changing the same substance from a solid to a liquid. Gases have the highest energy of the three states of matter. The substance must gain enough kinetic energy for the particles to completely overcome the intermolecular forces. Substances that have stronger

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When an object melts, it is undergoing a change of state from solid to liquid. Heat from the atmosphere breaks the intermolecular bonds that hold the molecules tightly together as a frozen solid. Intermolecular forces have higher boiling points because more energy is required for the particles to become a gas. The amount of energy that is needed to change a solid to a liquid is called the heat of fusion. The amount of energy required to change a liquid to a gas is called the heat of vaporization.

Reading Level: **6–8** Interest Level: **6–12+**

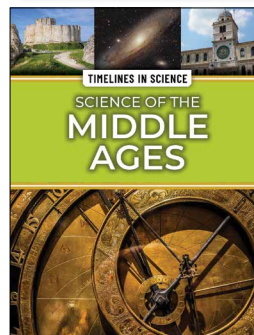
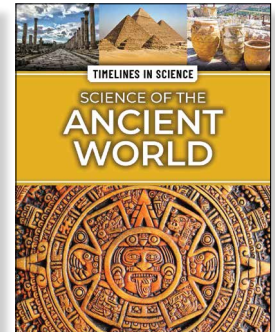
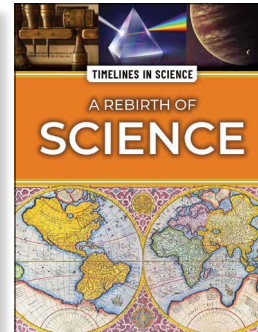
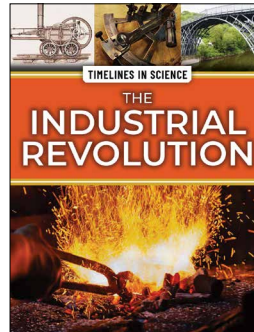
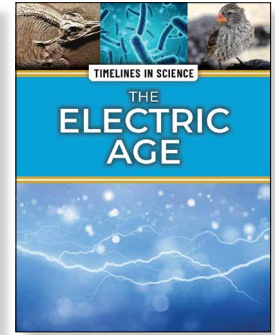
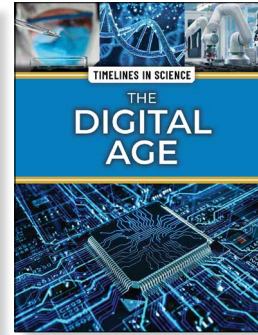
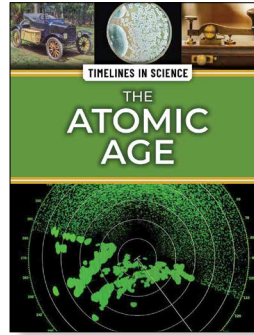
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- Illustrations and diagrams are used to show scientific processes and inventions
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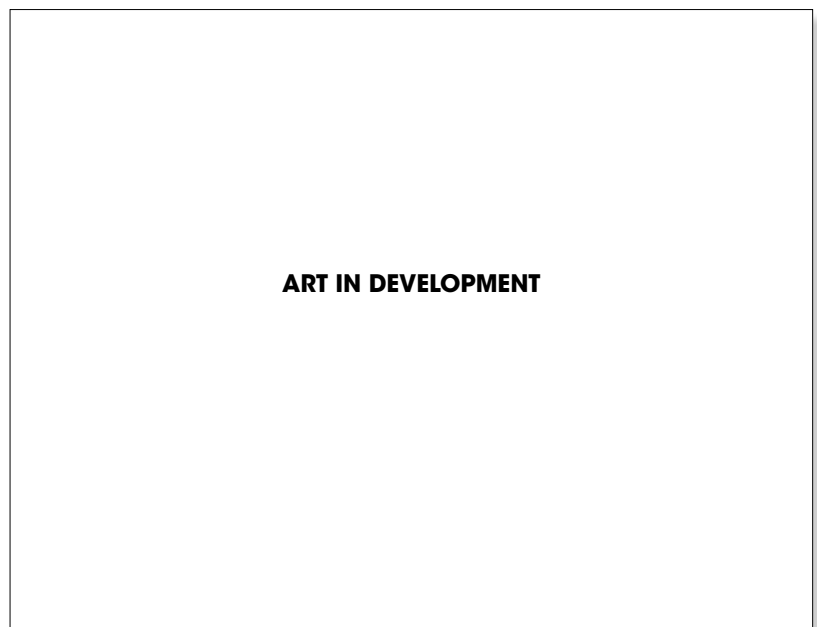
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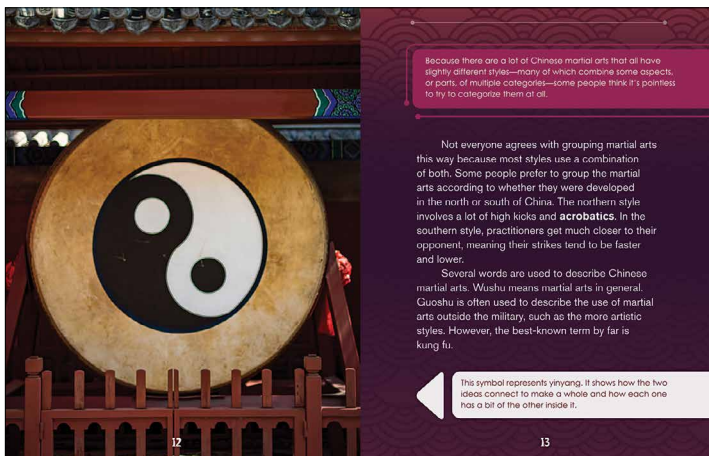
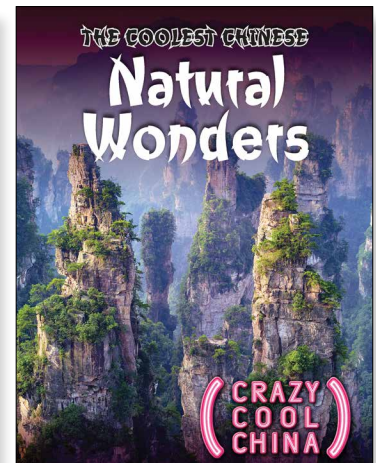
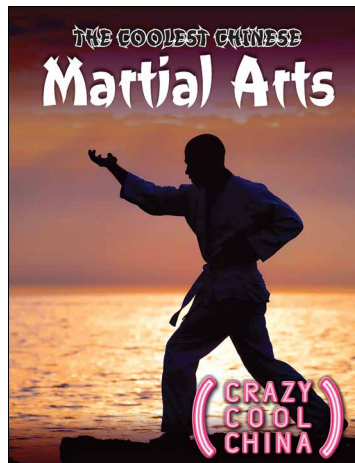
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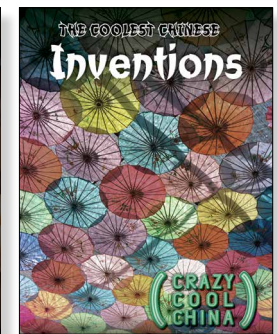
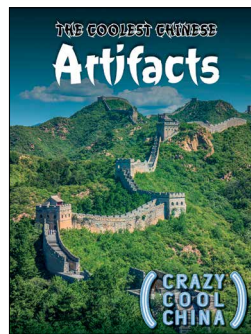
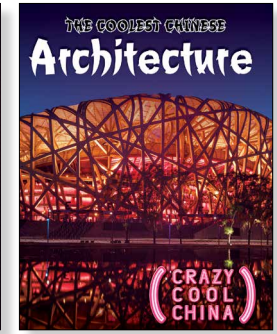
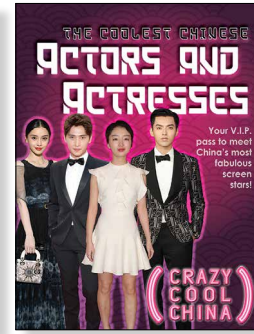
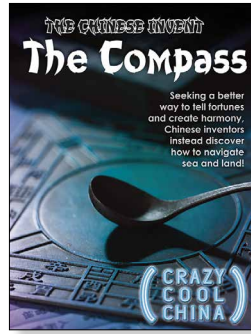
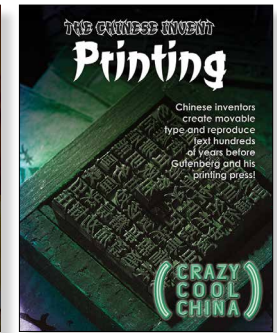
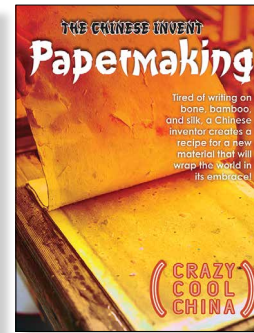
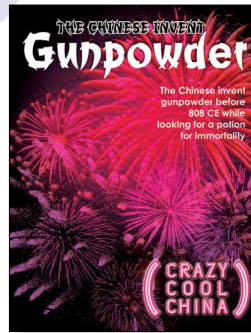
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"These books take items and processes ubiquitous in today's world and trace their earliest iterations back to ancient China. An excellent series for world history classes, as well as a resource for collaboration between science and social studies units." —School Library Journal, Series Made Simple

Centuries of Incredible Architecture

The attributes of ancient Chinese architecture are recognizable around the world. Towering tiered **pagodas**. Temples with roofs curving up to the corners. Deliberate use of colors, such as yellow for royalty and red for good fortune. These are just some of the visually striking architectural details that are plainly and uniquely Chinese. Hundreds of years of traditional construction brought change, but builders still adhered to some basic features, including symmetrical arrangements;

wooden materials; wide, low buildings; a balance between natural and man-made surroundings; and an accordance with feng shui guidelines.

While modern Chinese architects still consider and implement some of these characteristics in their designs, particularly in rural areas, the nation's rapid urban development in the twentieth and twenty-first centuries has demanded innovative ideas. Internationally known architects have been invited to participate in the country's landmark construction projects as well. The result is some of the most admired, surprising, and jaw-dropping structures in the world.

Feng shui, which translates as "wind/water" in Chinese, is an ancient practice of arranging buildings, objects, and space to achieve balance and harmony. The Chinese have been designing their homes, towns, and burial places using feng shui principles for over 4,000 years. Simple examples include having a view of water or a south-facing door. A prominent modern structure that utilizes feng shui principles is the HSBC Building of Hong Kong.

Because so many ancient Chinese buildings were made of wood, like this pagoda, few have survived. However, models have been found in tombs.