



WINDMILL
BOOKS



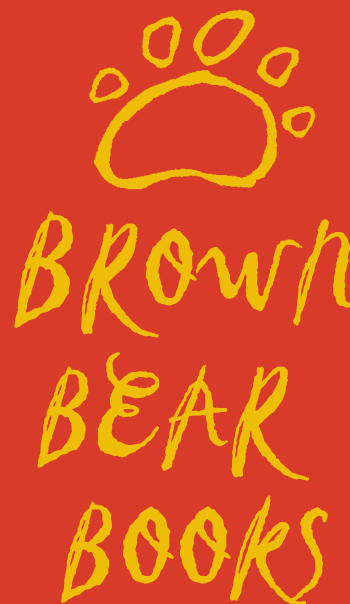
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WINDMILL
BOOKS

Catalogue

BOLOGNA
2024



Welcome to our Bologna 2024 Catalogue.

We are pleased to present our latest catalogue, with a mix of brand new and recent projects—and a preview of two forthcoming series. You will find books to inform and inspire readers of all ages, looking at how computers works, financial literacy for young children, how people live in different parts of the world, and a comprehensive history of science, from ancient times right up to the present day.

New projects include additions to two successful series: *Fast Track* and *Science Starters*. *How People Live* shows how people adapt to live in different physical environments. *Science Starters Computers* gives readers the low down on the science and technology behind smartphones, robots, and AI. Meanwhile *Moneywise* looks at the increasingly important topic of financial literacy for children, while *Be the Change!* shows how young people around the world are standing up for what they believe in and making change.

Our extensive and successful backlist offers readers of all ages information combining accurate and accessible text with exciting photographs and beautiful and clearly drawn illustrations. We are happy to send out a list of backlist titles on request.

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HEALTH MATTERS

Our bodies are amazing. These engaging books show how we can keep our bodies and minds safe and healthy. With a focus on the positive, the books look at how our bodies work and provide simple tips to help readers stay happy and healthy.



Specifications:

Grades K-2, Ages 6-9

203 x 203 mm (8 x 8 in)

24 pp., 1800 words, 20-25 photos and diagrams

No. of volumes: 6

Key selling points:

- Clear, straightforward text explains concepts in an accessible way.
- Infographics add extra factual content.
- Short quizzes reinforce learning.

Volumes:

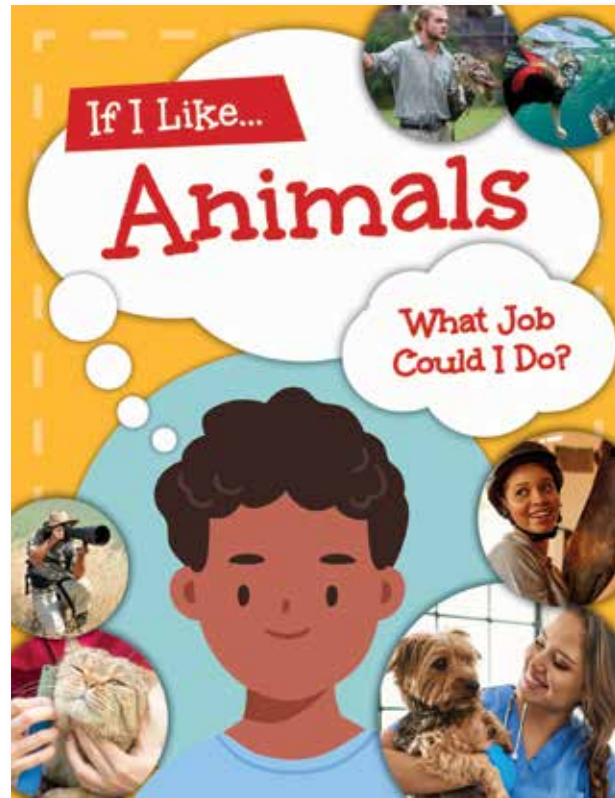
- Healthy Eating
- Healthy Mind
- It's My Body
- Keeping Clean and Healthy
- Staying Active
- Staying Safe



COMING SOON

IF I LIKE

The best jobs are those that make us happy. This exciting series gets young children thinking about what might be their dream career. Starting from their passions and enthusiasms, the books explain what each job involves, and how to get there. Whether you want to be astrophysicist or a vet, these books are full of tips and inspiration.



Key selling points:

- Infographics and fact boxes present interesting asides.
- The books include jobs that require academic qualifications as well as vocational careers.
- Each book ends a quiz, glossary, and ideas for finding further information.

Volumes:

- Animals
- Art and Design
- Computers and Video Games
- Helping People
- Making and Building
- Sports and Games

Specifications:

Grades 2–5, Ages 7–10

229 x 178 mm (7 x 9 in)

24 pp., 1500 words, 20–25 photos, maps and artworks

No. of volumes: 6





MONEYWISE

Moneywise introduces young readers to the concept of money and how it affects our everyday lives. With engaging illustrations and simple text, the books look at the basics of how money works and how we use it. Readers will learn how to distinguish between needs and wants, as well as how to manage their money and make sound financial decisions.



Specifications:

Grades K–3, Ages 5–8

203 x 203 mm (8 x 8 in)

24 pp., 1400 words, 20–25 photos and diagrams

No. of volumes: 6

Key selling points:

- Clear, straightforward text explains money-related concepts.
- Attractive, attention-grabbing visuals.
- The need for increased financial literacy for children is widely acknowledged.

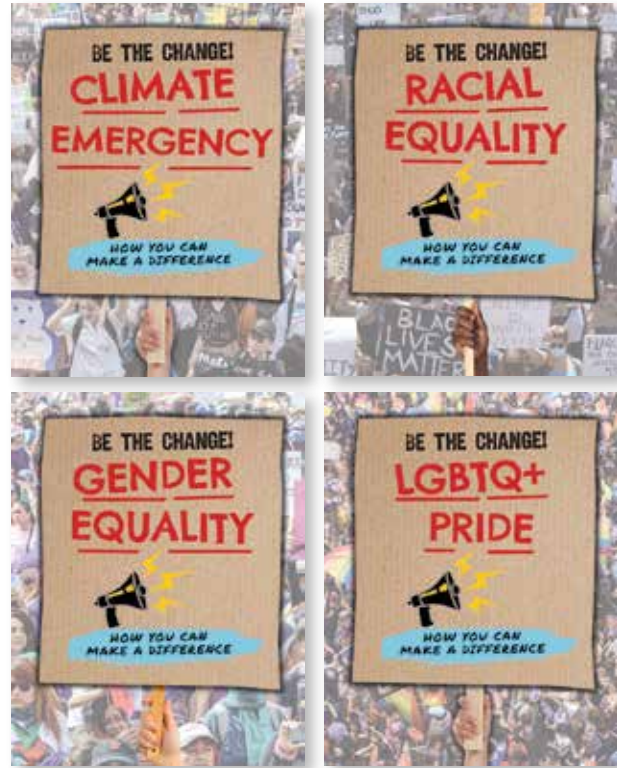
Volumes:

- Borrowing Money
- Earning and Spending
- Keeping Money Safe
- Managing Money
- Smart Spending
- What is Money?



BE THE CHANGE!

All around the world, young people are working together to bring about change. This series shows how individual actions can have an impact at local and international levels. Stories of successful campaigns and activists, along with tips and advice, will inspire readers to turn their passions into actions. Get ready to change the world!



Specifications:

Grades 6–8, Ages 11–13

229 x 178 mm (7 x 9 in)

32 pp., 3500 words, 30–35 photos, maps and artworks

No. of volumes: 6

Key selling points:

- Sensitive and informative accounts of key topics.
- Speak Up! boxes tell the stories of young activists and their achievements.
- Each book ends with an Activist Toolkit, to help readers start their own successful campaigns.

Volumes:

- Animal Rights
- Climate Emergency
- Gender Equality
- LGBTQ+ Pride
- Racial Equality
- Rights for Migrants and Refugees



Chapter 5

Your Activist Toolkit

The world's animals need your help! There are many ways to get involved in the fight for animal justice. Join the millions of young people already working to force positive changes.

You can begin by finding out what animal rights groups, such as a Roots & Shoots chapter, exist in your community. If there is nothing nearby, you can join a group online, but make sure your parent or guardian approves. Also, consider starting your own group with your friends and people at school.

Setting Goals

Animal rights activists fight for rights in different areas. Some focus on animal cruelty in entertainment or factory farming. Others are trying to stop animal trafficking. Think about the issue that you care about the most and focus on that.

Do you want to campaign on general issues or focus on a particular subject? Either way, you'll need information about how to organize a protest.



The internet is a powerful tool for activists. Use it to research information, find out about campaigns, and to contact other activists.

Educate Yourself

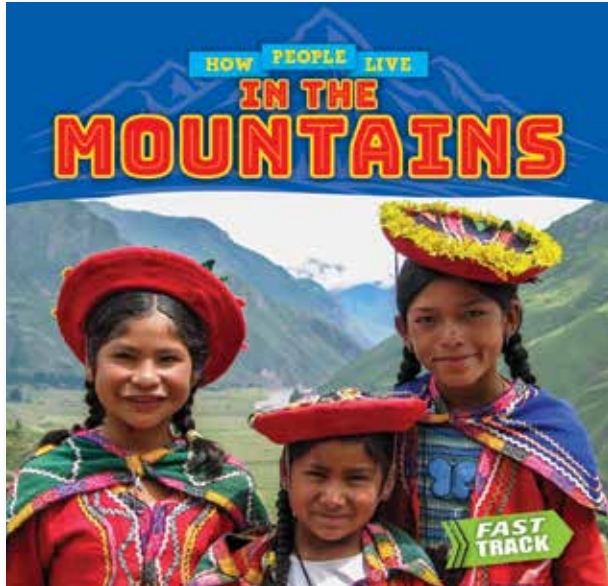
To be an effective animal rights activist, you need to know the facts. Sign up for newsletters from established organizations, such as PETA. Enroll in free online courses for young people on animal rights issues and activism and read as much as you can. Do your research about laws and policies, including local ones.

Gather Resources

What resources do you have and what do you need? People can be a great resource. They can provide information, introduce you to others who can help, and help with ideas. Maybe you know someone who works at your local animal shelter, for example. Also, think about how much time you have and what talents you can offer. Maybe you are a good organizer or perhaps you can teach people how to make vegan food.

HOW PEOPLE LIVE (A FAST TRACK SERIES)

People live in all kinds of places, from bustling cities to remote mountains. This fascinating series takes readers on a journey around the world. By focusing on everyday activities, it shows how people's lives can be very different, but also very similar, to our own.



Key selling points:

- Levelled text, perfectly pitched for the age group.
- Features kid-friendly concepts and activities.
- Bright colourful design and attractive photos.

Volumes:

- By the Coast
- In Cities
- In Deserts
- In Forests
- In the Mountains
- In the Tundra

Specifications:

Grades K-2, Ages 5-7

203 x 203 mm (8 x 8 in)

24 pp., 600-650 words, 20-25 photos and diagrams

No. of volumes: 6





SCIENCE STARTERS (COMPUTERS)

Computers are everywhere: at school, in our homes, and in factories and offices. Many people have a mini-computer in their pocket! This engaging series looks at computers and their uses, with an emphasis on the STEM principles that underpin how they work.



Specifications:

Grades 2–5, Ages 6–9

203 x 203 mm (8 x 8 in)

24 pp., 1200 words, 30–35 photos and diagrams

No. of volumes: 6

Key selling points:

- STEM ideas are clearly explained.
- Photos and diagrams support the information.
- Each book ends with a quiz to test knowledge.

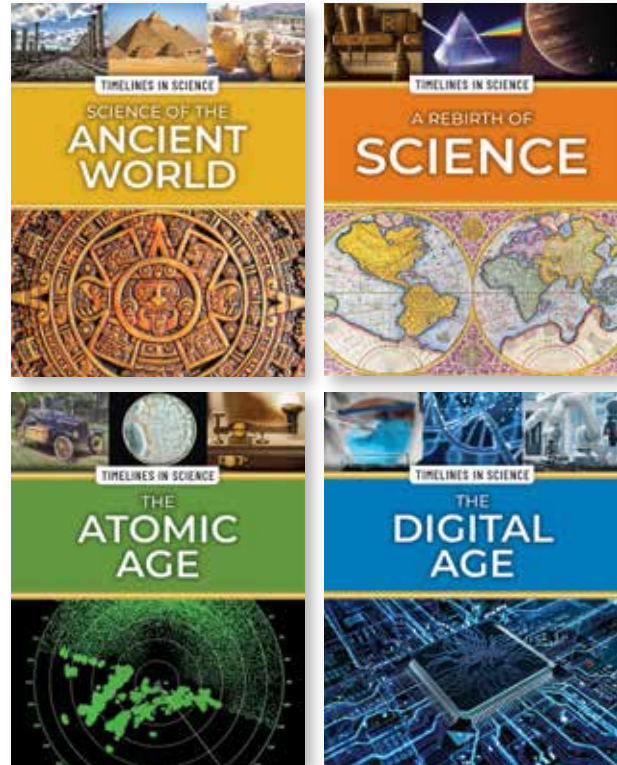
Volumes:

- Artificial Intelligence
- Coding and Programming
- How Computers Work
- The Internet
- Robotics
- Smartphones



TIMELINES IN SCIENCE

This fascinating series guides readers through the history of science, from the ancient world to current developments, mapping key scientific discoveries and introducing some of the scientists and inventors who made them. Taken as a whole, the series provides a comprehensive history of science, from the discovery of fire to artificial intelligence.



Specifications:

Grades 6–8, Ages 11–14

229 x 178 mm (7 x 9 in)

64 pp., 20,000 words, 60 photos, diagrams and artworks

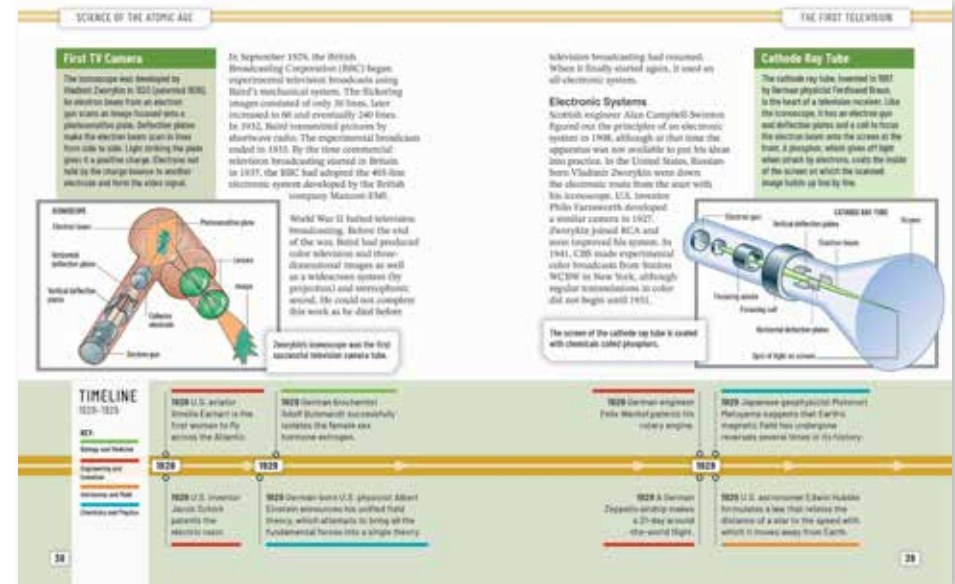
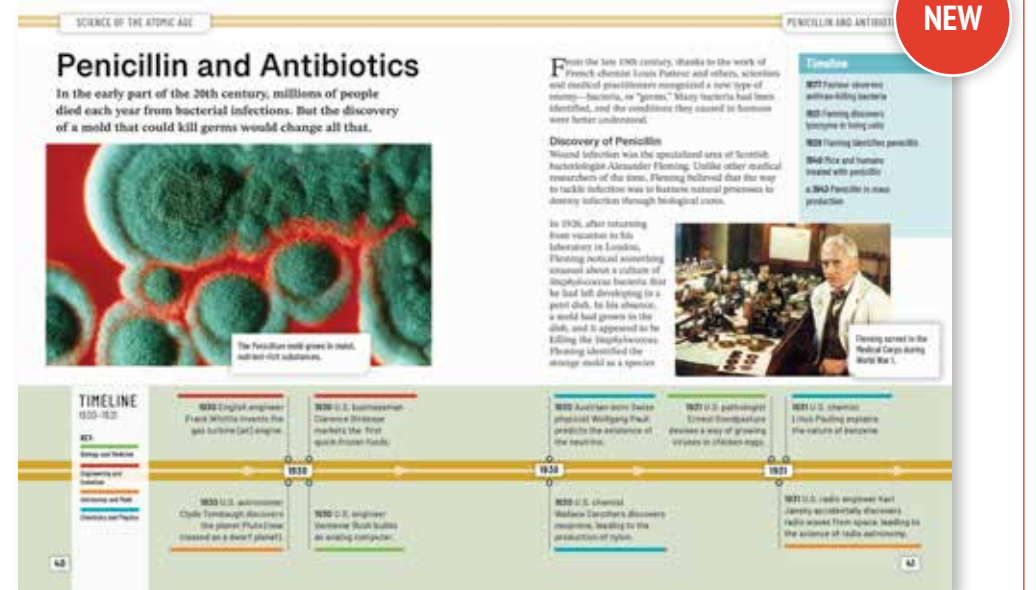
No. of volumes: 7

Key selling points:

- Colour-coded timelines show the chronology of discoveries.
- Fact boxes and sidebars enhance the learning.
- Clearly written text is supplemented with and artworks and carefully chosen photographs.

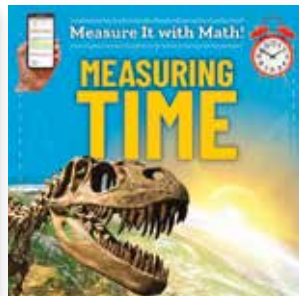
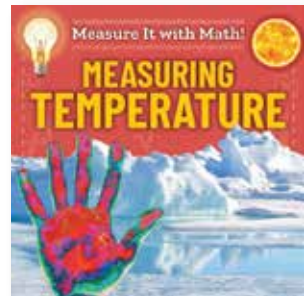
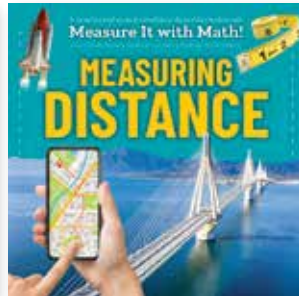
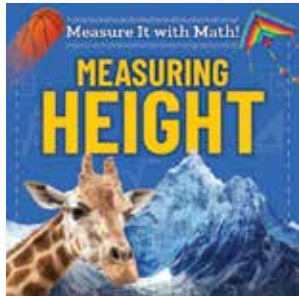
Volumes:

- Science of the Ancient World
- Science of the Middle Ages
- A Rebirth of Science
- The Industrial Revolution
- The Electric Age
- The Atomic Age
- The Digital Age



MEASURE IT WITH MATH!

Measurements play an important part in everyday life, from checking how cold it is outside to weighing out ingredients to bake a cake. This bright and colourful series looks at different kinds of measurement and the math behind them. A practical project at the end of each book helps readers practice what they have learned.



Specifications:

Grades 2–5, Ages 6–9

203 x 203 mm (8 x 8 in)

32 pp., 3250 words, 30–35 photos and diagrams

No. of volumes: 8

Key selling points:

- Real-world examples and amazing facts.
- Accessible text and clear diagrams.
- Books include imperial and metric measurements.

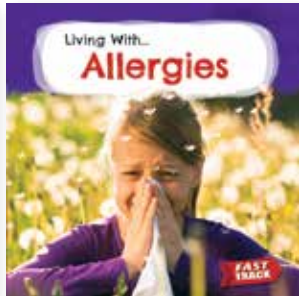
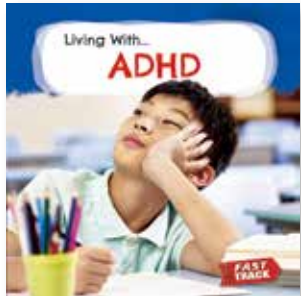
Volumes:

- Measuring Area
- Measuring Distance
- Measuring Height
- Measuring Speed
- Measuring Temperature
- Measuring Time
- Measuring Volume
- Measuring Weight



LIVING WITH (A FAST TRACK SERIES)

Many people live with long-term health conditions. Knowing the facts can make the journey easier. Whether readers live with the condition themselves, or know someone who does, this series is packed with information to help them live life to the fullest.



Key selling points:

- Clear, accurate text.
- Books have a positive and reassuring approach.
- Carefully selected photos and graphics enhance the information.

Volumes:

- ADHD
- Allergies
- Anxiety and Depression
- Asthma
- Diabetes
- Obesity

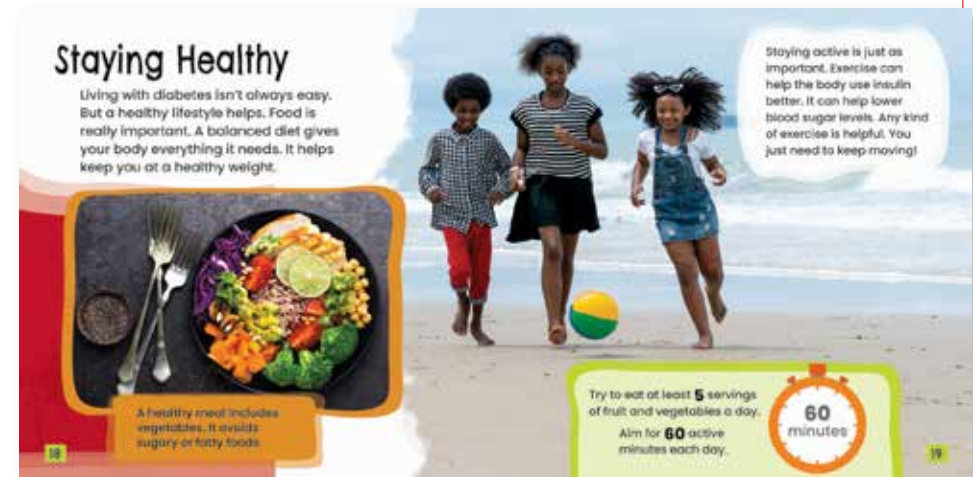
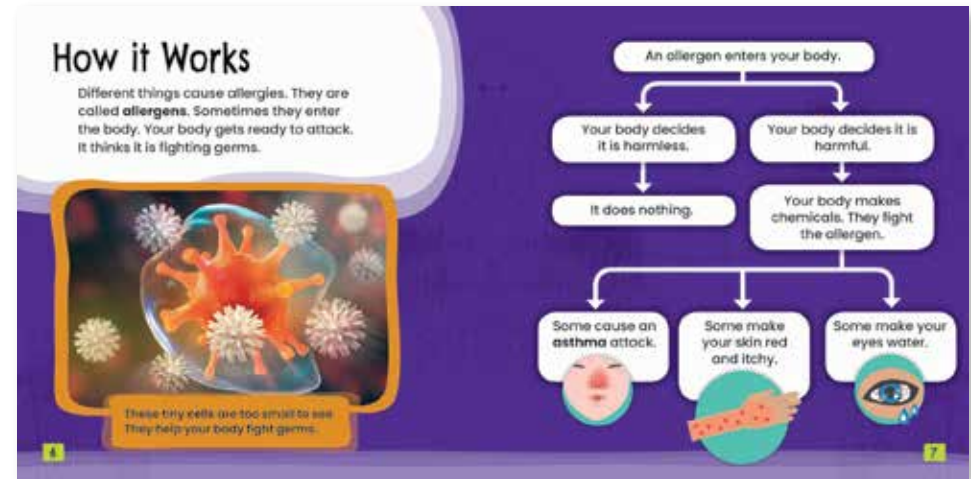
Specifications:

Grades K-2, Ages 5-7

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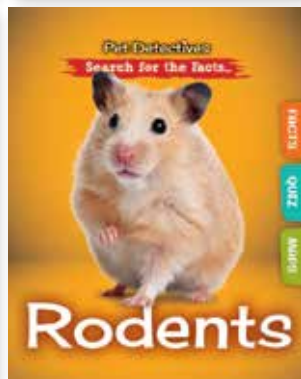
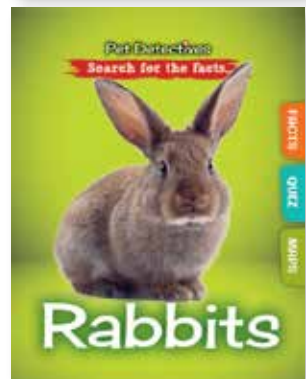
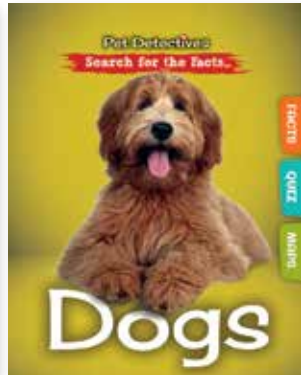
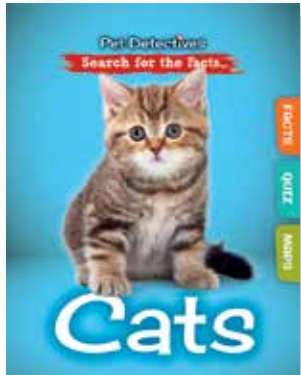
24 pp., 600-650 words, 20-25 photos and diagrams

No. of volumes: 6



PET DETECTIVES (A DETECTIVES SERIES)

The latest addition to our successful *Detectives* brand, this series lets readers uncover facts about pets. Choose the pet that fits into your family, and learn how to keep your pet happy and healthy. Profile spreads focus on family-friendly breeds and species. Fantastic facts and the lively design make this the perfect series for pet owners and animal lovers.



Specifications:

Grades 2–4, Ages 6–9

229 x 178 mm (7 x 9 in)

24 pp., 700 words, 20–25 photos, maps and artworks

No. of volumes: 6

Key selling points:

- Guides help readers identify their perfect pet.
- Factfiles, Wow! boxes, and maps present information in different ways.
- Breed profiles focus on well-known and less familiar examples.

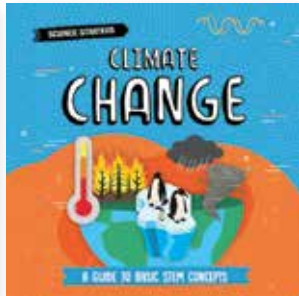
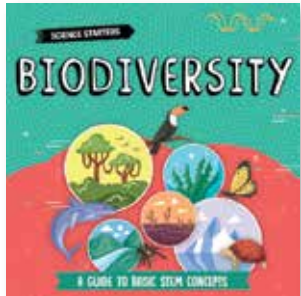
Volumes:

- Cats
- Dogs
- Fish
- Rabbits
- Reptiles
- Rodents



SCIENCE STARTERS (ENVIRONMENT)

Our planet is an amazing place, but human activities are putting it at risk. These colourful books introduce readers to six key environmental topics. With a focus on STEM concepts and positive actions that people can take, this series gives readers the information they need to become environmentally aware citizens.



Key selling points:

- Presents key facts about the environment.
- Accessible text, perfectly judged for the age group.
- Straightforward diagrams explain STEM concepts.



Volumes:

- Biodiversity
- Climate Change
- Energy
- Natural Resources
- Pollution
- Waste

Specifications:

Grades 2–5, Ages 6–9

203 x 203 mm (8 x 8 in)

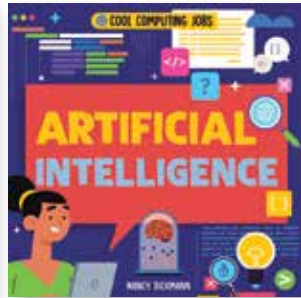
24 pp., 1200 words, 30–35 photos and diagrams

No. of volumes: 6



COOL COMPUTING JOBS

Computers and digital technology affect almost every aspect of our lives. This series looks at the people that make all this possible, from app designers to programmers. Readers will find out how the concepts and skills they study at school can one day lead to exciting careers in the world of digital technology.



Specifications:

Grades 1–4, Ages 6–9

203 x 203 mm (8 x 8 in)

32 pp., 1800 words, 25–30 photos and diagrams

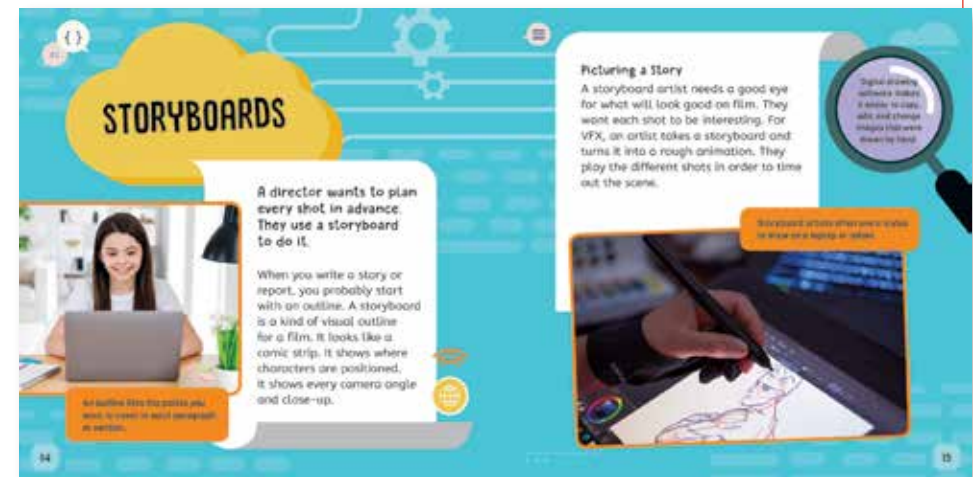
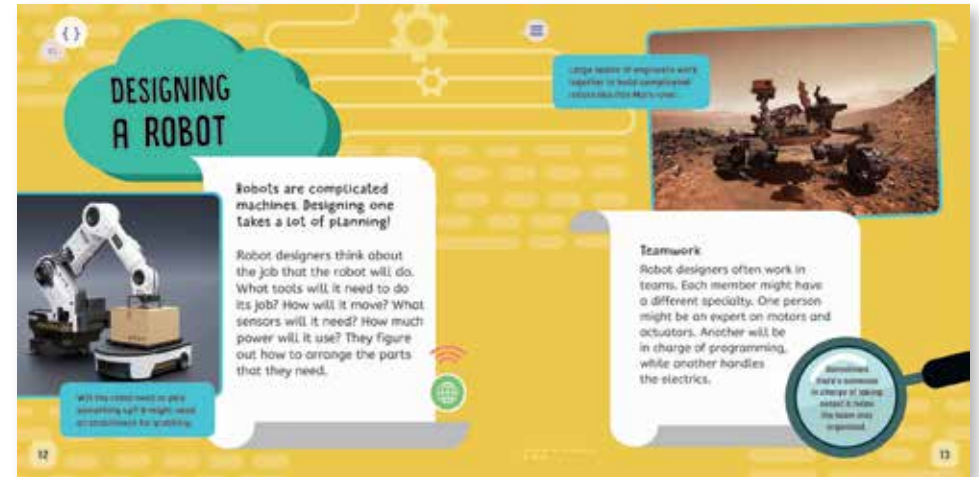
No. of volumes: 6

Key selling points:

- Encourages readers to consider different aspects of computer technology.
- Fact boxes add extra information.
- A quiz helps readers choose their ideal tech career.

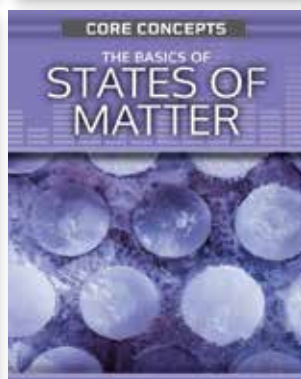
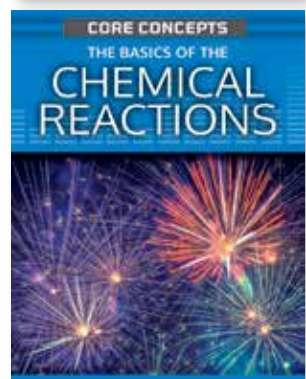
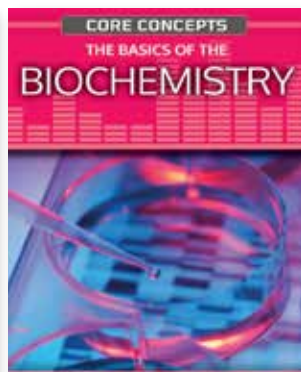
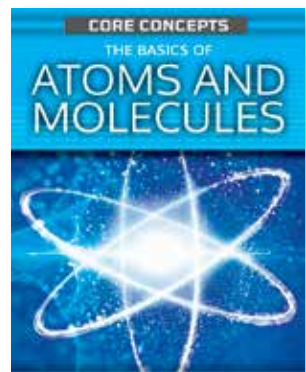
Volumes:

- App Design
- Artificial Intelligence
- Computer Animation
- Computer Games
- Robotics
- Web Design



CORE CONCEPTS IN CHEMISTRY

Put simply, chemistry is the study of matter. It concerns everything in the universe and links to all other areas of science. This series gives readers a solid foundation in core chemistry topics. A companion to our highly regarded Core Concepts in Biology (pages 30–31), these books offer an up-to-date and easily digested guide to this important subject.



Volumes:

- Atoms and Molecules
- Biochemistry
- Chemical Reactions
- States of Matter

Coming in Spring 2024:

- Chemistry
- Metals and Metalloids
- Nonmetals
- Organic Chemistry
- Periodic Table



Specifications:

Grades 7–12, Ages 12–17

187 x 235 mm (7.375 x 9.25 in)

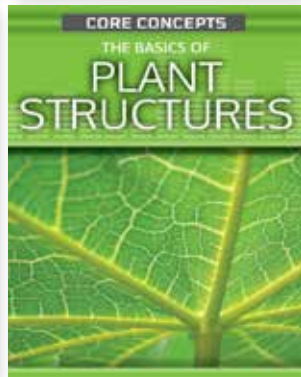
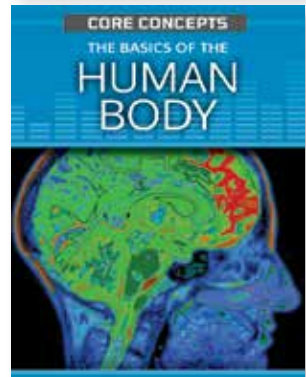
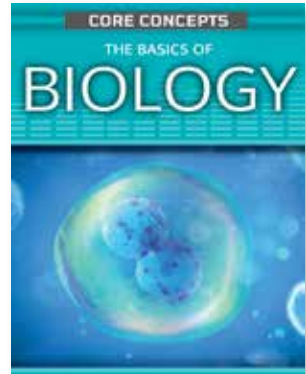
96 pp., 18,000 words, 75 photos and artworks

No. of volumes: 4



CORE CONCEPTS IN BIOLOGY

Understanding fundamental concepts is key to success in any academic discipline. These comprehensive and informative volumes provide an up-to-date account of core biology topics. Sidebars take a deeper dive into topics, suggest safe projects that students can carry out, and look at cutting-edge applications of the subjects.



- Volumes:**
- Animal Systems
 - Biology
 - Cell Biology
 - Ecology
 - Evolution
 - Genetics
 - Human Body
 - Microbes
 - Plant Structures
 - Reproduction

Specifications:

Grades 7–12, Ages 12–17

187 x 235 mm (7.375 x 9.25 in)

96 pp., 18,000 words, 75 photos and artworks

No. of volumes: 10

THE BASICS OF CELL BIOLOGY

the air. Transpiration pulls the water up through the xylem. Water also moves toward roots, leaves and other structures need to be carried through the plant. Dissolved in water they move around the plant through a different system of cells called the phloem. Unlike xylem cells, phloem cells are alive. A mesh of sieve plates allows the contents of one cell to flow into the next.

Animal Tissue
Animals (like animal tissues) that their main groups depending on the way they develop: the embryo. They are being, developing, muscle, and nerve cells.

Epithelial Cells
Epithelial (living) cells join to form sheets that cover the surface of the body, as well as the inner surfaces of organs. The inner surface of organs are lined by cuboidal cells. Cells on the skin surface divide rapidly to replace cells that are sloughed (shed) off. Epithelial cells that line the air way of lungs form a tissue just one cell thick. It allows oxygen to pass only into the blood and carbon dioxide to move out. Cells lining the windpipe are shaped like columns. They are covered with tiny projections called cilia. The cilia move in waves to send mucus to the back of the throat, where it is swallowed.

Cells like small sacs called glands. Glands whose products are secreted into the body are called exocrine glands. These glands secrete their products into ducts that carry them to the body's surface. During excretion the glands fill with water and dissolved salts. These constituents of secretions pass out through epithelial cells lining the secretory glands.

Connective Tissues
Tissues important for packing and support are called connective tissues. Cartilage, bone, and blood are all types of connective tissues. The cells are usually widely separated and are surrounded by complex mixtures of materials, such as collagen fibers. This kind of loose tissue occurs around all the organs of the body. It also connects the different structures directly to each other. Dense connective tissue containing many fibers occurs where greater strength is needed, such as in ligaments and tendons. Harder types of connective tissues include cartilage and bone. Bone gets its strength

DIFFERENT TYPES OF CELL

CELLULAR ERRORS

Sometimes errors occur in cell differentiation. If white blood cells start to multiply uncontrollably, a kind of cancer of the blood called leukemia develops. There are various types of white blood cells, such as granulocytes and lymphocytes. Similarly, there are several kinds of neurons. The type of disease depends on which blood cells are multiplying out of control.

EPITHELIAL CELLS IN ANIMALS

↑ A. Malignant cells have thin, finger-like extensions called microvilli. They increase the area available for absorption of molecules transported. The walls of the gut are lined by these types of cells.

↑ B. Goblet cells have hollow, ball-like cells that line to secrete mucus. Suspended in fluid, such as mucus, which is the windpipe is lined by goblet cells. This helps to trap bacteria to get around.

↑ C. Secondary cells have hollow, ball-like cells. The vesicles rupture to release a substance into a body cavity, such as the skin or into the gut. These glands, for example, are lined by secondary cells.

THE BASICS OF PLANT STRUCTURES

SPECIES FROM ELSEWHERE

In the past many plants in the United States were introduced, accidentally or otherwise, from overseas. Though in plants often do not find well and grow the soil, but sometimes a species that is new to an area has a major effect on native plant and animal communities.

Water hyacinth, for example, was brought to Florida in the late 18th century. It grows on the surface of ponds and rivers at an extraordinary rate. The plant keeps spreading from reaching the water below, so other structures die. Placing a strip of lead through stretches of water containing these plants becomes almost impossible since they grow very thick. The best way to control water hyacinth is by using biological control agents such as certain weevils (a type of beetle), which has been successful in some areas.

Some ornamental plants have particular meanings in the West and east are an expansion of time, while they are also seen at harvest. One harvest is a symbol of peace and friendship.

Some ornamental plants have particular meanings in the West and east are an expansion of time, while they are also seen at harvest. One harvest is a symbol of peace and friendship.

Flare and Endangered Plants

Human activities have made some plants become very important. They are all part of the rich history of life on Earth, but we depend on some plants could provide vital medicines or foods in the future. Botanical gardens across the world grow rare plants, and others can be used under cold or harsh conditions, possibly as seeds. If the plants die, they can be grown again using the preserved seeds. In 1987 the Global Seed Vault was established on Spitzbergen, northern Norway. For this purpose:

DOUBLE FLOWERS

"Double" flowers are those with many petals. The most, in these flowers the stamens have been replaced by petals due to natural mutation or artificially selected by plant breeders.

Double flowers produce only a little or no pollen, so natural reproduction through pollen transfer is unlikely or impossible. These ornamental flowers have been bred purely for recreational value as garden plants. Like most fruit trees, their reproduction is normally from cuttings and clones.

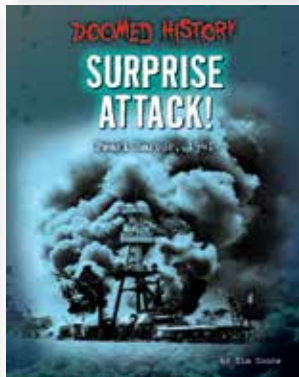
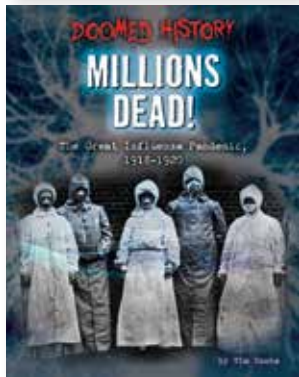
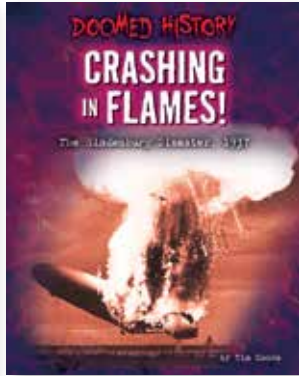
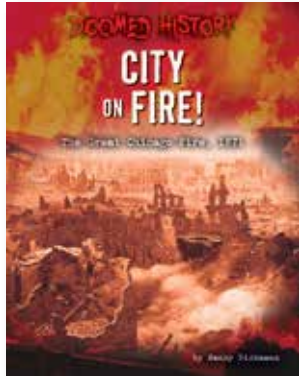
↑ Arrow dye is made from powder from the Sesuvium plant. It is used to make temporary decorations for the skin and to color hair.

PEOPLE AND PLANTS

↑ The Japanese Garden and pond in the Brooklyn Botanic Garden. The Botanic Garden is home to more than 12,000 different kinds of plants.

DOOMED HISTORY

People often talk of being in the wrong place at the wrong time, but imagine being in Pompeii the day that Mt Vesuvius erupted or on the *Titanic's* fateful voyage? This high-interest series takes readers to some of the most dangerous places in history, revealing how events unfolded, who survived and who was doomed, and what happened next:



Specifications:

Grades 4–7, Ages 9–12

279 x 229 mm (6½ x 9 in)

32 pp., 2250 words, 20–25 photos and artworks

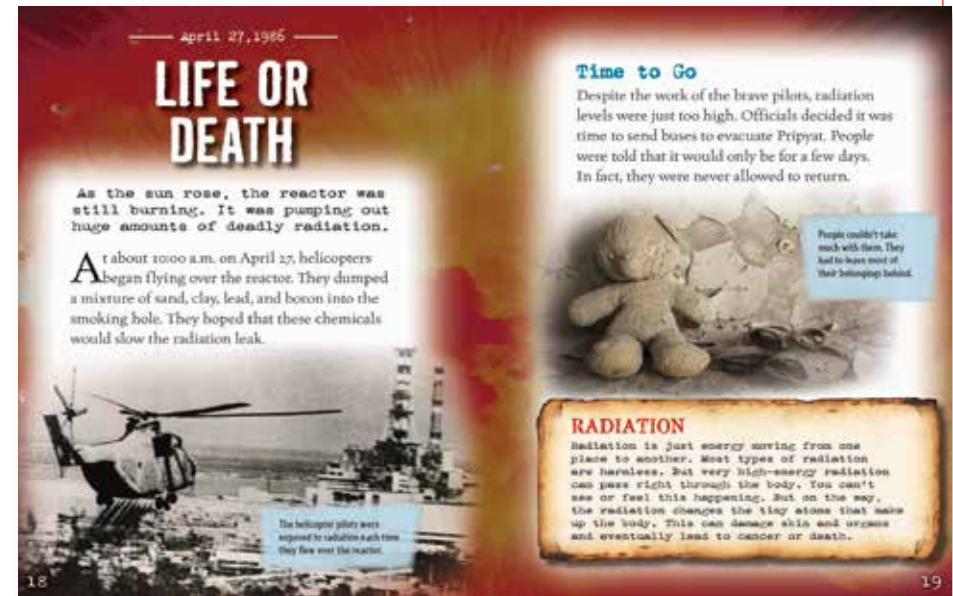
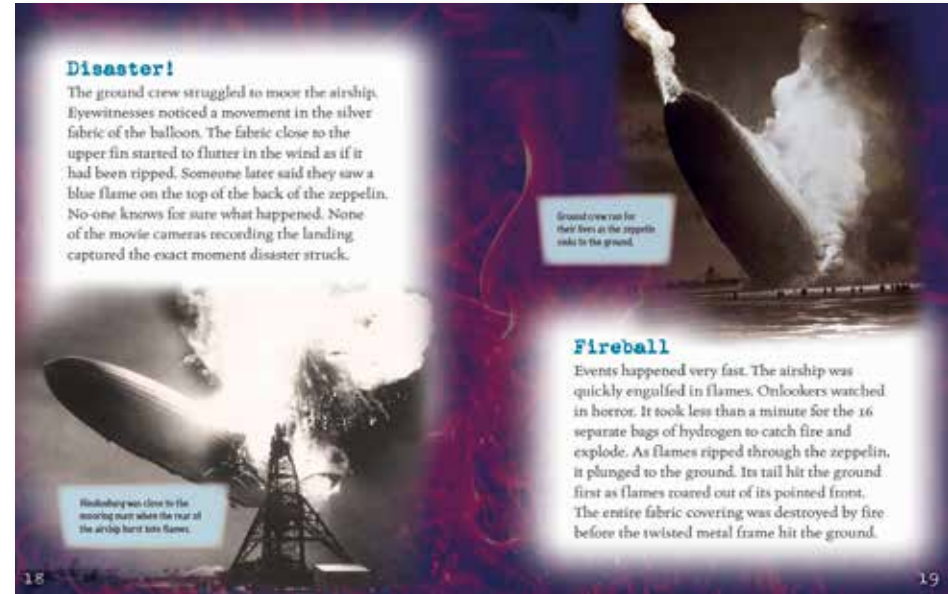
No. of volumes: 6

New titles:

- City on Fire! (Great Chicago Fire, 1871)
- Crashing in Flames! (The Hindenburg Disaster, 1937)
- Millions Dead! (The Flu Epidemic, 1918–1920)
- Mission Disaster! (Challenger 1986 and Columbia 2003)
- Radiation Disaster! (Chernobyl, 1986)
- Surprise Attack! (Pearl Harbor, 1941)

Existing titles:

- Accused of Witchcraft! (Salem, 1692–1693)
- Death at the South Pole! (Antarctica, 1911–1912)
- Earthquake Disaster (San Francisco, 1906)
- The Great Plague (London, 1665–1666)
- Mt Vesuvius Erupts! (Pompeii, 79 CE)
- Sunken Ship of Dreams (The Titanic, 1912)



FAST TRACK

Get on the Fast Track to learning with our branded books. Our Fast Track series gets children aged 5 to 8 off to a flying start on their reading adventure. The books cover topics younger readers want to read about.



DETECTIVES

Become a reading detective and uncover facts about favourite subjects. Fact files, maps and annotated images provide the evidence. A quiz at the end of each book lets readers test their findings.



Scale artworks show the size of the dinosaurs.

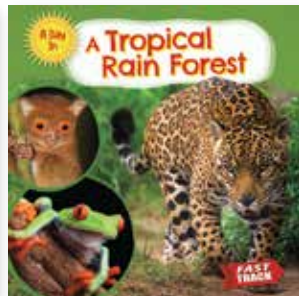
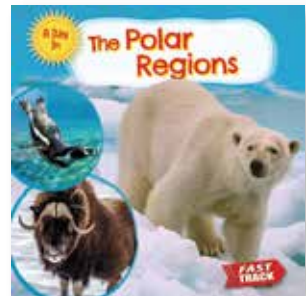
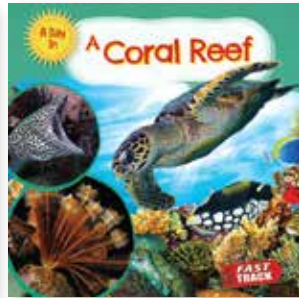
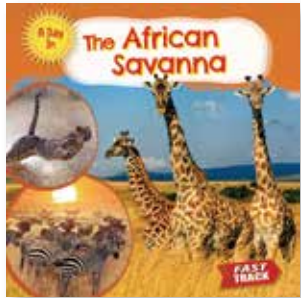
Key information is presented in Mini Fact boxes.

Major illustrations form the centrepiece of each double-page spread.

Find out where in the world the dinosaur fossils were found.

A DAY IN (A FAST TRACK SERIES)

Spend a day in the most exciting places on Earth. Find out how some amazing animals spend their time. Which creatures hunt during the day and which only come out at night? This series takes a fascinating look at biomes and animal behaviour.



Key selling points:

- Small blocks of text.
- Features many well-loved animals.
- Each book includes an activity to enhance learning.

Volumes:

- A Tropical Rainforest
- The Polar Regions
- The African Savanna
- A Coral Reef
- A Desert
- A Temperate Forest

Specifications:

Grades K-2, Ages 5-7

203 x 203 mm (8 x 8 in)

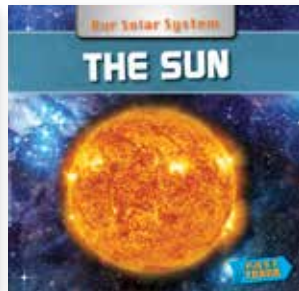
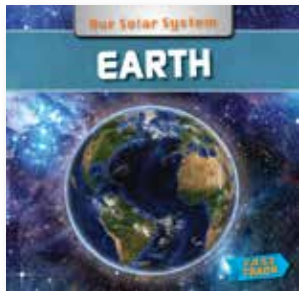
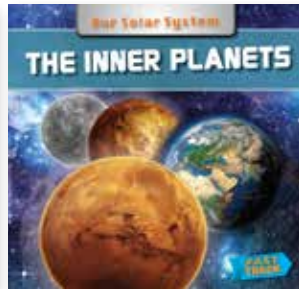
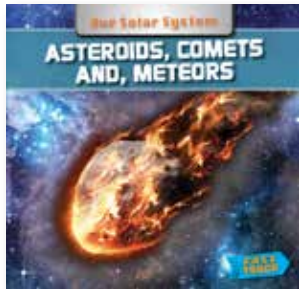
24 pp., 600-650 words, 20-25 photos and diagrams

No. of volumes: 6



OUR SOLAR SYSTEM (A FAST TRACK SERIES)

Explore the exciting topic of space with a series specially written for younger readers. Find out about the Sun, the star at the centre of our solar system, and the planets in orbit around it. What is a comet, and what is the difference between a meteor and a meteorite? How many astronauts have landed on the Moon? Find the answers to these questions and more.



Specifications:

Grades K–3, Ages 5–7

203 x 203 mm (8 x 8 in)

24 pp., 650 words, 20–25 photos and artworks

No. of volumes: 6

Key selling points:

- Beautiful photographs and diagrams bring the subject to life.
- Each book includes a simple activity.
- Clear text explains scientific ideas for the younger learner.

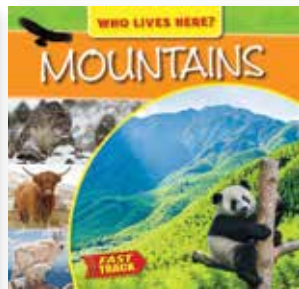
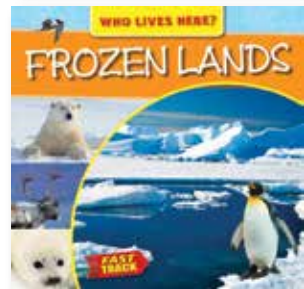
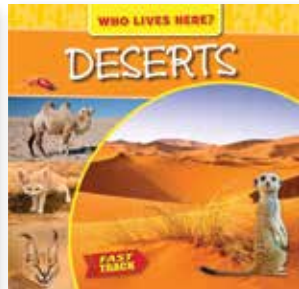
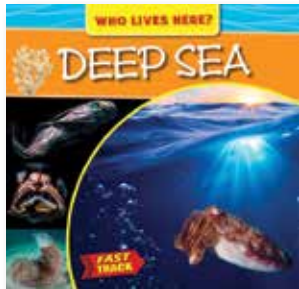
Volumes:

- The Sun
- The Moon
- Earth
- The Inner Planets
- The Outer Planets
- Comets, Asteroids and Meteors



WHO LIVES HERE? (A FAST TRACK SERIES)

This exciting series transports young readers to the most interesting environments on our planet and introduces some of the animals that live in them. With striking photographs and simple text, the series helps to explain the links between each biome and its animal inhabitants.



Specifications:

Grades K-2, Ages 5-7

203 x 203 mm (8 x 8 in)

24 pp., 600-650 words, 20-25 photos

No. of volumes: 6

Key selling points:

- Beautiful photographs illustrate a selection of animals that live in each of the world's major biomes.
- Clear text explains the special adaptations that enable the animals to live where they do.

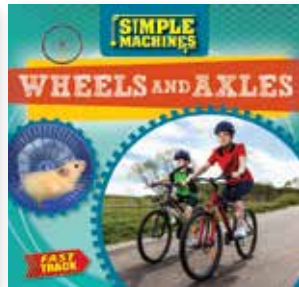
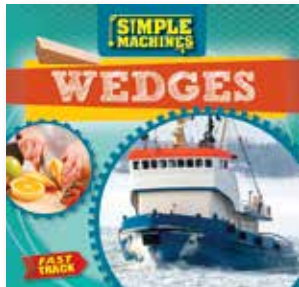
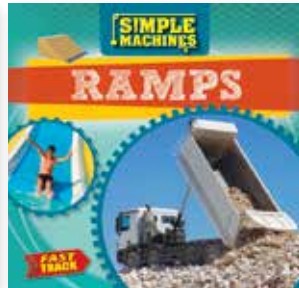
Volumes:

- Deep Sea
- Deserts
- Frozen Lands
- Grasslands
- Mountains
- Rainforests



SIMPLE MACHINES (A FAST TRACK SERIES)

From seesaws to scissors, our most useful tools depend on one or more simple machines. Find out how simple machines work and how we use them every day. Perfect for STEM, this series introduces young readers to the six types of simple machines that people have been using for thousands of years.



Specifications:

Grades K–2, Ages 5–7

203 x 203 mm (8 x 8 in)

24 pp., 600–650 words, 20–25 photos and diagrams

No. of volumes: 6

Key selling points:

- Simple text explains scientific ideas for the younger learner.
- Colourful photos and labelled artworks.
- Hands-on activities aid further learning.

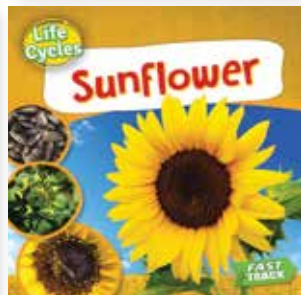
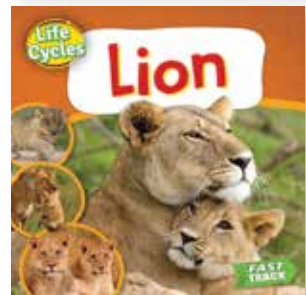
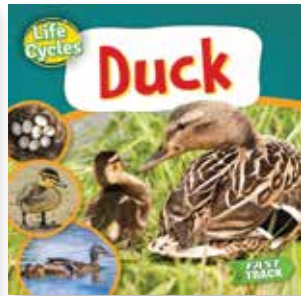
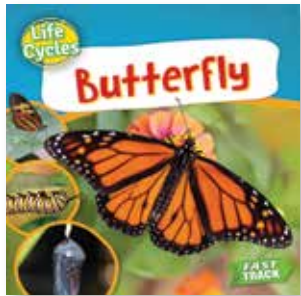
Volumes:

- Levers
- Pulleys
- Ramps
- Screws
- Wedges
- Wheels and Axles



LIFE CYCLES (A FAST TRACK SERIES)

All living things change and grow during their lives. This series introduces young readers to life cycles. Stunning photographs and simple text explain what life cycles are and how they work for a variety of different types of animals and flowering plants. Part of the established Fast Track brand, the books offer attractive visual information combined with straightforward text.



Specifications:

Grades K–3, Ages 5–8

203 x 203 mm (8 x 8 in)

24 pp., 600–650 words, 15–20 photos and artworks

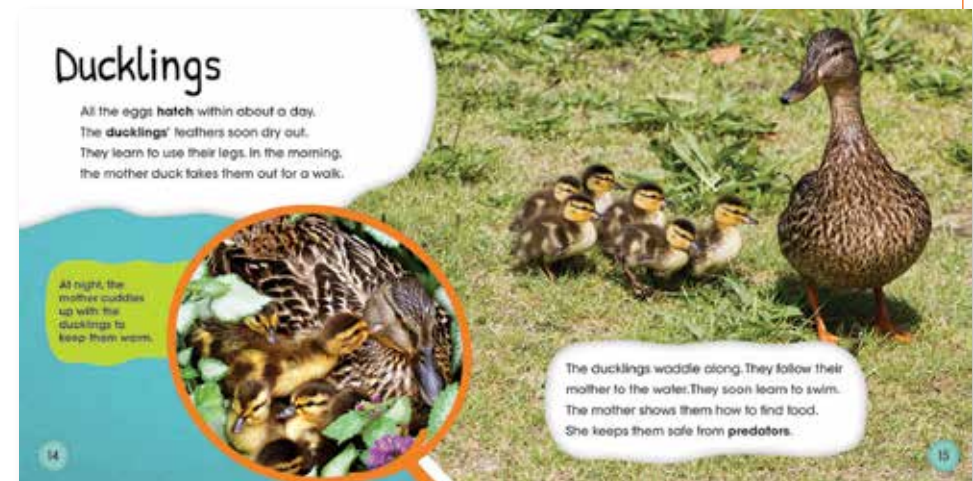
No. of volumes: 6

Key selling points:

- Small blocks of text, carefully levelled for the reading age.
- Engaging photos.
- Activities and further research suggestions help children extend their learning.

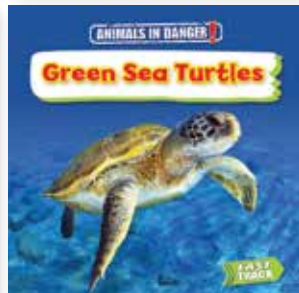
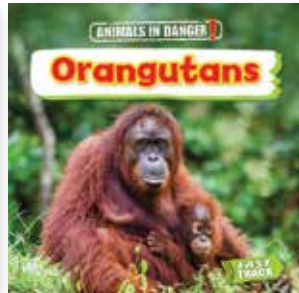
Volumes:

- Butterfly
- Duck
- Frog
- Lion
- Salmon
- Sunflower



ANIMALS IN DANGER (A FAST TRACK SERIES)

Part of our Fast Track brand for young readers, this series looks at some of the animals facing a fight for survival because of hunting, loss of habitat or climate change. With stunning photos and levelled text, each book looks at how the animals live, why they are in danger and what is being done to help them survive.



Specifications:

Grades K-2, Ages 5-7

203 x 203 mm (8 x 8 in)

24 pp., 600-650 words, 20-25 photos and diagrams

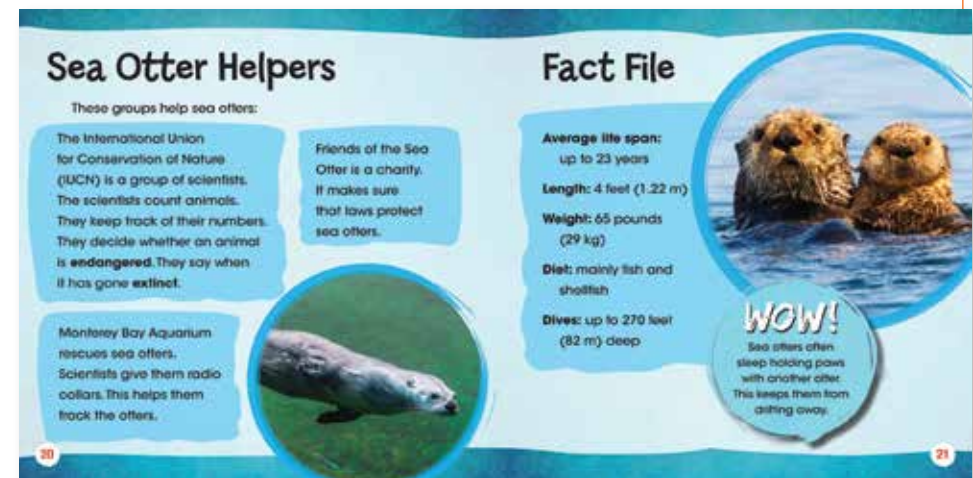
No. of volumes: 6

Key selling points:

- Small blocks of text.
- Fact File for each animal.
- Each book includes a maths-based activity to enhance learning.

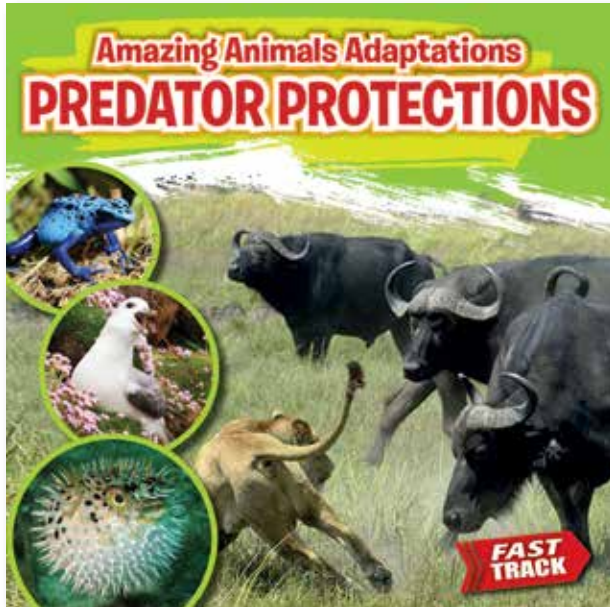
Volumes:

- Bengal Tigers
- Chimpanzees
- Green Sea Turtles
- Orangutans
- Polar Bears
- Sea Otters



AMAZING ANIMAL ADAPTATIONS (A FAST TRACK SERIES)

Animals have evolved amazing ways to survive in the wild. Some have special body parts, while others have adapted their behaviour to have the best chance of survival. Read these books to discover some weird and wild animal adaptations.



Specifications:

Grades K-3, Ages 5-8

203 x 203 mm (8 x 8 in)

24 pp., 600-650 words, 15-20 photos and diagrams

No. of volumes: 6

Key selling points:

- Small blocks of text.
- Includes familiar and also less well-known examples.
- Each book includes an activity to enhance learning.

Volumes:

- Predator Protections
- Masters of Camouflage
- Super Senses
- Marvelous Movers
- Working as a Team
- Extreme Environments



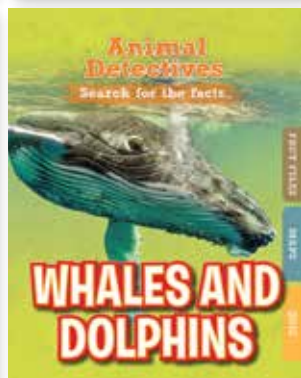
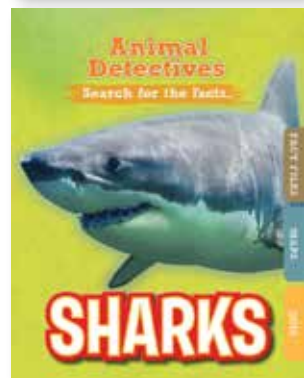
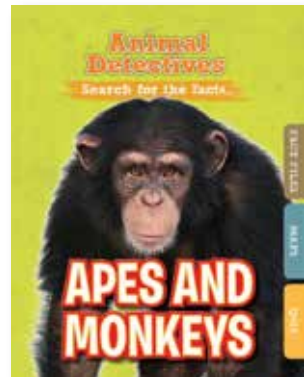
Spikes and spines

Some animals protect themselves with sharp points. Predators must beware or they will suffer a nasty wound!



ANIMAL DETECTIVES (A DETECTIVES SERIES)

These eye-catching books introduce children to the world's most exciting creatures. Readers become animal detectives, uncovering facts about the animals with which we share our world. Each book features 11 different animals, with details about how each one lives, a fact file and a map showing where it is found.



Specifications:

Grades 2-4, Ages 6-9

229 x 178 mm (7 x 9 in)

24 pp., 700 words, 20-25 photos and artworks

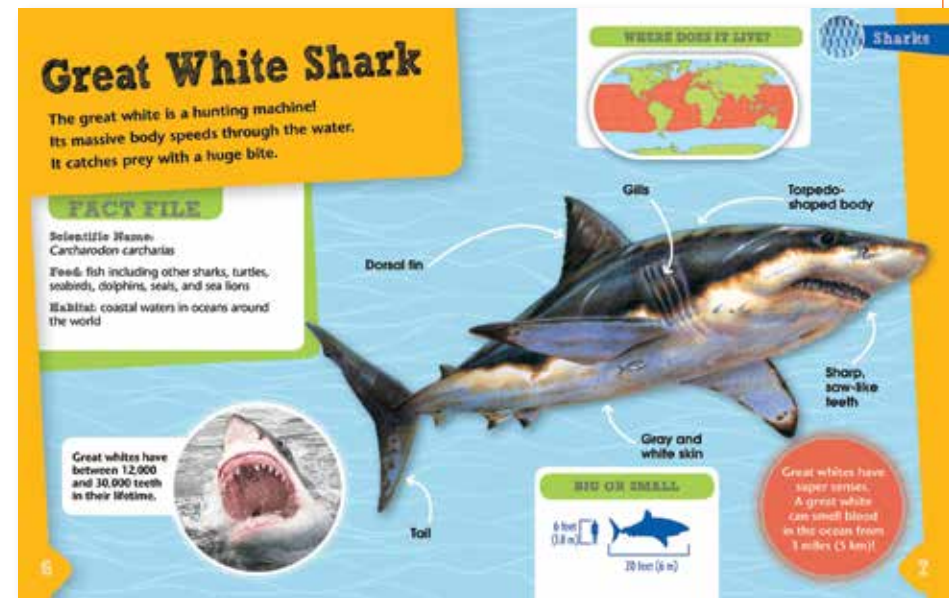
No. of volumes: 6

Key selling points:

- Presents key facts about popular animals.
- Accessible text, artworks and photographs.
- Fun quiz lets readers test their knowledge.

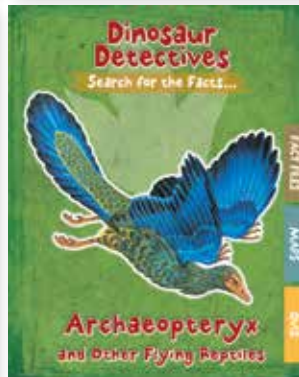
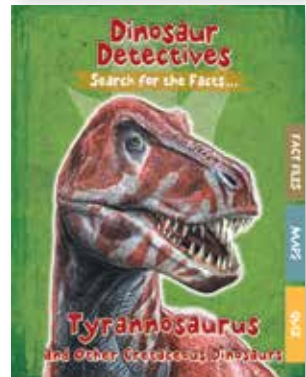
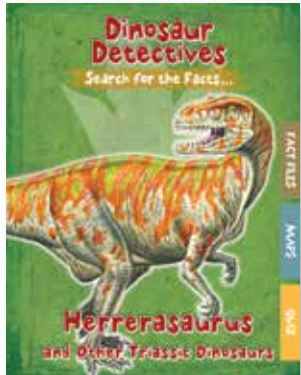
Volumes:

- Apes and Monkeys
- Big Cats
- Bugs
- Sharks
- Snakes
- Whales and Dolphins



DINOSAUR DETECTIVES (A DETECTIVES SERIES)

Become a 'dinosaur detective' and uncover facts about dinosaurs and other ancient reptiles. This series combines information about the age of the dinosaurs with a close-up look at some of the most well-known and best-loved types. A must for any young dinosaur enthusiast!



Specifications:

Grades 2–4, Ages 6–9

229 x 178 mm (7 x 9 in)

24 pp., 700 words, 20 artworks, maps and diagrams

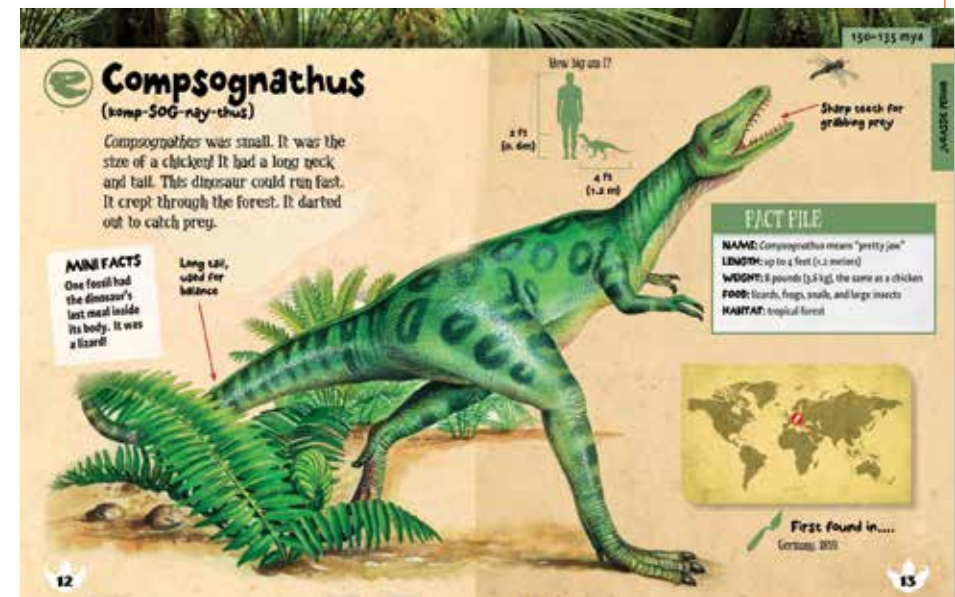
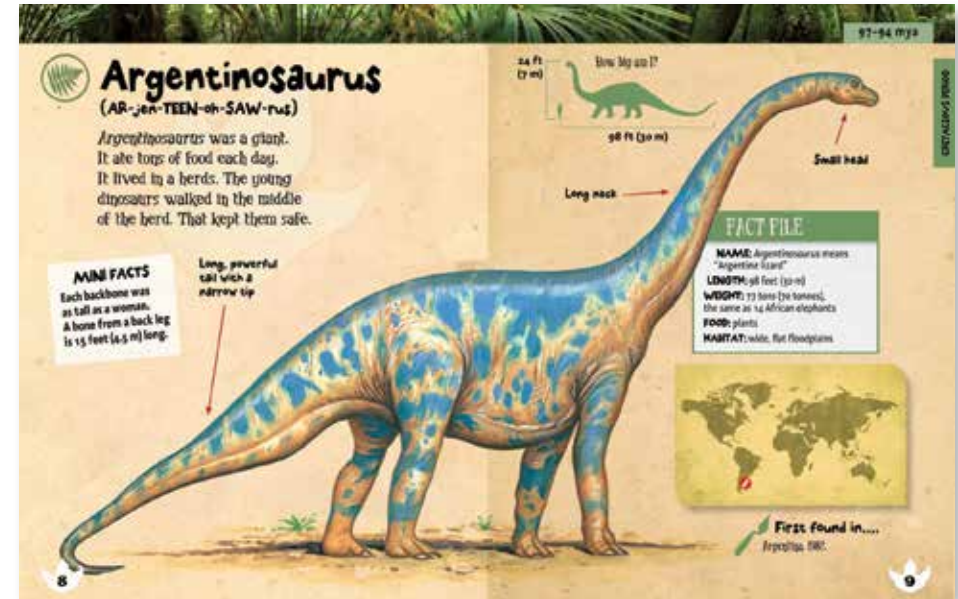
No. of volumes: 6

Key selling points:

- Presents key facts about popular dinosaurs and their relatives.
- Accessible text, artworks and photographs.
- Fun quiz lets readers test their knowledge.

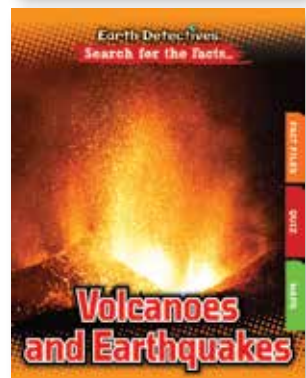
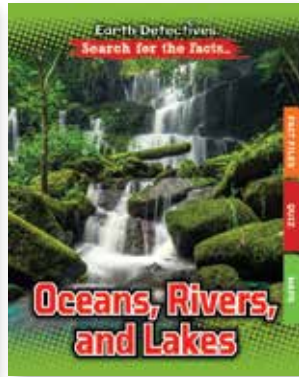
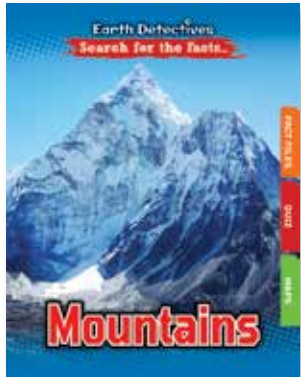
Volumes:

- Moschops and Other Ancient Reptiles
- Herrerasaurus and Other Triassic Dinosaurs
- Stegosaurus and Other Jurassic Dinosaurs
- Tyrannosaurus and Other Cretaceous Dinosaurs
- Archaeopteryx and Other Flying Reptiles
- Placodus and Other Swimming Reptiles



EARTH DETECTIVES (A DETECTIVES SERIES)

Be an Earth detective and discover the facts about our planet. From the highest mountains to the depths of the oceans, this series introduces readers to Earth and its natural features. Find out why volcanoes erupt, what makes the seasons, and which is the shortest river in the world.



Specifications:

Grades 2–4, Ages 6–9

229 x 178 mm (7 x 9 in)

24 pp., 700 words, 20–25 photos, maps and artworks

No. of volumes: 6

Key selling points:

- Presents key facts about popular planet Earth.
- Accessible text, artworks and photographs.
- Fun quiz lets readers test their knowledge.

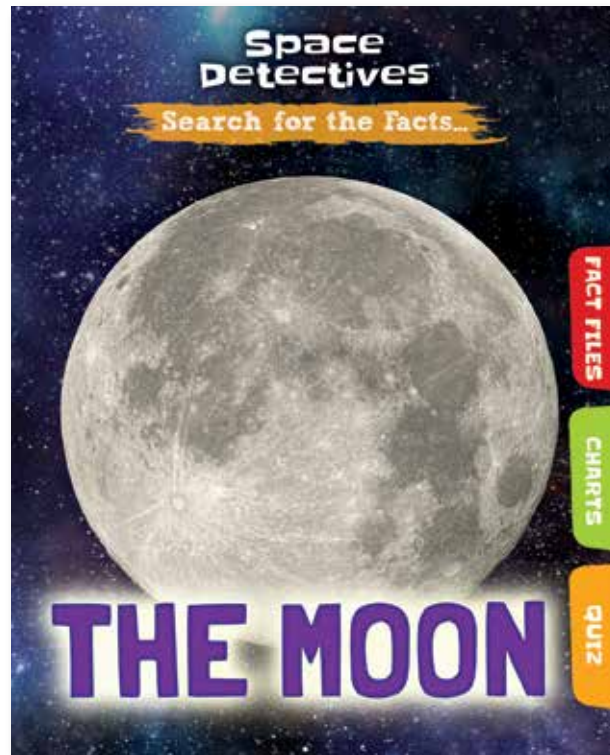
Volumes:

- Biomes
- Mountains
- Oceans, Rivers, and Lakes
- Using Maps
- Volcanoes and Earthquakes
- Weather and Seasons



SPACE DETECTIVES (DETECTIVES SERIES)

Learn about the fascinating subject of space in a brand-new way. Become a 'space detective' and uncover facts about the Sun and our solar system, space objects and space exploration. This series takes readers on a thrilling journey through the universe, with key information and close-up views. Essential reading for all budding astronauts.



Specifications:

Grades 2-4, Ages 6-9

229 x 178 mm (7 x 9 in)

24 pp., 700 words, 20 photos, maps and diagrams

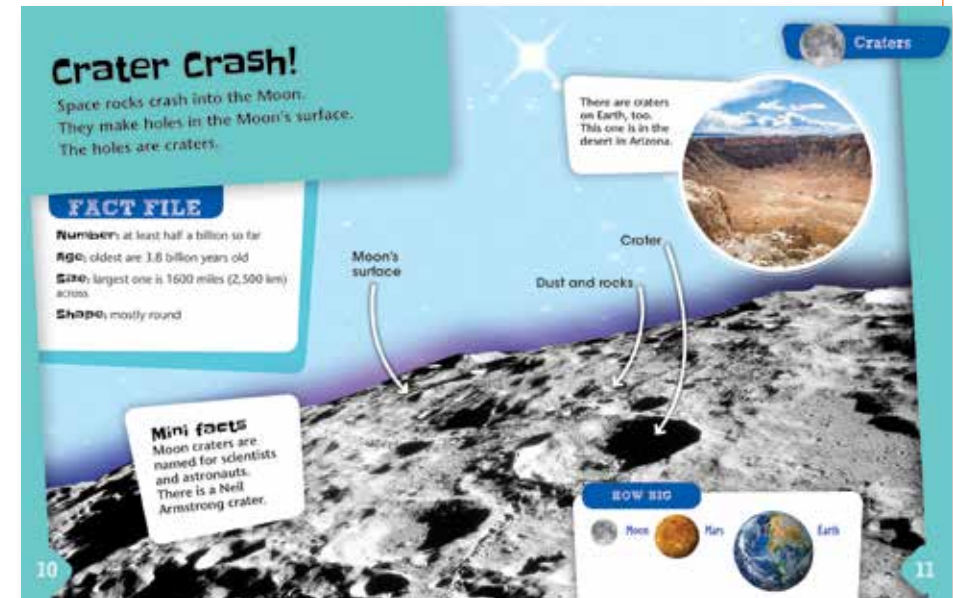
No. of volumes: 6

Key selling points:

- Presents key facts about space for younger readers.
- Small nuggets of text linked to artworks and photographs.
- Fun quiz lets students test their knowledge.

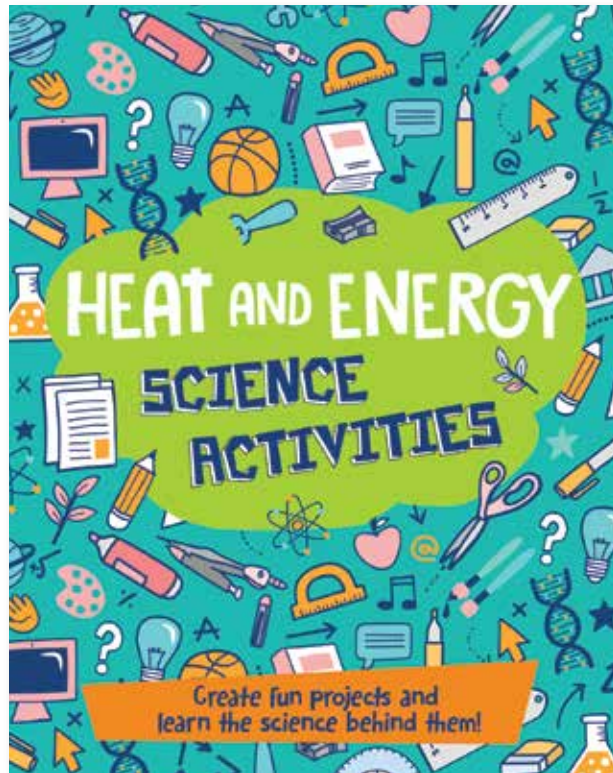
Volumes:

- The Moon
- Mercury, Venus and Mars
- Jupiter, Saturn, Uranus and Neptune
- Space Exploration
- Asteroids, Meteors and Comets
- The Sun and Other Stars



SCIENCE ACTIVITIES

Get hands-on with STEM! These books contain a range of projects that will teach children basic STEM concepts while keeping them busy for hours. All the experiments can be done at home and give children an understanding of scientific principles through practical activities.



Specifications:

Grades 4–6, Ages 8–10

203 x 254 mm (8 x 10 in)

32 pp., 1800 words, 70 artworks per book

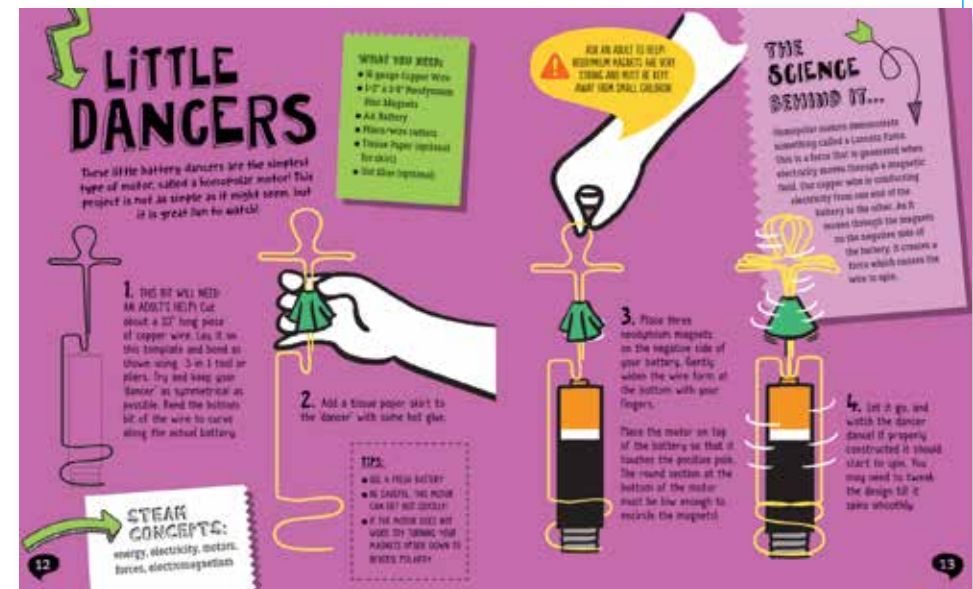
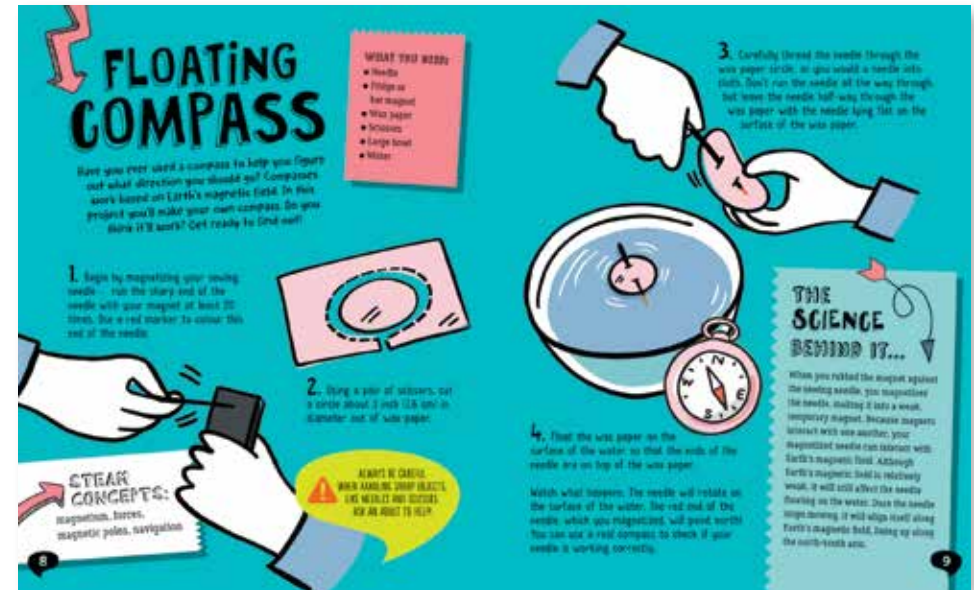
No. of volumes: 6

Key selling points:

- Lively artworks.
- Special boxes explain the principles behind the experiments.
- 12 projects per volume.

Volumes:

- Electricity and Magnetism
- Force and Motion
- Heat and Energy
- Light and Color
- Sound and Hearing
- Weather and Climate



KEY CONCEPTS IN STEM

This remarkable 23-book series covers all the key concepts from the four STEM subjects: Science (chemistry, physics and biology); Technology and Engineering; and Maths. This is the essential STEM collection for any school, library, or family. It can be taken as a whole or divided into five subject-specific mini series.

Key selling points:

- Written by subject experts.
- Offers a guided path through core subjects in STEM.
- Information graded to be relevant to student needs.

Specifications:

Grades 7–12, Ages 12–17
 254 x 203 mm (10 x 8 in)
 64 pp., 30,000 words, 60 photos and diagrams per volume
 No. of volumes: 23

Special Features:

- “Science Words” boxes explain technical terms.
- “Science and Society” sidebars place STEM in a broader context.
- Biographical features note the contributions of major scientists.
- Timelines show how disciplines develop.

SCIENCE WORDS

Compound: A substance that contains two or more elements joined together by chemical bonds.

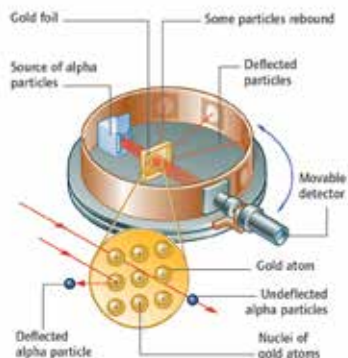
Electrolyte: An ionic substance that can conduct electricity.

Electron: A negatively charged particle that orbits an atom's nucleus.

Immiscible: When substances cannot mix.

Ion: An atom that has lost or gained an electron or electrons.

Miscible: When substances can mix.



Illustrations:

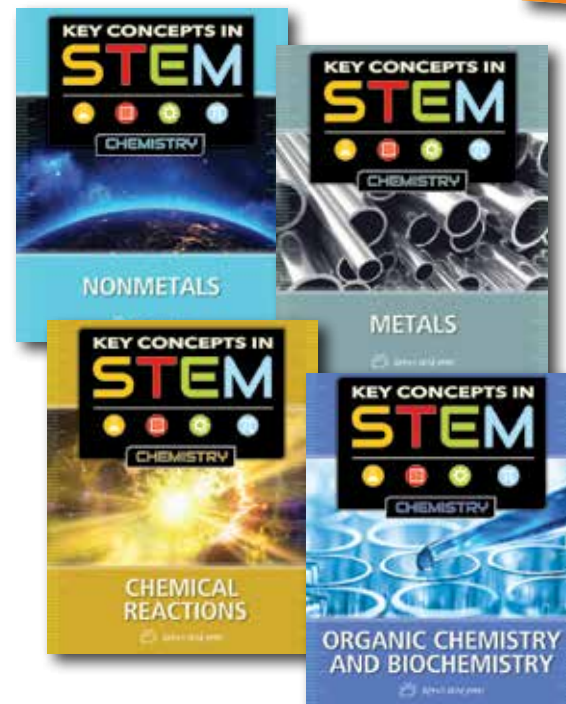
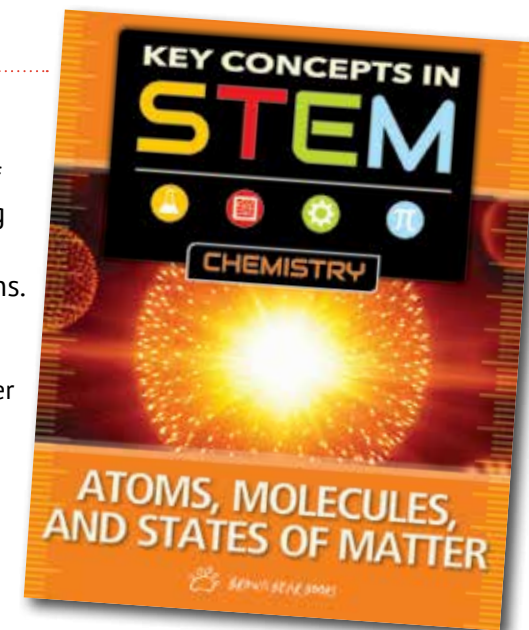
Hundreds of clearly-labelled diagrams offer an unrivalled visual explanation of scientific principles.

CHEMISTRY

Chemistry is the study of matter, its properties, and how it changes. These books cover the key areas of the subject, from the basic building blocks of atoms through chemical reactions and industrial applications.

Volumes:

- Atoms, Molecules and States of Matter
- Chemical Reactions
- Metals
- Nonmetals
- Organic Chemistry and Biochemistry



COMMON SALT

Solid common salt is made from a cubic lattice structure of sodium and chloride ions.

Chloride ion

Sodium ion

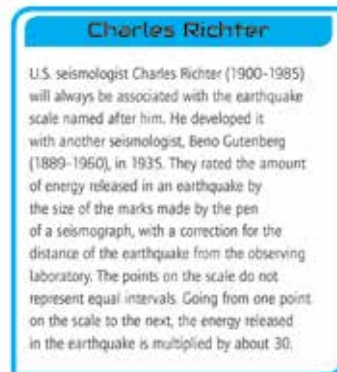
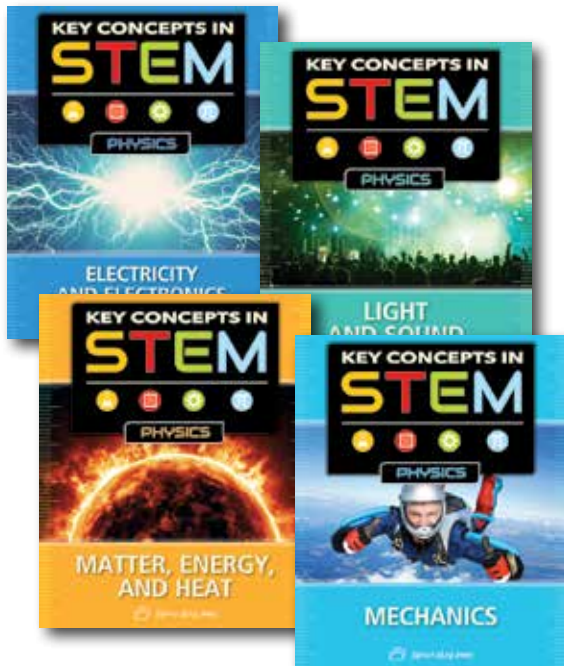
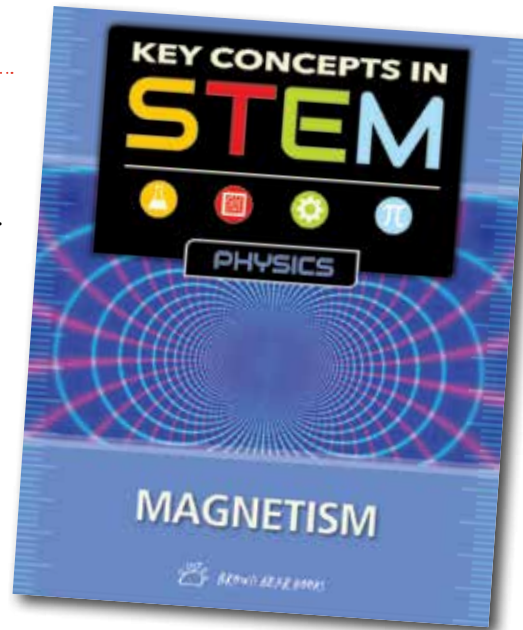
Side panels and boxed features explain chemical structures.

PHYSICS

Put simply, physics is the study of energy and matter. It asks questions about the smallest parts of atoms and the vast regions of the universe.

Volumes:

- Electricity and Electronics
- Light and Sound
- Magnetism
- Mechanics
- Matter, Energy and Heat



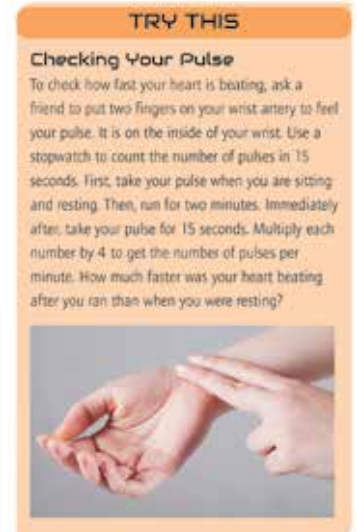
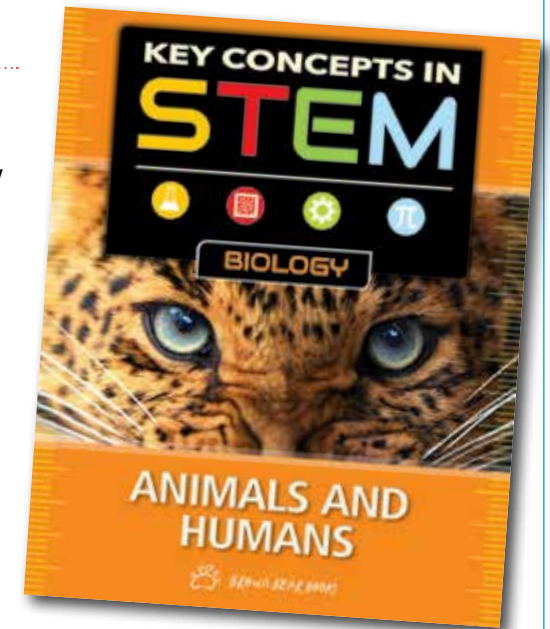
The story of science cannot be separated from the pioneers whose ideas pushed the boundaries of scientific understanding. Biographical sidebars introduce some of these trailblazing thinkers.

BIOLOGY

Biology is the science of life: what it is, how it began, and how it changes. Today, this area of study has critical implications as we battle to fight diseases and save our planet from the looming climate catastrophe.

Volumes:

- Animals and Humans
- Ecology
- Evolution
- Plants and Microorganisms
- Reproduction and Genetics



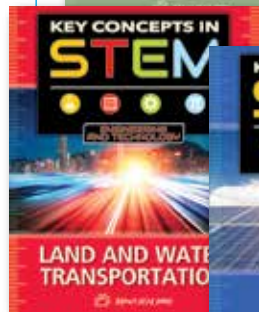
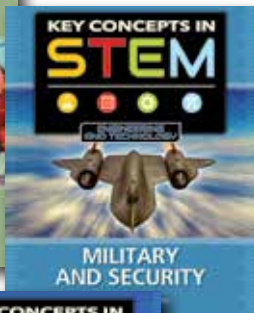
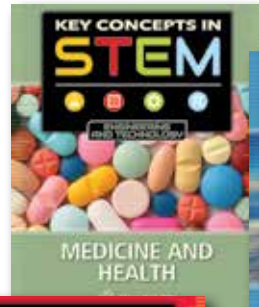
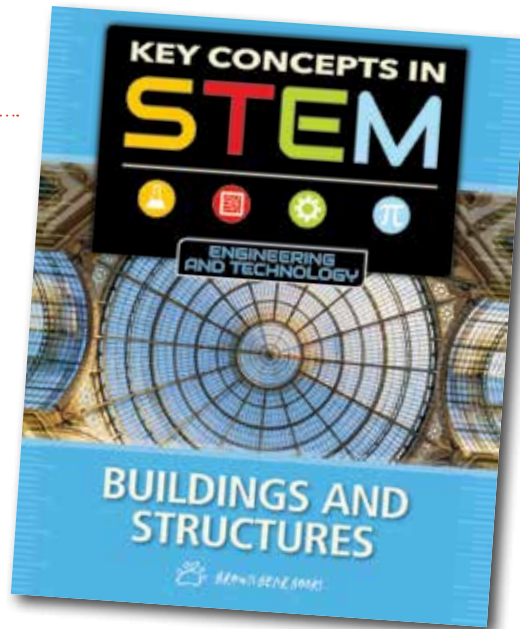
Try This boxes feature activities that explain key concepts.

ENGINEERING AND TECHNOLOGY

Engineering and technology are the practical applications of science. They have helped develop the tools, structures, machines and vehicles that we use every day.

Volumes:

- Air and Space Technology
- Buildings and Structures
- Land and Water Transportation
- Medicine and Health
- Military and Security Technology
- Power and Energy



FACTS AND FIGURES

- At over 80,000 tons (72,000 metric tons), the Japanese Yamato was the heaviest battleship ever seen. The WWII warship was 852 ft (263 m) long and had a crew of 2,500. Among its formidable array of weapons were nine 18 inch (46 cm), twelve 6 inch (15 cm), and twelve 5 inch (13 cm) guns. Its armor was designed to withstand a 2,200 lb (1,000 kg) bomb dropped from a height of 10,000 ft (3,000 m). Yamato was sunk by U.S. airplanes on April 7, 1945.
- The record speed any kind of military vessel has achieved is 91.9 knots (110 mph, or 170 km/h), a record set by the U.S. attack hovercraft SES1008 on January 25, 1980.

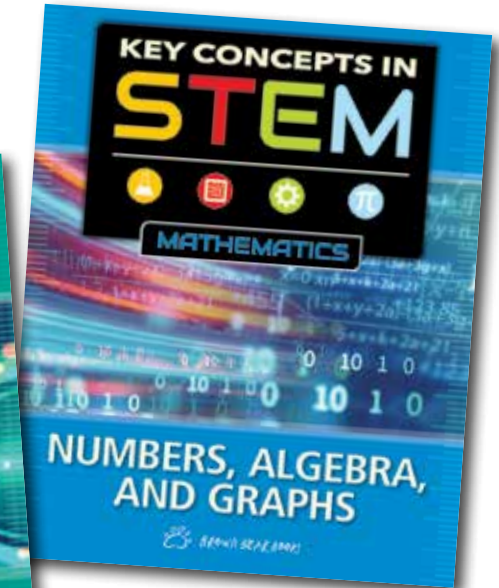
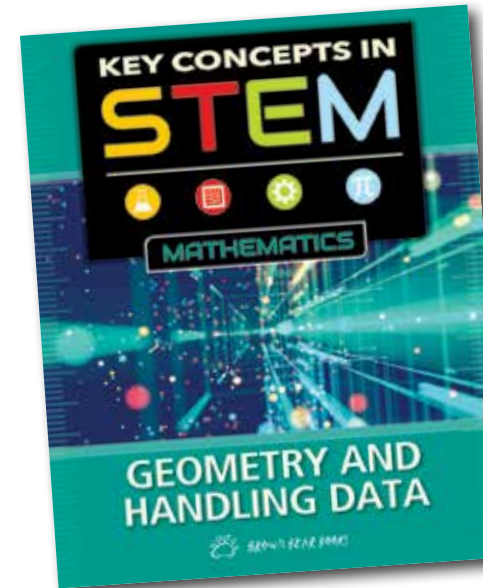
Sometimes the numbers speak for themselves. Facts and Figures boxes provide the statistics and numbers that underly a scientific topic.

MATHEMATICS

Mathematics is a language of numbers that helps us explain the world. These two books provide a straightforward guide to the key areas of maths, how they interconnect, and their practical uses.

Volumes:

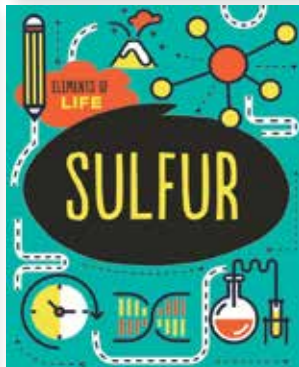
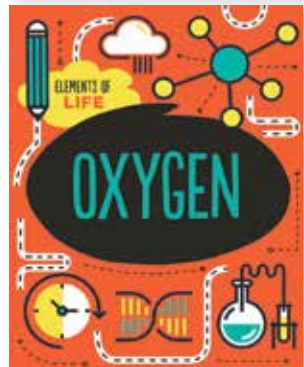
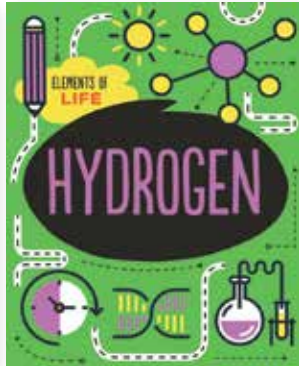
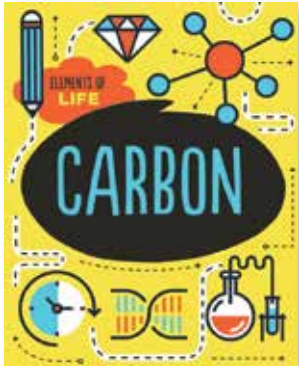
- Numbers and Algebra
- Geometry and Handling Data



Timeline spreads show the history of a discipline, while glossaries explain key terms.

ELEMENTS OF LIFE

All living things – from microscopic bacteria to blue whales – are made mainly of the same six ingredients. These six chemical elements are the building blocks of life. Each book tells the story of one of these elements, explaining what it is, how it was discovered, how it reacts – and what makes it vital to life processes.



Key selling points:

- Text explains concepts clearly.
- Spread-based so readers can dip in or read from cover to cover.
- Illustrated with colourful photographs and clearly labelled diagrams.

Volumes:

- Carbon
- Hydrogen
- Nitrogen
- Phosphorus
- Sulfur
- Oxygen

Specifications:

Grades 2–5, Ages 7–10

203 x 254 mm (8 x 10 in)

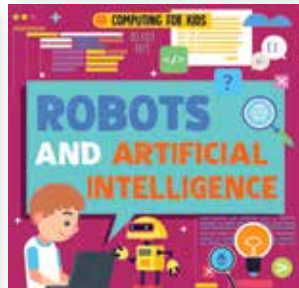
32 pp., 2500 words, 36–40 artworks and photographs

No. of volumes: 6



COMPUTING FOR KIDS

This bright and colourful series is a first introduction for young children to computers and how they work. From the hardware inside a computer, to networks and smart technology, this series explains the key concepts that are essential in today's digital world. The books provide a quick understanding of basic computing functions.



Key selling points:

- Lively colourful design.
- Explains concepts in a simple, easy-to-understand way.
- Fun quiz at the end of each book lets readers test what they've learned.

Volumes:

- How Computers Work
- Computer Programs and Coding
- Networks and the Internet
- Robots and Artificial Intelligence

Specifications:

Grades K-3, Ages 5-8

203 x 203 mm (8 x 8 in)

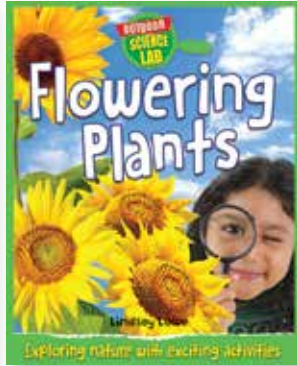
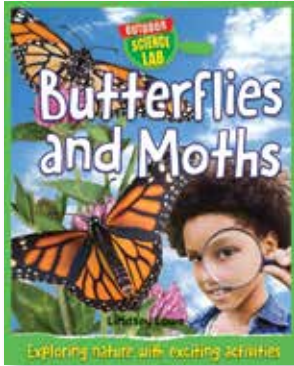
32 pp., 1800 words, 25-30 photos and diagrams

No. of volumes: 4



OUTDOOR SCIENCE LAB

A hands-on introduction to nature, with projects and experiments that children can carry out in their own garden, school playground or local park. Introductory and analytical sections are mixed with safe and fun activities, clearly explained with step-by-step photographs.

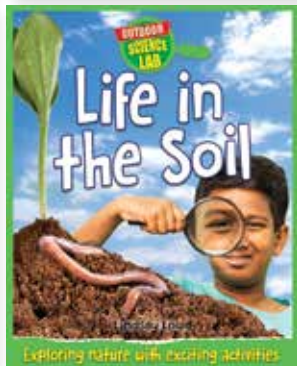
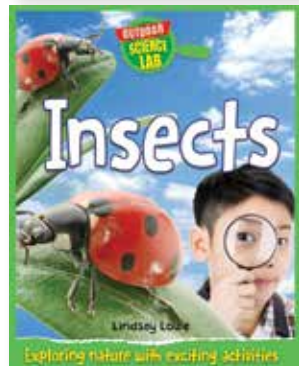


Key selling points:

- An exciting and practical introduction to nature.
- Close Up and Fun Fact boxes give interesting asides.
- Step-by-step photography makes the activities easy to follow.

Volumes:

- Butterflies and Moths
- Flowering Plants
- Insects
- Life in the Soil



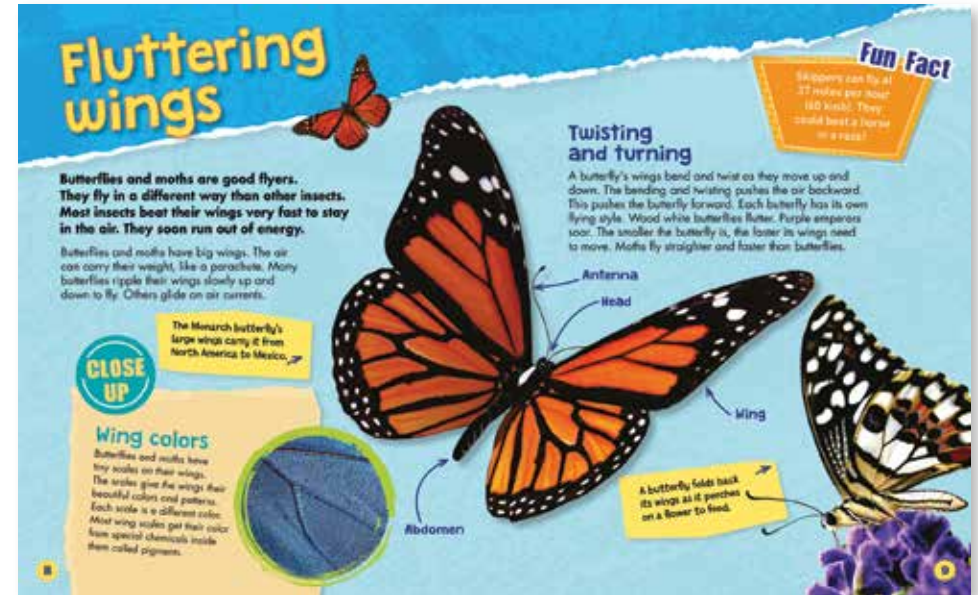
Specifications:

Grades 3–6, Ages 8–11

254 x 203 mm (10 x 8 in)

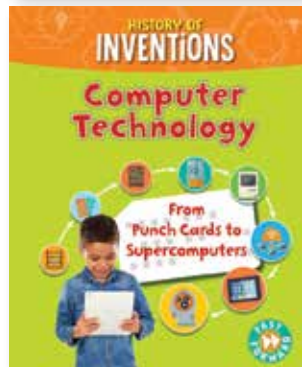
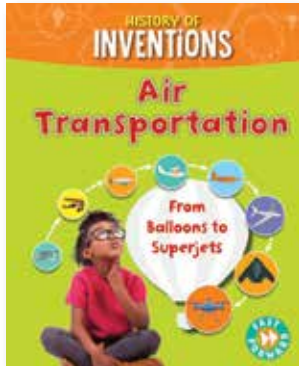
32 pp., 2700 words, 35–40 photos

No. of volumes: 4



HISTORY OF INVENTIONS

Even very young kids can use a smartphone and listen to music on a streaming site, but how did we get to the technology we use today? This series traces the history of inventions, explaining how one breakthrough leads to the next. A visual timeline at the bottom of each spread is a reminder of how the story unfolds.



Specifications:

Grades 2–4, Ages 7–10

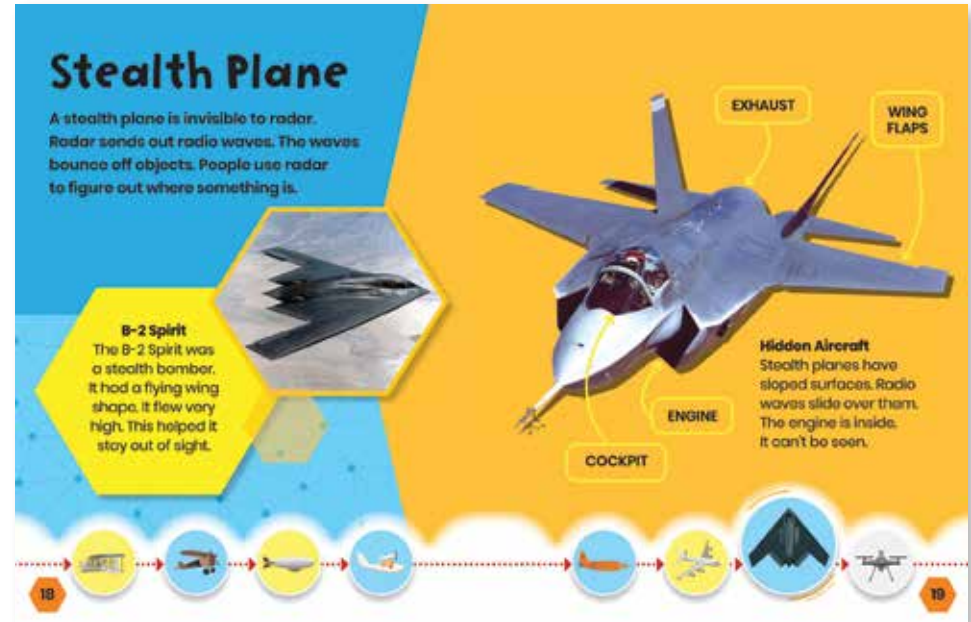
229 x 178 mm (7 x 9 in)

24 pp., 850–900 words, 20–24 photos and artworks

No. of volumes: 6

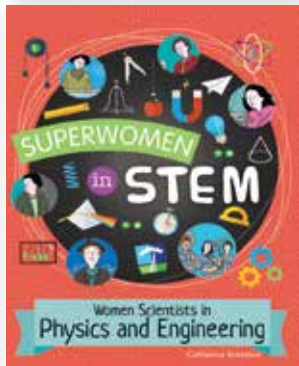
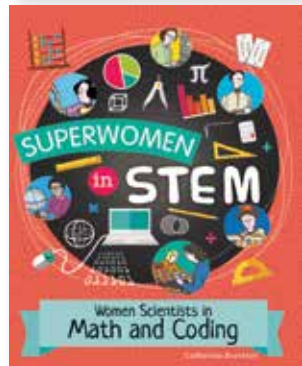
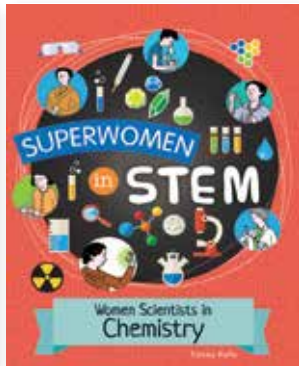
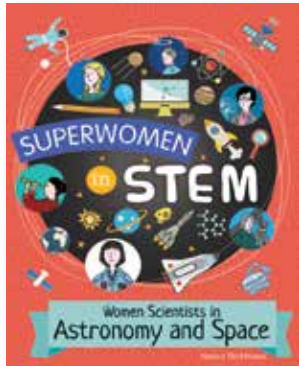
Volumes:

- Air Transportation: From Balloons to Superjets
- Communication Technology: From Smoke Signals to Smartphones
- Computer Technology: From Punch Cards to Supercomputers
- Music Technology: From Gramophones to Music Streaming
- Road Transportation: From Carts to Racing Cars
- Space Exploration: From Rockets to Space Stations



SUPERWOMEN IN STEM

This exciting series looks at the lives and work of some notable women pioneers in STEM (science, technology, engineering and maths). Each book looks at six incredible women scientists. It describes their struggles, celebrates their achievements and shows why their work was important. Read these books to be inspired!



Specifications:

Grades 4–5, Ages 9–10

229 x 178 mm (7 x 9 in)

32 pp., 2000 words, 20 photos

No. of volumes: 6

Key selling points:

- Accessible text and clever character artworks engage readers.
- Each book includes a timeline, glossary and ideas for further research.

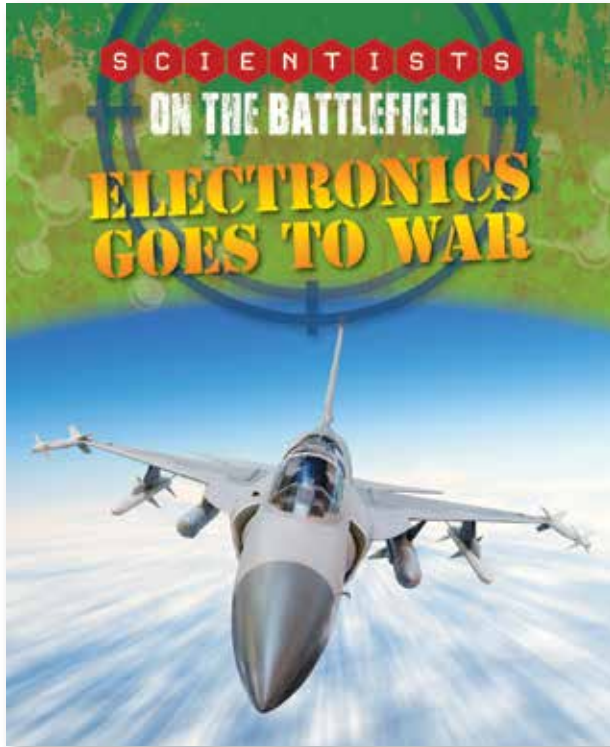
Volumes:

- Astronomy and Space
- Chemistry
- Life Science
- Maths and Coding
- Medicine and Health
- Physics and Engineering



SCIENTISTS ON THE BATTLEFIELD

From gunpowder to drones, these books use the drama of combat to introduce readers to scientific principles. Discover the key role that scientists and mathematicians have played in the history of warfare and find out why brainpower is always the most powerful weapon in any war.



Specifications:

Grades 5–8, Ages 10–13

228 x 178 mm (7 x 9 in)

48 pp., 4250 words, 50 photos and diagrams

No. of volumes: 6

Key selling points:

- Shows how science has been used in warfare.
- Science File boxes explain scientific principles.

Volumes:

- Biology Goes to War
- Chemistry Goes to War
- Electronics Goes to War
- Engineering Goes to War
- Maths Goes to War
- Physics Goes to War

BREAKING THE ENIGMA CODE

In World War II, the Germans encoded messages using a machine named Enigma. Cracking the code was a priority for the Allies.

The machine looked like a large typewriter. It had a keyboard with a set of rotors beneath. The rotors produced encoded characters as the keys were pressed. The rotor settings were changed each day according to a book of codes. Any message received was decoded using an Enigma machine with the same rotor settings.

PUZZLE SOLVERS
The British knew how Enigma worked because their Polish allies had seen a machine before the war. During the war, they captured books of Enigma codes from German naval ships and submarines. Using this material, British codebreakers set out to crack Enigma. They worked in secret at Bletchley Park, a manor house north of London.

The Enigma machines scrambled up messages into secret codes. The Germans were confident that the codes could not be cracked.



The English mathematician Alan Turing led a team of scientists, mathematicians, and other people recruited for their skill at solving crosswords and math puzzles.

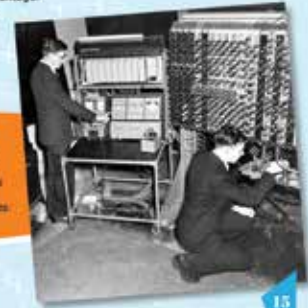
Turing and his team devised the first computer to decipher intercepted German radio signals. After many false starts, they finally succeeded in breaking the German codes in the summer of 1943. The Germans had no idea that their codes had been cracked. Knowing German secret intelligence gave the Allies a great advantage. Some experts think it helped to shorten World War II by up to two years.

THE BRAINS

Alan Turing (1912–1954) led the British code-breaking efforts. He was a mathematician and a computer pioneer. He came up with the idea for the Turing machine, an early type of computer, in 1936. Turing is seen as being the father of computer science.



British scientists program Colossus, the first electronic, programmable computer. Colossus was built to help break German codes.



DRONE ATTACK

Since the 1990s, unmanned aerial vehicles (UAVs), or drones, have become a key part of US and European warfare.

Drones were first fitted with cameras to be used for reconnaissance. In 2001 the US Air Force modified the Predator drone to fire missiles. Every branch of the US military now uses unmanned air weapons systems. Drones range in size from aircraft that can be carried in a backpack to the RQ-4 Global Hawk, which is bigger than an airplane. Drones play a key role in the "War on Terror," providing surveillance and strikes on enemy targets.

SCIENCE FILE

Radio Control

UAVs can be programmed to fly a route guided by computers. More often, they are steered remotely by a pilot using radio control. The pilot watches video from the UAV and uses a bank of controls to steer the drone. The commands can be sent to the drone instantly via satellite, even across the world.

The MQ-1 Predator carries a thermal-imaging camera and a satellite dish. It has two missile launchers under the wings.



LONG-DISTANCE OPS

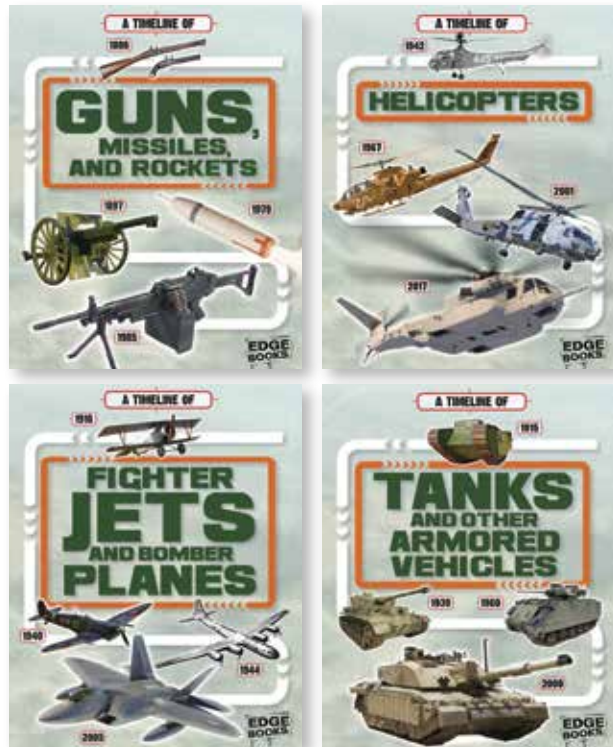
Drones are operated by trained military pilots. Many drones are based at Creech Air Force Base near Las Vegas. The planes can remain airborne for hours or even days. They fly at such high altitudes they cannot be seen from the ground. Cameras and radar sensors on the drone send back video and still images for analysis.

Intelligence experts study the images taken by drones to identify suspicious activity or known enemy individuals. US military forces on the ground may help to confirm the target for an attack. Drones fire a range of missiles or drop bombs. After an attack, analysts study images of the aftermath to judge the results.

This image of a ground truck in Iraq was taken by an MQ-9 Reaper. The image displays all the information a drone operator needs to carry out a strike on such a target.

MILITARY TECHNOLOGY TIMELINES

This exciting timeline series tells the story of modern weapons by tracking the breakthroughs and inventions that have made them possible. Using a highly graphical timeline style, it traces the history of technology that can make the difference between life and death.



Specifications:

Grades 3–6, Ages 8–11

228 x 178 mm (7 x 9 in)

32 pp., 3250 words, 50 photos and artworks

No. of volumes: 6

Key selling points:

- Each spread looks in detail at one key piece of weaponry or hardware.
- A visual timeline, running through the book, shows the chronology.

Volumes:

- Drones and Military Robots
- Fighters and Bombers
- Guns, Rockets, and Missiles
- Helicopters
- Tanks and Armored Vehicles
- Warships and Submarines

THE ATOMIC BOMB

IN 1945 U.S. forces captured islands in the Pacific. They wanted to use them as bases to bring their bombers within range of Japan.

In May 1944 a new long-range bomber entered service. The B-29 Superfortress could fly a distance of 3,250 miles (5,230 kilometers) before it needed to refuel. In 1945 the B29 dropped bombs on cities such as Tokyo. It is best known for dropping the world's first atomic bomb on the city of Hiroshima in Japan, on August 6, 1945. Colonel Paul W. Tibbets Jr. commanded the B-29 Enola Gay that dropped the bomb. The explosion destroyed everything within a 10-mile (16-km) radius. The Enola Gay was rocked by the shock wave from 11.5 miles (18.5 km) away.

THE BODY of the plane had sleeping quarters and a bathroom for the crew.

A TUNNEL above the bomb bays allowed the crew to stand between the front and back of the airplane.

COMPUTERIZED CONTROL SYSTEM allowed a ground and fire control officer to operate the four machine-gun turrets.

INSIDE OUT

NUCLEAR BOMB At the start of World War II, the atomic bomb had not been invented. Scientists working secretly in the United States discovered that by splitting an atom they could make a huge destructive explosion. They made an atomic bomb, which was dropped on Hiroshima.

SPECIFICATIONS

B-29 Superfortress

- Weight: 138,000 pounds (62,600 kilograms)
- Length: 79 feet (24.1 meters)
- Crew: 11
- Main armaments: 8 to 10 M2 Browning machine guns, up to 20,000 pounds (9,000 kilograms) of bombs
- Top speed: 357 miles (574 kilometers) per hour

TIMELINE

1945 **ATTACK ON TOKYO** In March U.S. B-29 Superfortresses flying from bases on Pacific islands drop bombs on Tokyo. The bombs start fires that destroy a large area of the city.

1945 **ATOM BOMBS** In August B-29 Superfortresses drop atomic bombs on Hiroshima and Nagasaki in Japan, forcing the Japanese to surrender.

1947 **SOUND BARRIER** U.S. pilot Charles "Chuck" Yeager flies the Bell X-1, the first jet to fly faster than the speed of sound, or Mach 1.

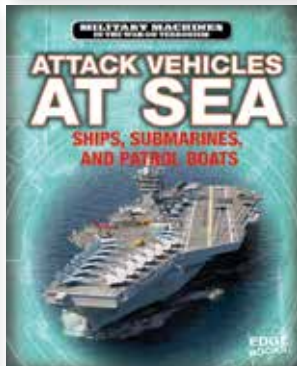
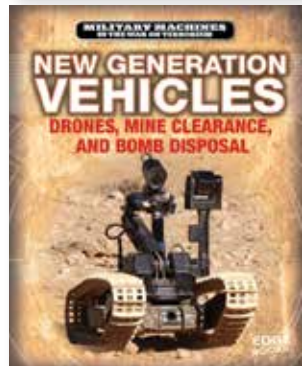
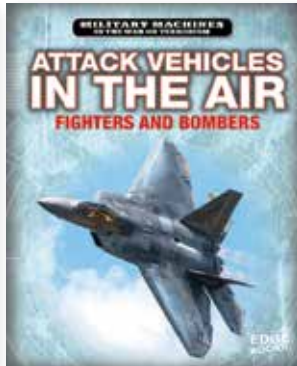
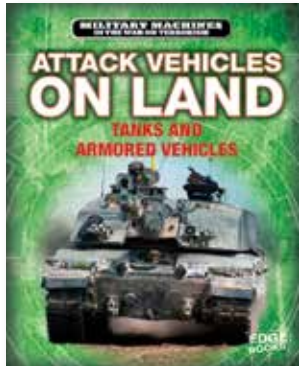
1949 **RELIABLE RIG** The Soviet Union introduces the MiG-15 as its main fighter jet.

atomic—affected by changes in atoms, the smallest particles that exist of any substance

MACHINE GUNS

MILITARY MACHINES IN THE WAR ON TERRORISM

The war on terrorism was launched by the United States in 2001 in response to the September 11th attacks on the World Trade Center and the Pentagon. The hardware used by the US and coalition forces was at the cutting edge of military technology. This series looks at machines in action in some of the most dangerous places on Earth.



Specifications:

Grades 3–5, Ages 8–10

229 x 178 mm (7 x 9 in)

32 pp., 1800 words, 25–30 photos

No. of volumes: 6

Key selling points:

- Intro text describes each machine's role.
- Stat boxes give essential technical specifications.
- Large annotated photos point out key parts of the machine.
- On-the-page glossary boxes explain difficult words as they are encountered.

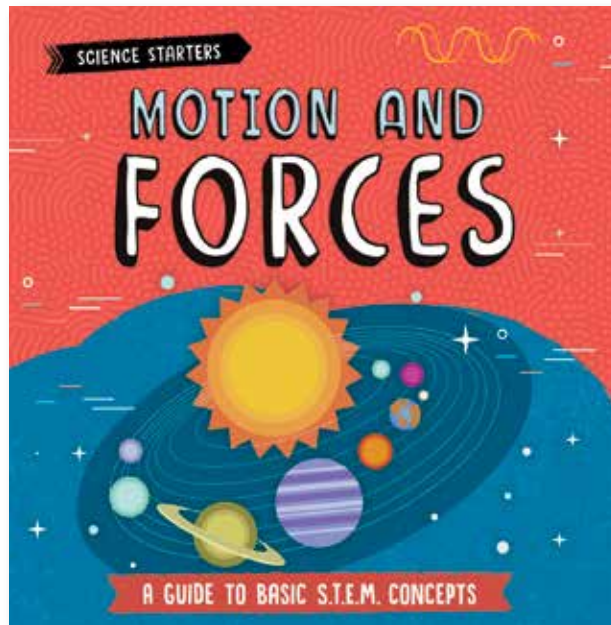
Volumes:

- Attack Vehicles in the Air
- Attack Vehicles on Land
- Attack Vehicles at Sea
- New Generation Vehicles
- Special Forces Vehicles
- Transport Vehicles



SCIENCE STARTERS: A GUIDE TO BASIC STEM CONCEPTS

This beautifully illustrated set of short books gives children an introduction to the key themes in STEM. Short panels of text are linked to artworks and photos, giving a strong visual guide to the concepts. This series will give young readers a firm grounding in the subjects, giving them the confidence and the enthusiasm to take their learning further.



Specifications:

Grades 2–5, Ages 6–9

203 x 203 mm (8 x 8 in)

32 pp., 1200 words, 30–35 photos and diagrams

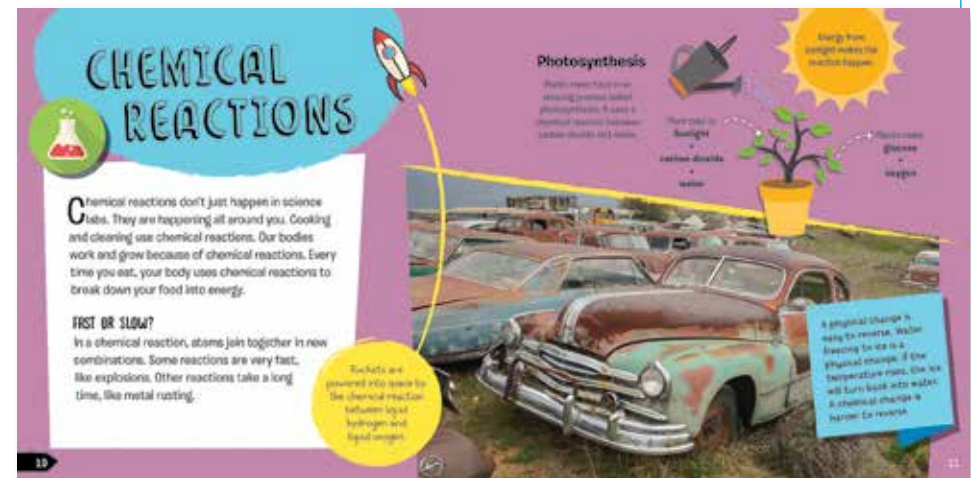
No. of volumes: 6

Key selling points:

- Lively colourful design, mixing photos with attractive artwork.
- Simple descriptions and bite-size boxes of text.
- Fun quiz at the end of each book lets readers test what they've learned.

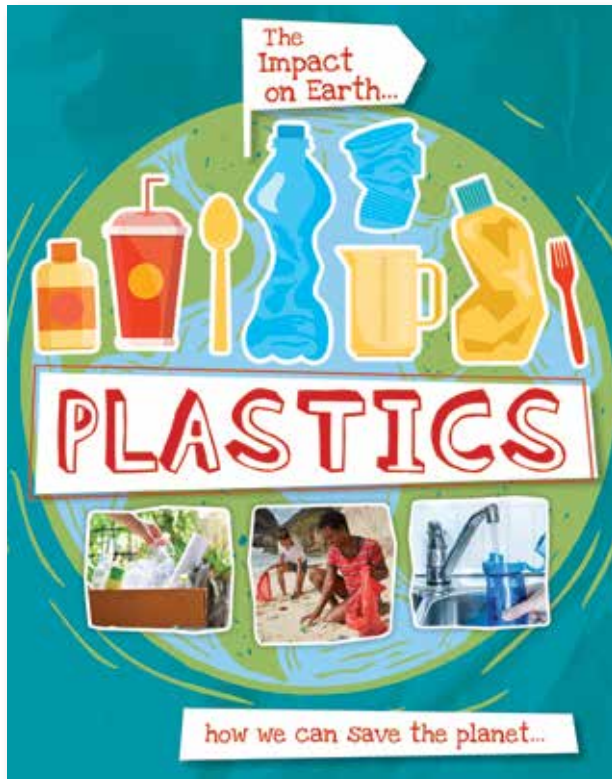
Volumes:

- Electricity and Magnetism
- Human Body
- Light and Energy
- Motion and Forces
- Simple Machines
- States of Matter



IMPACT ON EARTH (HOW WE CAN SAVE THE PLANET)

The modern world is full of remarkable developments that many of us take for granted. But many of these developments come at a cost. This series looks at the benefits of modern developments but also the negative impact on our planet and what we can do to change the situation.



Key selling points:

- Clear, concise text.
- Boxes highlight what readers can do to help.
- Lively and informative graphics.

Volumes:

- Buildings and Cities
- Energy
- Food and Farming
- The Internet
- Plastics
- Travel and Transport

Specifications:

Grades 3–5, Ages 5–8

254 x 203 mm (10 x 8 in)

32 pp., 2500 words, 25–30 photos and diagrams

No. of volumes: 6



Greenhouse Gases

The carbon dioxide (CO₂) that engines produce is a big problem. CO₂ is a gas that you cannot see or smell. It is found naturally in the air. In fact, humans and animals breathe it out as a waste product. But the hundreds of millions of vehicles on the roads are pumping out CO₂ at a higher rate than ever before.

Some of the heat that bounces back into space, while some gets trapped. This is called the greenhouse effect.

Trapping Heat

The carbon dioxide rises up into the atmosphere and stays, forming a sort of blanket around Earth. The Sun's rays travel through the carbon dioxide. But then they get trapped. The gas acts like the glass in a greenhouse, keeping the heat from bouncing back into space. This makes Earth's temperature rise.

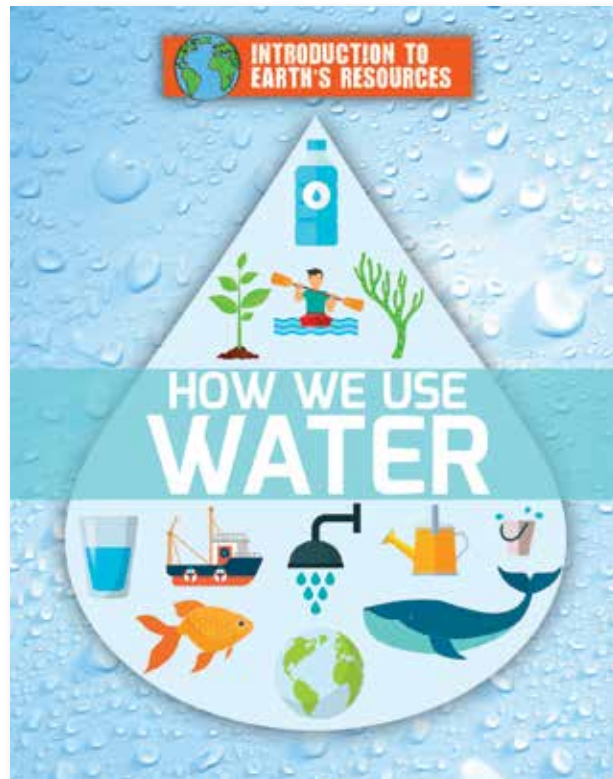
On average, each American is responsible for releasing **15 metric tons** of CO₂ into the atmosphere each year.

Cutting Down

A lot of electricity is made by burning fossil fuels. Using less electricity means less CO₂ is released. Turn off lights and appliances when you are not using them. Only run the dishwasher or washing machine if they are full. Hang clothes outside instead of using a dryer.

EARTH'S RESOURCES

Earth's natural resources are important to our lives. Some are vital; others have transformed the way we live. This series introduces readers to six groups of resources, explaining why they are important, whether or not they are renewable, and what we can do to recycle and reuse them. Each book ends with a checklist of actions that readers can put into practice.



Specifications:

Grades 2-4, Ages 7-9

254 x 203 mm (10 x 8 in)

32 pp., 2500 words, 30-35 photos and diagrams

No. of volumes: 6

Key selling points:

- Lively colourful design.
- Packed with infographic facts and statistics
- Fun quiz at the end of each book lets readers test what they've learned.

Volumes:

- Air
- Food
- Fossil Fuels
- Rocks and Minerals
- Water
- Wood

Growing Crops

A lot of the foods that we eat are plants. They are often grown on farms.

Plants that are grown for food are called crops. Rice, corn, and wheat are types of grain. They are some of the most common crops. Farmers also grow fruits and vegetables. Even drinks like tea and coffee are grown as crops on large farms.



Corn grows from stalks. It takes about three months for a corn grain to be ready to eat.

Farming plants is one of the world's major industries.



More than 40% of the world's calories come from just 3 crops: rice, wheat, and corn.



About 11% of all the land on Earth is used for growing crops.

Some crops are grown in systems called aquaculture that use specially bred fish.

On the Farm

Many crops are grown in large fields. The farmer plants seeds and then waters them as the plants grow. Once the plants are ready, they are harvested. The parts that we eat, such as the grains on a stalk of wheat, are separated from the rest.

Raising Animals

Many people eat meat. The animals that provide meat are raised on farms.

Long ago, people hunted animals to eat. Many people still do this, but most meat now comes from farms. Farmers raise cows, pigs, chickens, sheep, and goats. Some farms raise ostriches or bison! Farmers feed and take care of the animals until the animals are ready to be eaten.

Large numbers of animals are raised on farms around the world.



In some parts of the world, farmers use animals instead of tractors to pull plows.



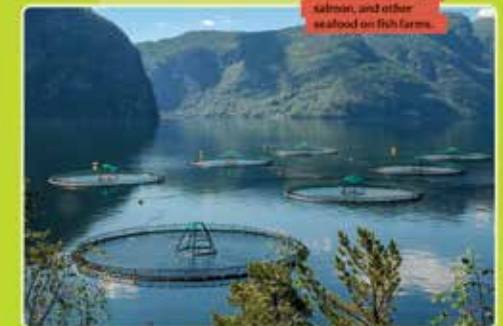
Farmers raise about 66 million chickens every year. That is nearly 9 chickens for every person in the world.



An average dairy cow can produce more than 1,900 gallons (7,000 l) of milk in a year.

More than Meat

We raise farm animals for other reasons, too. Cows and other animals, such as goats, produce milk. We drink milk and also make it into cheese, ice cream, and yogurt. Chickens and ducks produce eggs, and bees make honey.



Farmers raise shrimp, salmon, and other seafood on fish farms.

SPACE FACTS AND FIGURES

From our nearest neighbour in the solar system to distant galaxies and black holes, get the facts and figures about space. This illustrated series gives young readers the lowdown on an always popular subject. Read about mysterious exoplanets, how stars are born and why humans might one day be holidaying in space!



Key selling points:

- Original artworks with a combination of photos and labelled diagrams.
- 'Go Figure' boxes on each spread.
- Each book ends with a fun quiz so readers can test their knowledge.

Volumes:

- Asteroids, Meteors and Comets
- Exploring Space
- Galaxies and Stars
- The Moon
- Planets
- The Sun & The Solar System

Specifications:

Grades 1–3, Ages 6–9

203 x 203 mm (8 x 8 in)

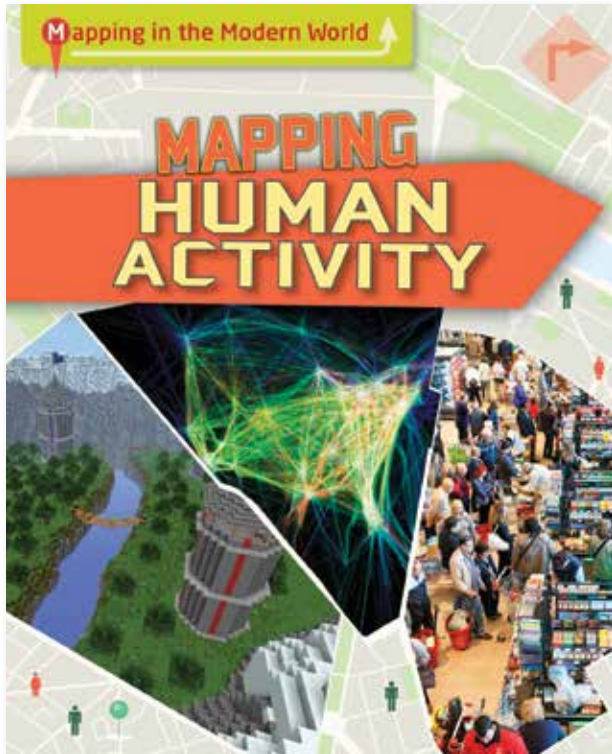
32 pp., 2000 words, 50–60 photos and diagrams

No. of volumes: 6



MAPPING IN THE MODERN WORLD

Maps are changing. Not just a picture of places, modern maps show events and ideas as well. They reveal details of our planet from space and the billions of connections in our brains. Read these books to find out the amazing ways that maps are being used now – and how they might be used in the future.



Key selling points:

- Each book ends with a project-based spread with activities to try.
- Shows how our ways of mapping can change the way we understand the world.

Volumes:

- The Changing Face of Maps
- Mapping Human Activity
- Mapping in a Digital World
- Mapping the Physical World
- Mental Maps and Mapping the Mind
- Mapping the Future

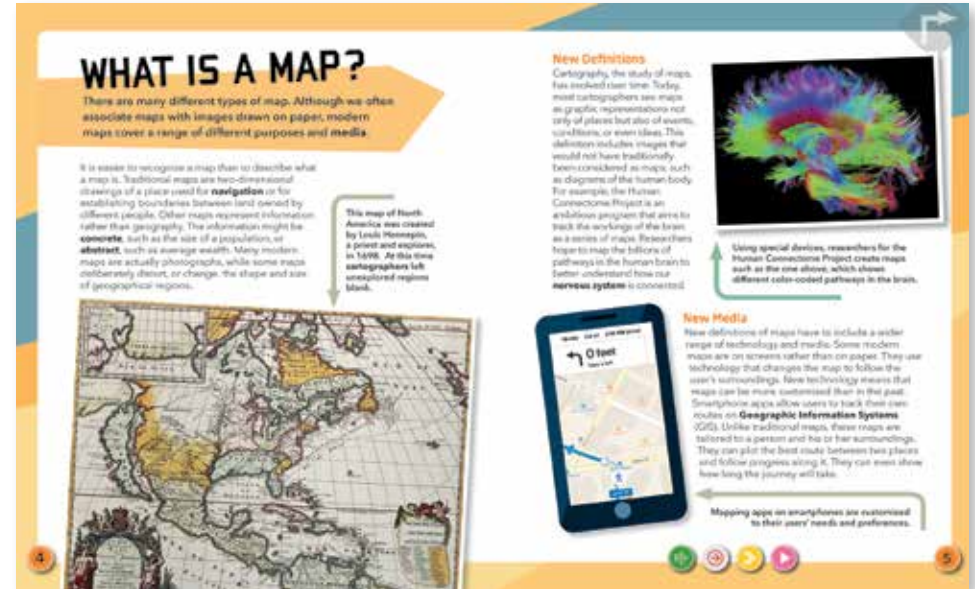
Specifications:

Grades 4–7, Ages 9–12

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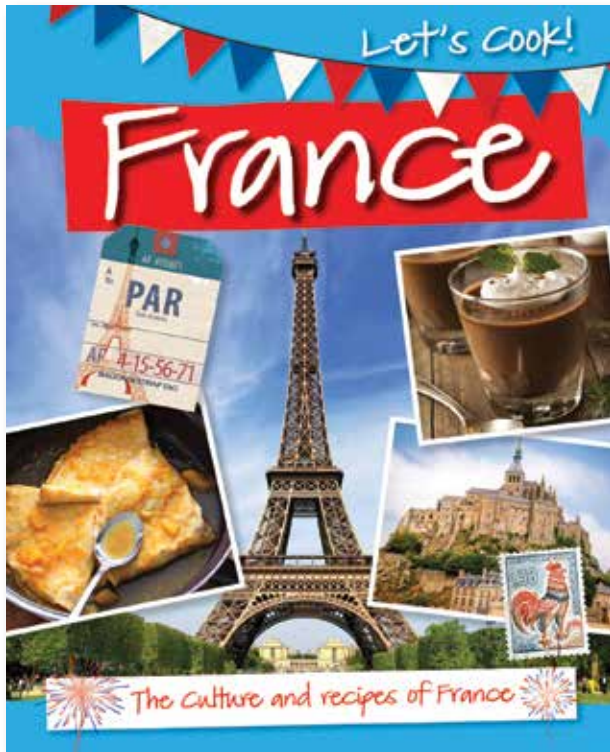
32 pp., 4500 words, 30–40 photos and diagrams

No. of volumes: 6



LET'S COOK! (EXPLORE THE WORLD WITH FOOD)

Let's Cook! is a new way of diving into human geography by exploring the recipes and cultures of six vibrant countries. Discover the dishes that people eat in their daily life and for special celebrations, and learn how to cook them too! Each book includes easy-to-make and delicious recipes and also looks at the culture, geography and history of the nation under discussion.



Key selling points:

- Lively, colourful design.
- Easy-to-follow recipes with step photography.
- Lots of information about how people live and eat in each country.

Volumes:

- China
- France
- India
- Italy
- Japan
- Mexico

Specifications:

Grades 4–7, Ages 9–12

235 x 184 mm (7¼ x 9¼ in)

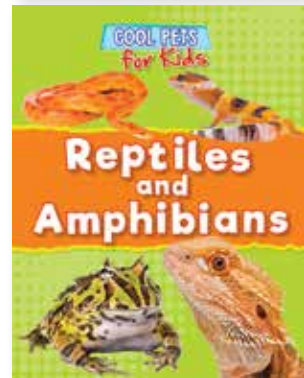
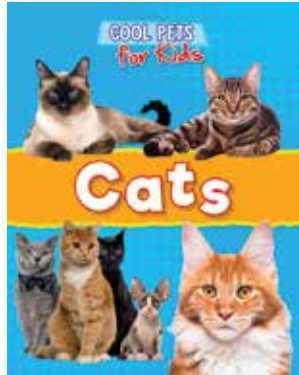
48 pp., 4500 words, 40–45 photos

No. of volumes: 6



COOL PETS FOR KIDS

Whether you own a pet, are thinking of getting one or just want to read about some cool animals, this series is for you. Each book has helpful hints and advice on choosing the pet you need.



Specifications:

Grades 2–6, Ages 7–11

254 x 203 mm (8 x 10 in)

32 pp., 2800 words, 40–45 photos and artworks

No. of volumes: 8

Key selling points:

- Checklists show what you need for your pet.
- Advice on how to choose a pet that fits your family's lifestyle.

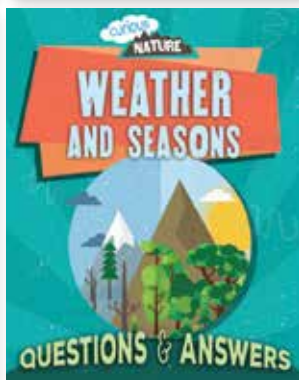
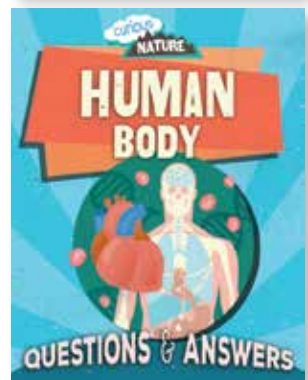
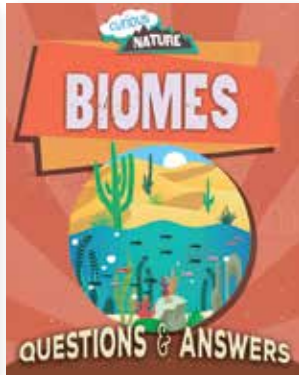
Volumes:

- Birds
- Cats
- Dogs
- Fish
- Horses and Ponies
- Insects and Spiders
- Rabbits, Mice and Rats
- Reptiles, Amphibians and Snakes



CURIOUS NATURE

These fun and fact-filled question-and-answer books are perfect for curious readers. Colourful artworks and carefully tailored text answer the questions that children love to ask about the natural world. From 'Why do zebras have stripes?' to 'Why does my stomach rumble?', some of the answers might surprise you!



Key selling points:

- Accessible text explains concepts.
- Colourful and engaging artworks.
- Each book includes a simple activity for readers to try.

Volumes:

- Animals
- Biomes
- Human Body
- Planet Earth
- Plants
- Weather and Seasons

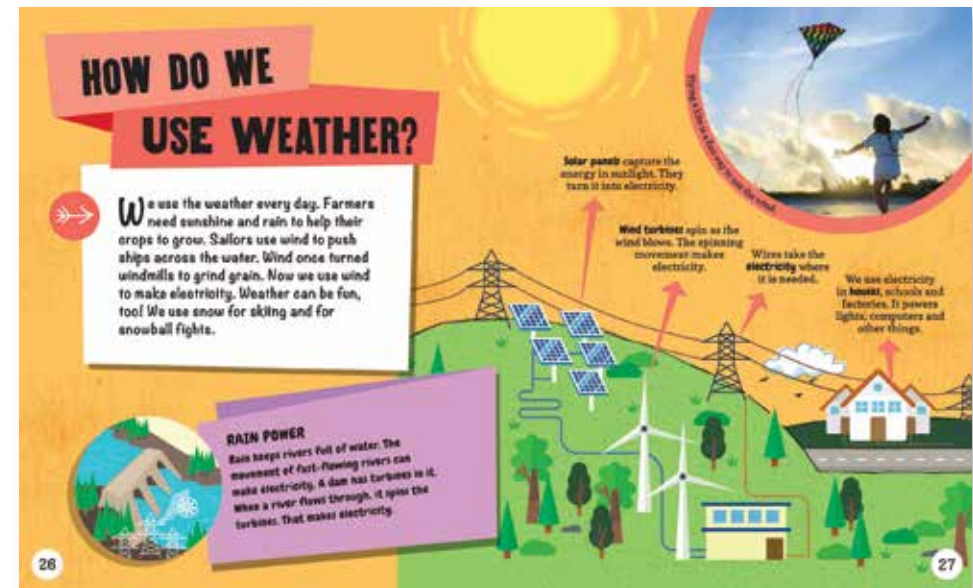
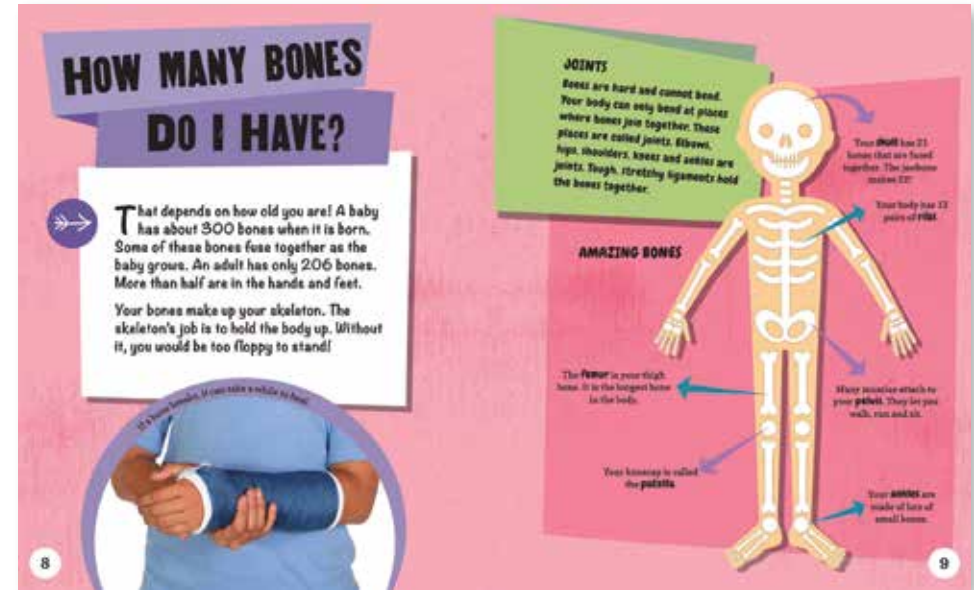
Specifications:

Grades 2–4, Ages 6–9

254 x 203 mm (8 x 10 in)

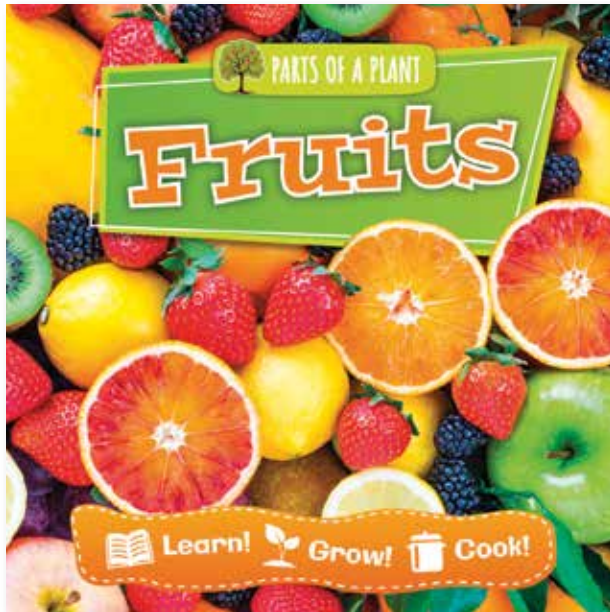
32 pp., 2500 words, 35 artworks and photos

No. of volumes: 6



PARTS OF A PLANT

Find out what the different parts of a plant do, what plants need to grow, how they adapt to different environments and the important role they play in an ecosystem. The series also looks at why plants are important to people – from farm crops to medicines. Each book ends with tips on how to grow plants, and how to cook with them too!



Key selling points:

- Mixes information with practical activities.
- That's Amazing! boxes have unusual examples and amazing stats.
- Includes types of plants from around the world.

Volumes:

- Flowers
- Fruits
- Leaves
- Roots
- Seeds and Beans
- Stems and Shoots

Specifications:

Grades 1–4, Ages 6–9

203 x 203 mm (8 x 8 in)

24 pp., 1500 words, 25–30 photos

No. of volumes: 6



Kinds of roots

Roots come in lots of shapes and sizes. Each type of plant has its own kind of root.

Some plants have lots of tiny roots. They spread out in all directions. These roots are called fibrous roots. Other plants have one long root that is much bigger than all the others. It is called a tap root. It gets water from deep in the ground. Many trees have tap roots.

Grass roots

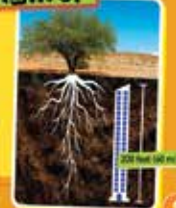
Grass has fibrous roots. The roots are thin and branch out from the stem. They spread out close to the surface. Plants with fibrous roots help to hold the soil together. They stop the soil blowing away.

Carrots

Some tap roots are very tasty! Carrots are one big thick tap root. They grow in the ground, with the leaves and stems poking above the soil. The plant uses its tap root to store food made by its leaves.

THAT'S AMAZING!

It is hard to find water in the desert. Some desert plants have a very long tap root to get to water deep under the ground. The mesquite tree's tap root can grow 200 feet (60 m) deep. That's the size of a 20-story building!



Fruits from warm places

Some fruits need warm weather. They grow in countries where it stays warm all the time.

These countries are in the tropics. The fruits are called tropical fruits. Tropical fruits include melons, bananas, mangoes, and pineapples. Tropical fruits are easily damaged by cold. Even a light frost will kill them.

THAT'S AMAZING!

Oranges, grapefruits, and lemons are citrus fruits. They contain vitamin C, which keeps us healthy. Oranges are the world's most popular fruit. About 70 million tons of oranges are grown each year. That's about 12 oranges for every person in the world!

Most of the world's oranges grow in Brazil.

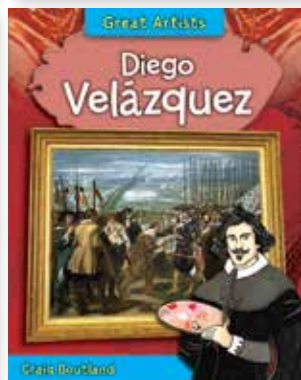
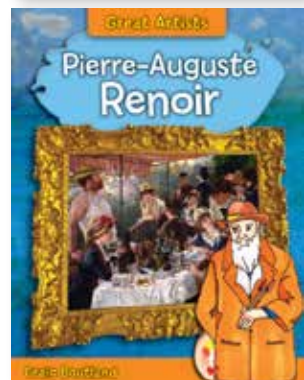
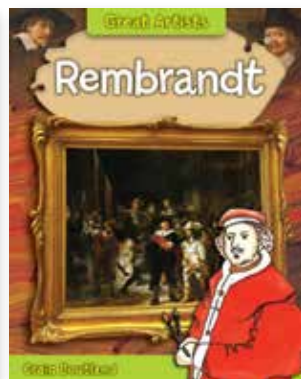
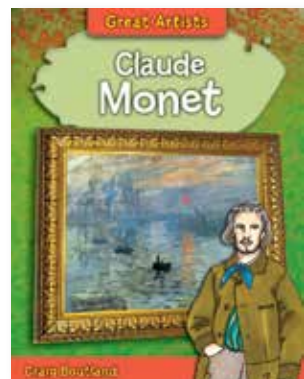
Tropical fruits

Here are some tropical fruits. They grow in tropical places. How many have you tried?



GREAT ARTISTS

These beautiful books introduce readers to the lives and works of great painters. Each title tells the life story of a great artist and examines their techniques. 'Picture in Focus' spreads take a close-up look at some of their best-known works, while a practical spread encourages the reader to try painting in the artist's style.



Key selling points:

- Accessible text and full-colour artworks.
- A charming cartoon of the artist leads the reader through each book.
- Includes a timeline of the artist's life.

Volumes:

- Edgar Degas
- Claude Monet
- Rembrandt
- Pierre-Auguste Renoir
- JMW Turner
- Diego Velázquez
- Mary Cassatt
- Paul Cezanne
- Leonardo Da Vinci
- Edouard Manet
- Georges Seurat
- Vincent Van Gogh

Specifications:

Grades 3–5, Ages 8–10

279 x 216 mm (8½ x 11 in)

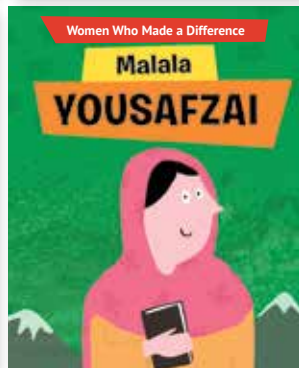
32 pp., 2500 words, 35 photos and artworks

No. of volumes: 12



WOMEN WHO MADE A DIFFERENCE

Read about six inspirational women who changed the world. Faced with challenges, they had to show great strength and stand up for their beliefs. From exploration to education, and from medical care to climate action, meet the women who persisted – and changed history.



Specifications:

Grades 5–7, Ages 10–12

235 x 184 mm (7¼ x 9¼ in)

48 pp., 4500 words, 40 photos and artworks

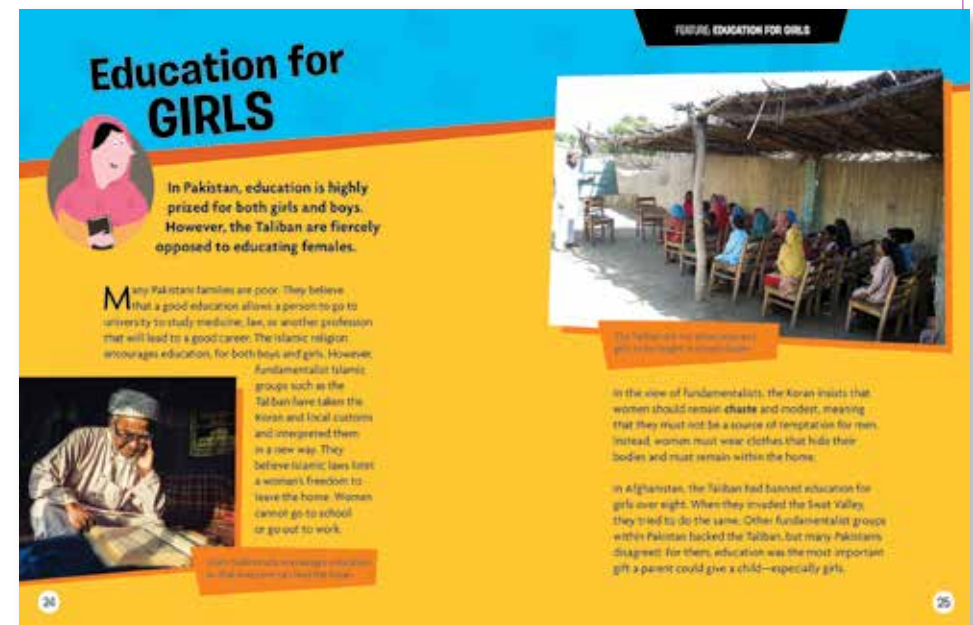
No. of volumes: 6

Key selling points:

- Beautiful artworks bring the characters to life.
- Describes the struggles of important individuals.
- Examines the changing role of women in society.

Volumes:

- Greta Thunberg
- Michelle Obama
- Malala Yousafzai
- Princess Diana
- Amelia Earhart
- Florence Nightingale



MEET THE GREATS

Meet the people who changed history! These colourful books introduce readers to a range of important personalities and their impact on the world. Accessible text, witty cartoon artworks and photographs combine to create reader-friendly biographies.



Specifications:

Grades 5–7, Ages 10–12

235 x 184 mm (7¼ x 9¼ in)

48 pp., 4500 words, 40 photos and artworks

No. of volumes: 18

Volumes:

- Geronimo
- Ruth Bader Ginsburg
- Nelson Mandela
- Kate Middleton
- Michelle Obama
- George Washington
- Anne Frank
- Barack Obama
- Malala Yousafzai
- Princess Diana
- Mahatma Gandhi
- Pope Francis
- Amelia Earhart
- Martin Luther King Jr.
- Mozart
- Florence Nightingale
- Sacagawea
- William Shakespeare



Partition OF INDIA



Tensions had existed between Muslims and Hindus in India since the 1200s, when Muslim rulers set up a kingdom in northern India.

Although Hindus remained in a majority in India, the country was also home to millions of Muslims. Despite their differences, the two groups had mostly lived together peacefully for centuries. In 1905, the British introduced "separate electorates," Muslims and Hindus elected their own representatives to separate government councils. This meant there was no united resistance to British rule. It also helped to increase the divide between the two religious groups.



Gandhi meets the leader of the Indian National Congress.



Millions of people, just as their homes and jobs in India or other parts of India.

As independence came closer, Gandhi argued that both groups could continue to live together in India. However, the leader of the Muslims, Muhammad Ali Jinnah, insisted that Indian Muslims should be given their own country, Pakistan. On its independence, India was split. The new country of Pakistan was carved out of Punjab in the west and Bengal in the east.

Fourteen million people were forced to relocate. Hindus and Sikhs in the north moved south to India, while Muslims in India moved north to Pakistan. Muslims and Hindus fought bitterly. Estimates suggest as many as 2 million people died during Partition. Millions more became homeless refugees.

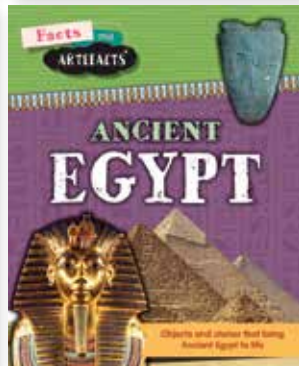
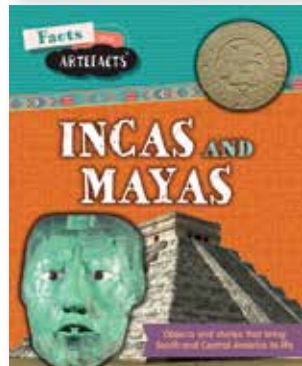
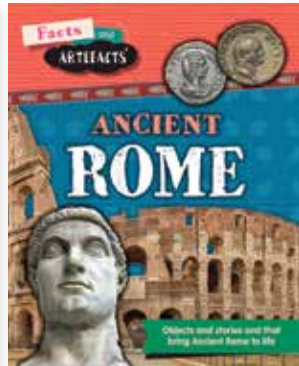
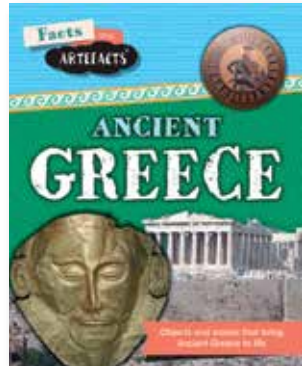
Review:

'These cheerful biographies provide accessible introductions to noteworthy historic figures ...Impeccably organized and smoothly written.'

School Library Connection

FACTS AND ARTEFACTS

One of the best ways to find out how ancient people lived is to study the objects they made. Each of the books in these series looks at 10 artefacts that tell us something about the people who made them. There is also a retelling of a myth that reveals some of the beliefs that were important at the time.



Specifications:

Grades 4–7, Ages 9–12

254 x 203 mm (8 x 10 in)

35 pp., 3500 words, 35 photos, maps and artworks

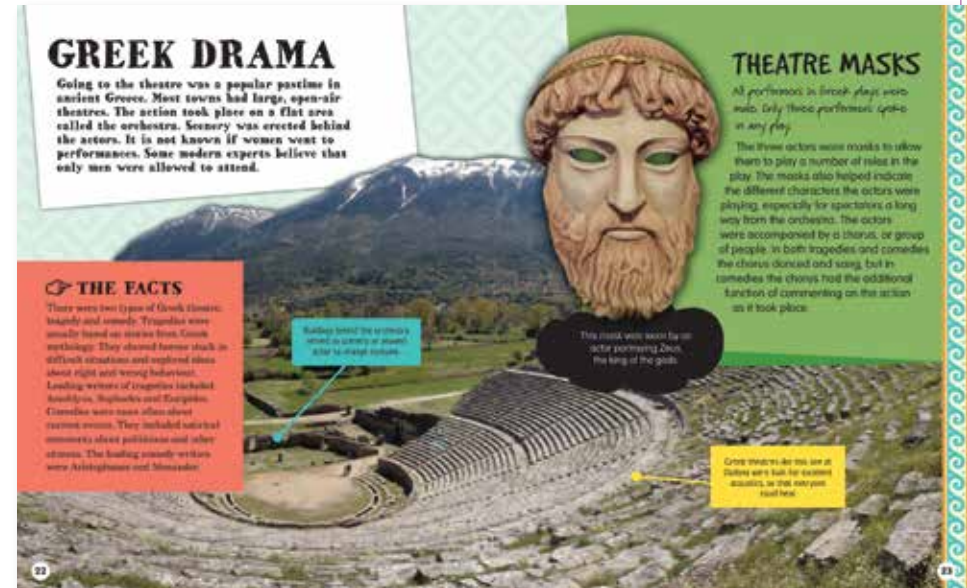
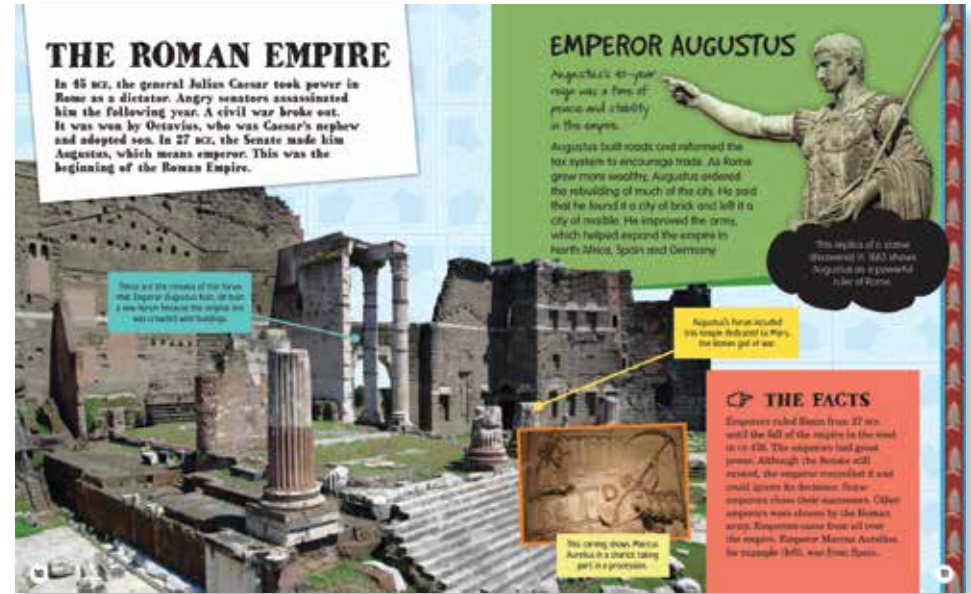
No. of volumes: 6

Key selling points:

- Lively, colourful design.
- A feature about an artefact appears on each spread.
- Each book includes a timeline that traces the history of the culture.

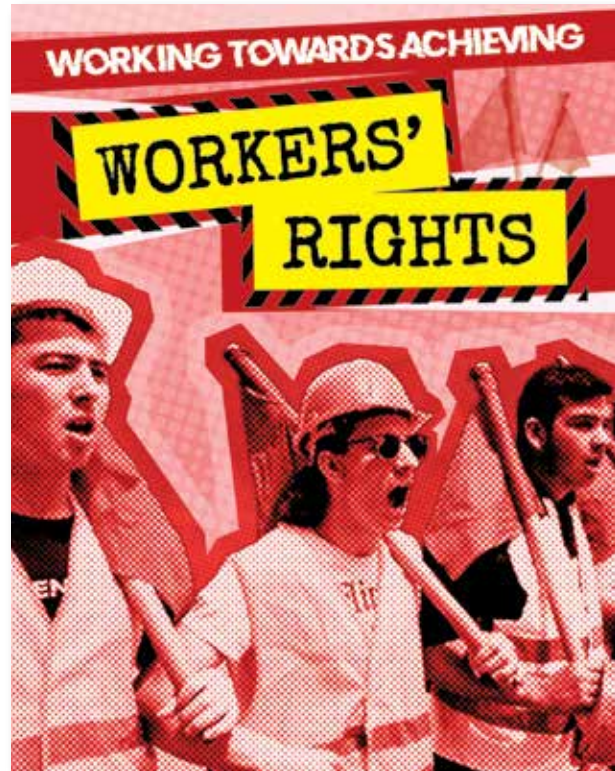
Volumes:

- Ancient Egypt
- Ancient Greece
- Ancient Rome
- Incas and Mayas
- Indus Valley Civilisation
- Shang Dynasty



ACHIEVING SOCIAL CHANGE

Through history, activists have had to fight and protest to bring about social change. This series takes a revealing look at social reform through the lens of activism, introducing the key change-makers and investigating the tactics used to make changes at different times. The journey isn't over, and these books encourage readers to get involved in activism today.



Specifications:

Grades 4–7, Ages 9–12

235 x 184 mm (7¼ x 9¼ in)

48 pp. 5000 words, 40–45 photos and diagrams

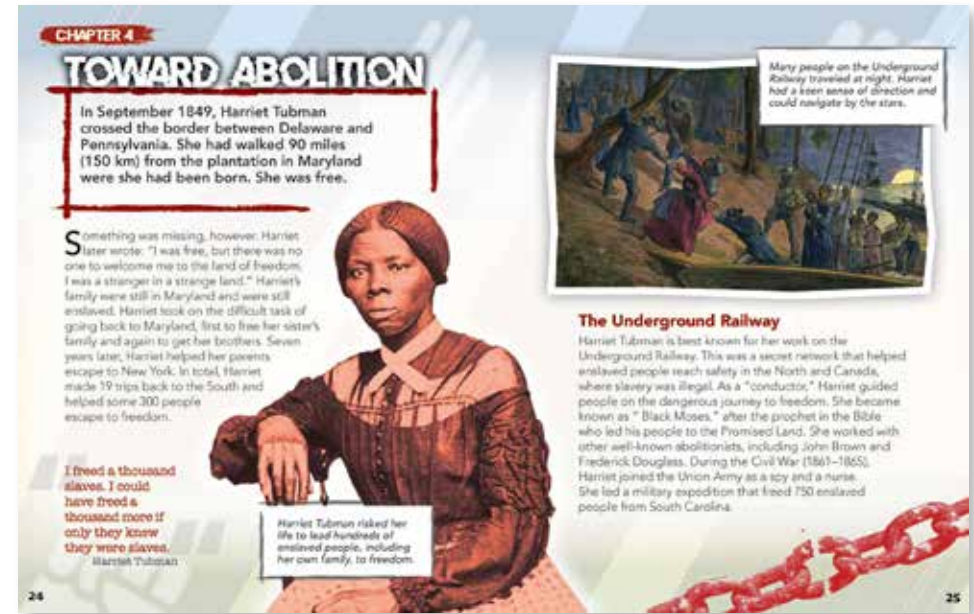
No. of volumes: 6

Key selling points:

- Tells the story of social movements in an engaging way.
- Sidebars feature key people and key events.
- Suggests ways that readers can get involved in social justice movements.

Volumes:

- Abolishing Poverty
- Abolishing Slavery
- Achieving Civil Rights
- Achieving Workers' Rights
- Gaining Equality for Women
- Protecting the Planet



CHAPTER 4

TOWARD ABOLITION

In September 1849, Harriet Tubman crossed the border between Delaware and Pennsylvania. She had walked 90 miles (150 km) from the plantation in Maryland where she had been born. She was free.

Something was missing, however. Harriet later wrote: "I was free, but there was no one to welcome me to the land of freedom. I was a stranger in a strange land." Harriet's family were still in Maryland and were still enslaved. Harriet took on the difficult task of going back to Maryland, first to free her sister's family and again to get her brothers. Seven years later, Harriet helped her parents escape to New York. In total, Harriet made 19 trips back to the South and helped some 300 people escape to freedom.

I freed a thousand slaves. I could have freed a thousand more if only they knew they were slaves.

24

25

The Underground Railway

Harriet Tubman is best known for her work on the Underground Railway. This was a secret network that helped enslaved people reach safety in the North and Canada, where slavery was illegal. As a "conductor," Harriet guided people on the dangerous journey to freedom. She became known as "Black Moses," after the prophet in the Bible who led his people to the Promised Land. She worked with other well-known abolitionists, including John Brown and Frederick Douglass. During the Civil War (1861–1865), Harriet joined the Union Army as a spy and a nurse. She led a military expedition that freed 750 enslaved people from South Carolina.

An Organized Movement

The Underground Railroad was part of a group of campaigns loosely organized into what is known as the Abolition Movement. It called for the complete ending of slavery.

One of the most prominent abolitionists was Frederick Douglass. He had been an enslaved person in Maryland until he escaped in 1838 by disguising himself as a sailor and catching a train to New York City. Douglass moved to New Bedford, Massachusetts, and became a preacher. He began to attend abolitionist meetings and was invited to describe his own experiences. Douglass was a powerful speaker and was often attacked by white audiences.

Frederick Douglass was a leading abolitionist and also supported women's rights, particularly their right to vote.

KEY EVENTS

Harriet Beecher Stowe

In 1852 Harriet Beecher Stowe published 'Uncle Tom's Cabin.' The novel described the suffering of an old slave named Tom. It sold 500,000 copies in the United States in the first year. The book was used to inspire abolitionists to support the outbreak of the Civil War when it started in 1861.

24

25

Rescue of a Slave

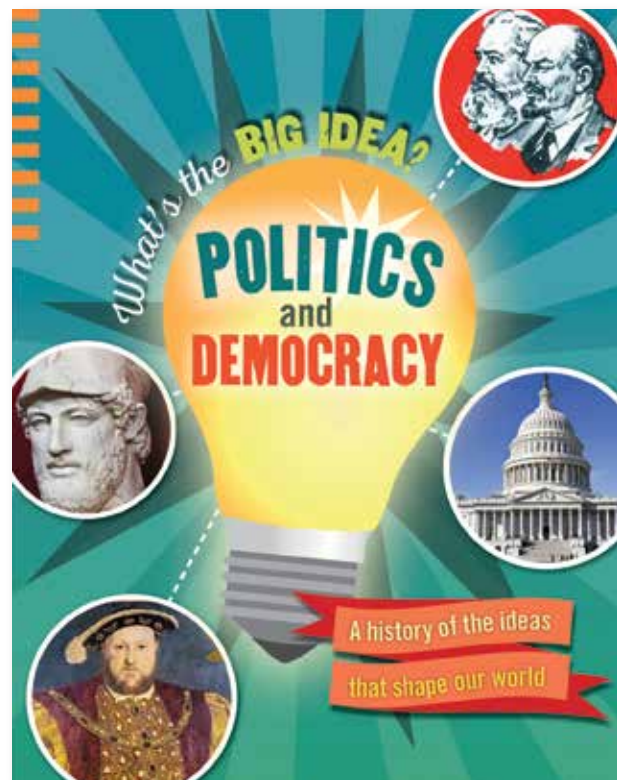
Another leading abolitionist was Charles Henry Langston. The son of a white plantation owner and a former enslaved person, Langston studied at Oberlin College in Ohio. Later he set up a school for African American children. In 1858, he took part in the rescue of John Price, a runaway enslaved person who had been captured by federal marshals. Langston was part of a crowd of Oberlin residents who rescued Price and arranged for him to be taken to freedom in Canada. Langston was singled out as a ringleader of the rescue and went to trial. He turned the trial into a rallying call for black rights, speaking out against the inequalities and injustices suffered by African Americans.



A number of Price's rescuers, above, were captured. Langston, with his hat across his chest, was sent to trial.

WHAT'S THE BIG IDEA?

What is a country? Why do we vote? When was money invented? This fascinating series asks and answers some big questions about the ideas that shape our world. A witty design and colourful infographics help bring each topic to life. Each book provides a snapshot of how things work around the world today.



Specifications:

Grades 6–8, Ages 11–13

235 x 184 mm (7¼ x 9¼ in)

48 pp., 5000 words, 40–45 photos and artworks

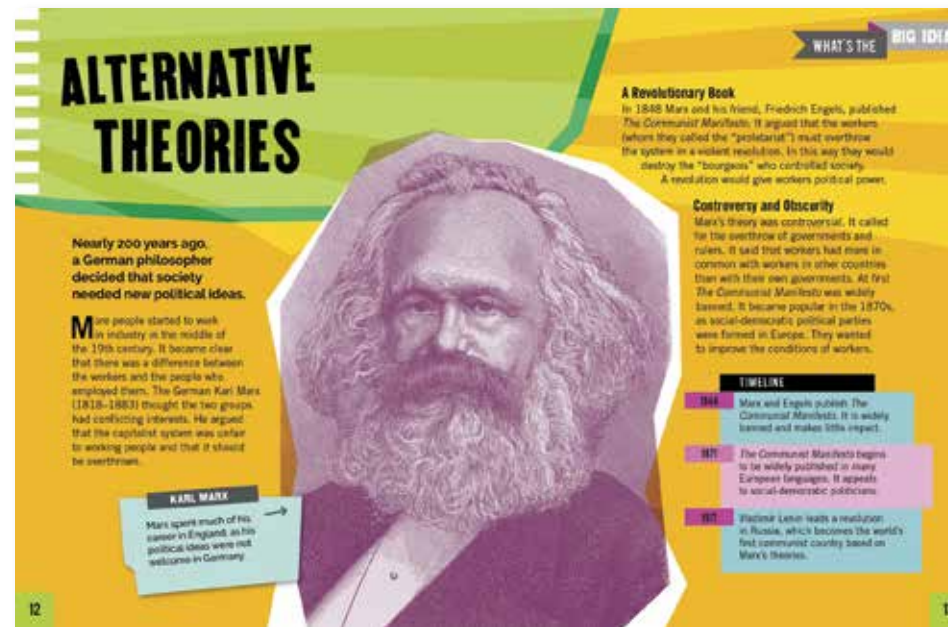
No. of volumes: 6

Key selling points:

- Accessible text, clearly written.
- Lively design and colourful photos.
- Infographics, charts and lists provide information at a glance.

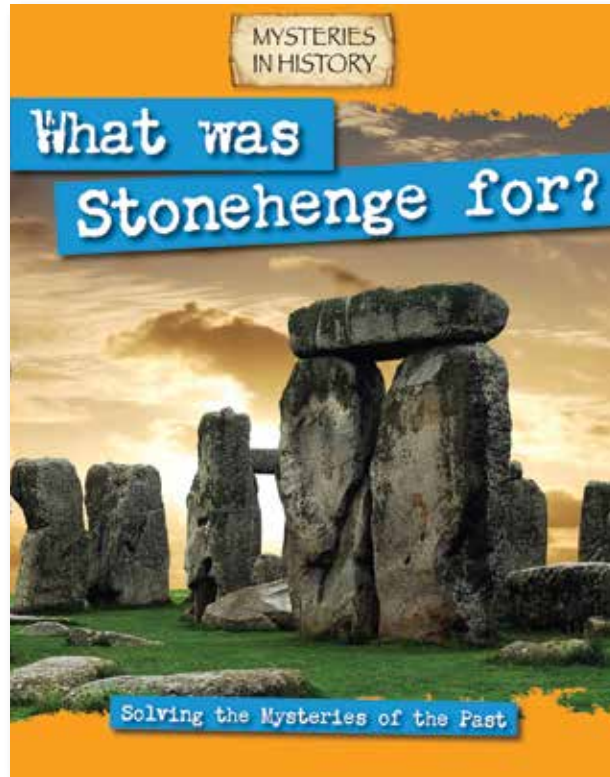
Volumes:

- Human Rights
- Knowledge and Education
- Money and Trade
- Nations and Nationality
- Politics and Democracy
- Society and Social Organization



MYSTERIES IN HISTORY

Some mysteries refuse to give up their secrets. This series examines some enduring mysteries to discover what we know and what still waits to be explained. Readers learn about ancient cultures and follow the process of discovery by which we try to answer important questions about the past.



Specifications:

Grades 5–7, Ages 9–12

235 x 184 mm (7¼ x 9¼ in)

48 pp., 4500 words, 40–45 photos and artworks

No. of volumes: 6

Key selling points:

- Explores evidence from the past.
- Explains how archaeologists and historians try to solve mysteries.

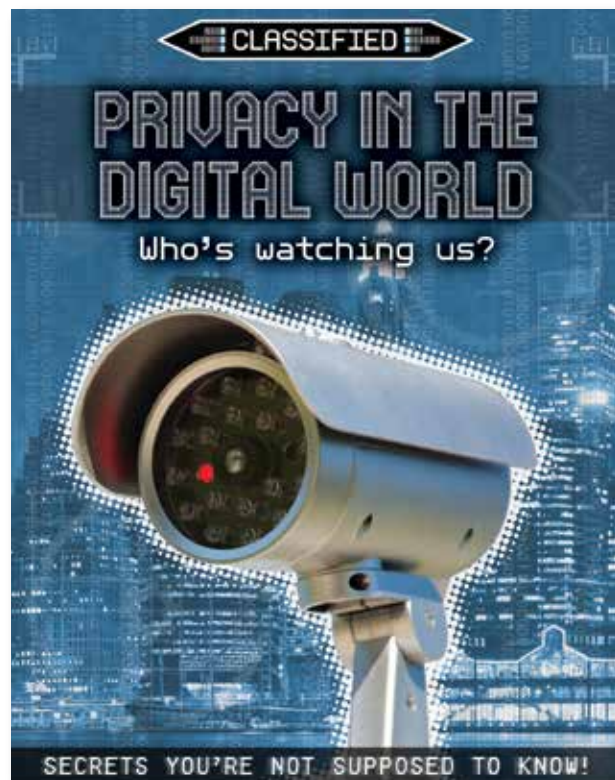
Volumes:

- What was Stonehenge for?
- Who Built Machu Picchu?
- What were the Pyramids?
- What Became of the Aztec Cities?
- What Happened to Pompeii?
- How did Rome Rise and Fall?



CLASSIFIED

A revealing and thought-provoking glimpse into the shadowy world of ‘fake news’, espionage, video surveillance and conspiracies. From data mining to the dark web, and big business to government agencies, uncover the secrets that we are not supposed to find out – and what ‘they’ know about ‘us’.



Specifications:

Grades 7–9, Ages 12–14

235 x 184 mm (7¼ x 9¼ in)

48 pp., 5000 words, 40–45 photos

No. of volumes: 6

Key selling points:

- Accessible text, clearly written.
- Gripping stories and real-life cases grab the attention.
- Feature boxes highlight areas of controversy or interest.

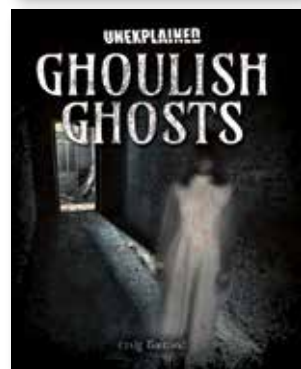
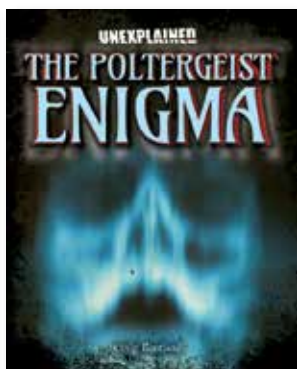
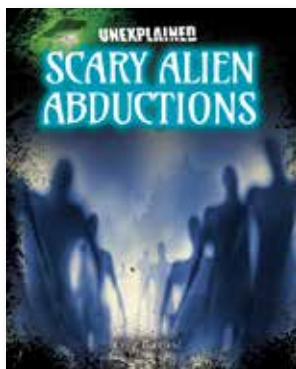
Volumes:

- Privacy in the Digital World
- Conspiracies
- Intelligence Agencies
- Business and Big Data
- The Underworld
- The Dark Web



UNEXPLAINED

This exciting series takes a fresh look at some high-interest topics. Much of what we know about these subjects can be explained, but a lot remains a mystery. The books examine the evidence in an exciting, readable style that makes each title an absorbing narrative read.



Key selling points:

- Ever-popular high-interest subjects.
- Evocative images set the mood.
- Text is carefully judged for the reading level

Volumes:

- Bloodthirsty Vampires
- Ghoulish Ghosts
- The Poltergeist Enigma
- The Roswell UFO Mystery
- Scary Alien Abductions
- Spontaneous Human Combustion

Specifications:

Grades 4–5, Ages 9–10

229 x 178 mm (7 x 9 in)

32 pp., 2000 words, 20 photos

No. of volumes: 6



Mystery Lights

Sometimes mysterious lights make people think there may be ghosts nearby. Dudleytown, also in Connecticut, was built in the 1740s. The town was abandoned in the 1800s, and no people have lived there since. Rumors began that it was haunted. Some visitors to the town in the 1980s claimed to have videos showing ghostly glowing circles of light. Because of the number of people who came to see Dudleytown, it has now been closed to visitors.

What is it about some places that seems to attract ghosts or make them appear? Is it the bad things that have happened to them in a particular place? Some people think these ghosts have become part of the building and can never leave. Whatever the reason, there is no doubt that people have seen unexplained things in many old buildings.



THE LIVING PLANET

For customers who prefer longer series, Brown Bear Books has curated a programme of 30 beautiful short books, drawn from our most popular series. The Living Planet offers a perfect introduction to the wonders of the living world for younger readers. The series looks at habitats, animal adaptations, life cycles, plant biology, and takes a look at some endangered animals and efforts to save them. Information has been carefully graded for the age group, and the engaging text is accompanied by stunning photographs.

Activities at the end of each book builds on what children have read. There are ample suggestions for keen readers to expand their knowledge, with websites, places to visit, and books to read.

A perfect collection for home or school use.

Volume titles

- The Deep Sea • Deserts • Frozen Lands
- Grasslands • Mountains • Rainforests
- Escaping Predators • Marvellous Movers • Super Senses
- Camouflage • Working as a Team • Living in Extremes
- Insects: Butterflies • Birds: Ducks
- Amphibians and Reptiles: Frogs • Mammals: Lions
- Fish: Salmon • Plants: Sunflowers
- Flowers • Fruits • Leaves
- Roots • Seeds and Beans • Stems and Shoots
- Bengal Tigers • Chimpanzees • Green Sea Turtles
- Orangutans • Polar Bears • Sea Otters

Specifications:

30 volumes

Age range: Grades 1–4, Ages 6–9

Format: 203 x 203 mm (8 x 8 in)

Each volume: 24 pp., 1500 words, 20–25 photos, maps and artworks



THE WORLD AND THE UNIVERSE

This extended series of 12 absorbing books takes readers on a journey through the wonders of our planet and on into space. Discover facts about Earth, from the highest mountains to the ocean depths. And explore the Universe, with books that look at the Sun, planets, and comets, asteroids, and meteors. Short panels of text and fact files present information in a friendly and accessible way. Annotated photos add another layer to learning. Each book has a quiz at the so that readers can test their knowledge.

Volume titles

- Biomes • Mountains • Oceans, Rivers and Lakes
- Using Maps • Volcanoes and Earthquakes • Weather and Seasons
- The Sun and Other Stars • The Moon
- Exploring Space • The Inner Planets • The Outer Planets
- Comets, Asteroids and Meteors

Specifications:

12 volumes

Age range: Grades 2–4, Ages 6–9

Format: 229 x 178 mm (7 x 9 in)

Each volume: 24 pp., 700 words, 20–25 photos, maps and artworks



THE WORLD AND THE UNIVERSE



SAY HELLO TO SCIENCE

Take a first step into science with this collection of 18 highly illustrated books. Titles cover a basic introduction to key scientific concepts, a dive into the basic technology that powers practically all our machines, and an attention-grabbing question-and-answer approach to nature. Information is presented in carefully graded short pieces of text, accompanied by appealing graphics and carefully chosen photographs. Quizzes let readers test their knowledge in a fun way, and there are plenty of suggestions for exploring the topics through websites and other books.

Volume titles

Scientific principles

- Electricity and Magnetism • The Human Body • Light and Energy
- Motion and Forces • Simple Machines • States of Matter

Basic technology

- Levers • Pulleys • Ramps
- Screws • Wedges • Wheels and Axles

Life on Earth

- Animals • Biomes • Human Body
- Planet Earth • Plants • Weather and Seasons

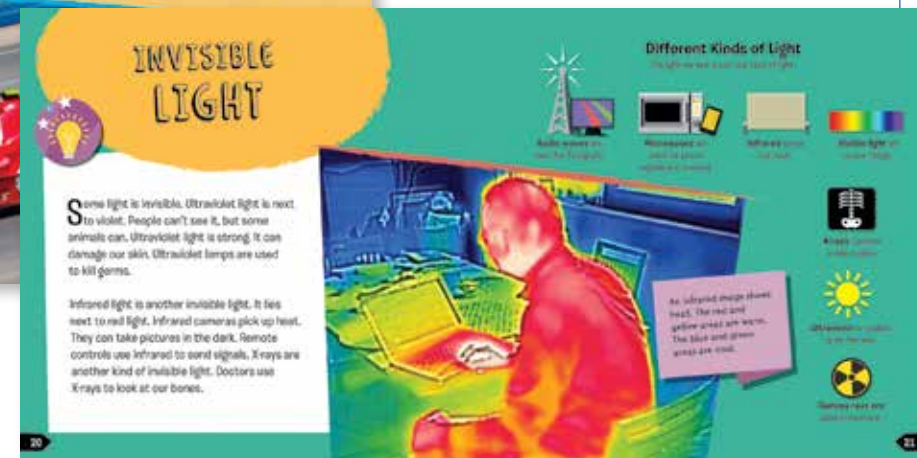
Specifications:

18 volumes

Age range: Grades 1–4, Ages 6–9

Format: 203 x 203 mm (8 x 8 in) / 254 x 203 mm (8 x 10 in)

Each volume: 24 to 32 pp, 1500–2500 words, 25–35 photos, maps and artworks



TAKING CARE OF OUR PLANET

The challenges facing our planet seem enormous, with climate change, destruction of habitats, and global warming. But we can all do our bit to help. The twelve books in this extended series will arm readers with information to understand the impact of human activities on our planet and the importance of Earth's resources. They also provide simple, practical steps that everyone can take to reduce our impact, conserve precious resources, and protect our environment. Infographics, statistics, and facts make the information easy to digest. Quizzes and checklists help readers choose a more sustainable lifestyle.

Volume titles

Impact on Earth

- Buildings and Cities • Energy • Food and Farming
- The Internet • Plastics • Travel and Transport

Earth's Resources

- Air • Food • Fossil Fuels
- Rocks and Minerals • Water • Wood

Specifications:

Number of volumes: 12

Age range: Grades 3–5, Ages 5–8

Format: 254 x 203 mm (10 x 8 in)

Each volume: 32 pp., 2500 words, 25–30 photos and diagrams



Taking care of our Planet

Growing Crops

A lot of the foods that we eat are plants. They are often grown on farms. Plants that are grown for food are called crops. Rice, corn, and wheat are types of grains. They are some of the most common crops. Farmers also grow fruits and vegetables. Even drinks like tea and coffee are grown as crops on large farms.

Farming plants is one of the world's major industries.

- More than 90% of the world's calories come from just 3 crops: rice, wheat, and corn.
- About 11% of all the land on Earth is used for growing crops.

On the Farm
Many crops are grown. The farmer plants seeds. As the plants grow, they are harvested. Some crops are eaten, such as the grain. Some are separated from the grain to make products like flour.



Raising Animals

Many people eat meat. The animals that provide meat are raised on farms.

Long ago, people hunted animals to eat. Some people still do this, but most meat now comes from farms. Farmers raise cows, pigs, chickens, sheep, and goats. Some farms raise chickens or turkeys. Farmers feed and take care of the animals until the animals are ready to be eaten.

Huge numbers of animals are raised on farms around the world.

- The world's farmers raise about 66 million chickens every year. That's nearly 9 chickens for every person.
- An average dairy cow can produce more than 1,000 gallons (3,000 liters) of milk in a year.

Some parts of the world have a lot of animals that are raised on farms.

Many people raise animals for other reasons, too. Cows and other animals, such as sheep, produce milk. Milk can be drunk or made into cheese, ice cream, or yogurt. Chickens and ducks produce eggs, and bees make honey.



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