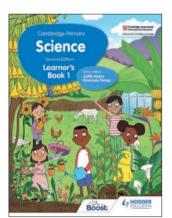


We are working with Cambridge Assessment International Education to gain endorsement for this forthcoming series.

Master the essential scientific concepts that underpin the new Cambridge Primary Science curriculum framework (0097) from 2020, with specifically sign-posted tasks, activities and investigations rooted in the mastery approach.

	Learner's Book £13.50 March 2021	Boost eBook £9 for 1-year access March 2021	Workbook £6.50 June 2021	Teacher's Guide with Boost subscription £150 for access until 2026 July 2021
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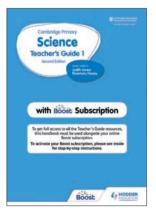
^{*} Age ranges are for guidance only



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We're here to help!

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Cambridge Primary

Science

Second Edition

Learner's Book 1

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How to use this book

Being a scientist

How do you think and work like a scientist?

Biology

Unit 1 Alive or not alive?

Unit 2 Plants

Unit 3 Ourselves

Quiz 1 Biology

Chemistry

Unit 4 Material properties

Quiz 2 Chemistry

Physics

Unit 5 Forces

Unit 6 Sound

Unit 7 Electricity and magnets

Quiz 3 Physics

Earth and space

Unit 8 Planet Earth

Unit 9 Earth in space

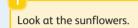
Quiz 4 Earth and space

Science dictionary

How to use this book

This book will help you learn about Science in different ways

Talk about what you remember or know about a topic.



- a Which sunflower is alive sunflower A or B?
- b Which sunflower has never been alive?



Think about the work you did on the five senses. Which of your senses do you use to listen to sounds?

sight

(hearina)

smell

Which part of your body do you use to

We hear with our ears. We listen to sounds using our ears.



Do activities to learn more. Work like a scientist.

> Learn new ideas about Science.

Think like a scientist!

Plants are living things because they:

- move
- make their own food
- need light, air and water to grow
- make young plants.



Let's talk

What did you see on your hands with the magnifying glass?

Talk about your ideas.

Understand new words. The *Science dictionary* at the back of the book can also help you.

Science words

force push pull

Learn about interesting facts and information.

Did you know?

Some humans look the same. They are called twins. These

girls are twins.



stem

Work safely!

Only put a plug into an electrical socket. Nothing else! The electricity could hurt you.

Always work safely.

What can you do?

You have learnt about plants. You can:

- ✓ tell what is alive and what has never been alive.
- ✓ say why plants are living things.
- ✓ name the different parts of a plant.
- ✓ tell someone how to grow seeds into plants.
- ✓ tell someone what they need to do to keep a plant alive.



Challenge yourself!

At home, ask someone to help you learn these words:

leaf

flower

roots

Try something new.

Find out how much you have learnt and what you can do.

Learn how we all use Science every day in our lives.

Hi. I am

Jasmine.

Model icon

Shows you are making a model of something in the real world.



Science in context

How to look after a kitten

Jasmine wants a baby cat for a pet.

A baby cat is called a kitten.

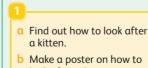
Her Mum and Dad said that lasmine can have a kitten if she finds out how to look after it.

What does Jasmine need to know?



- Does a kitten need to eat food? What food does a kitten eat?
- Does a kitten need to drink? What does a kitten drink?
- Does α kitten need to sleep? Where should it sleep? What kind of bed does it need?

What else does a kitten need?







Star icon

Shows you need to think and work like a scientist.



Shows you are learning things that link to another subject.



Earth in space

Planet Earth

What do you remember about the Earth, planets and space?

What do you know about the planets and space? Did you learn what you know from school, books, videos, TV or the internet?

Think like a scientist!

We live on Earth.

The Earth is a planet in the **Solar System**.

This is what the Earth looks like from space.

The Earth is our home.





Let's talk



- a What do you notice about the picture of the Earth?
- b What shape is the Farth?
- c What is the blue?
- d What is the green?
- e What is the white?
- f What is the brown?

Science words

Solar System space

Science in context

Is the Earth flat or a sphere?

Science word sphere

1

Look at these two pictures of the Earth.

Which one is the correct picture of the Earth? Why?



Do you think the Earth is flat?



Is the Earth flat?



Do you think the Earth is a **sphere**?

Is the Earth a sphere, like a ball?



Did you know?

Hundreds of years ago, people did not know that the Earth is a sphere. They thought it was flat. They also thought they could fall off the edge of the Earth. How strange! What do you think?

Planet Earth

Think like a scientist!

find places on our planet. Here is a globe. It shows what the Earth looks like. It also

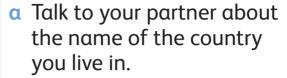
shows where places are on the Earth.

People can use a globe to



Science word globe

Let's talk



- b Write the name of your country on a piece of paper or a whiteboard.
- c Use the globe to find the country you live in.

1

You will need...

- globe
- small plastic person
- sticky tac
- a Use the globe to find the country that you live in.
- b Use sticky tac to put the small plastic person on the globe.
- c Look at the names of the countries that are next to the country you live in.
- d What else can you find out by looking at the globe of the Earth?



Living on the Earth

Think like a scientist!



Do you remember what humans and other animals need to live?

They need air, water, food and shelter.

Plants need air, water and food to live.

They also need light and warmth.

The Sun gives the Earth heat and light.

Around the Earth is air.

We need air to breathe, to help us keep alive.

The Earth is a wonderful place to live. We must take care of it.



Let's talk

- a Where is your favourite place on Earth?
- b What is your favourite animal on Earth?
- c What is your favourite plant on Earth?
- d What do you like best about where you live?

Challenge yourself!

The Earth is the only planet in the Solar System where we can live.
What can you do to take care of our planet?

Science word

air

The Sun

Think like a scientist!

Did you know that the Sun is a **star**?

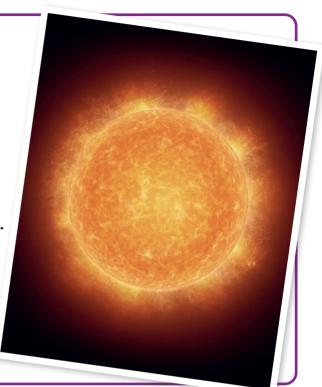
A star is a huge, **spinning** ball of very hot gases.

It does not look very big, but more than 1 million Earths could fit inside the Sun.

The Sun gives the Earth heat and light. I wonder if we can live on the Sun?

Work safely!

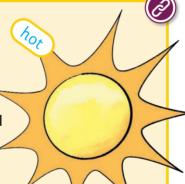
Never look directly at the Sun. It can hurt your eyes.



Draw a Sun

with rays.

On each ray, write what you know about the Sun.



Let's talk

- a What is the Sun like?
- b Why is the Sun important?
- c What do you think would happen if our Sun stopped shining?

Challenge yourself!

Find out more about the Sun. Write what you find out on your Sun picture.



I wonder what it would be like to live on the Sun?

Science words star spinning

Science in context

Astronomers



Hi, my name is Roberto. **Astronomy** is my hobby.

At night, I look through my **telescope** to see the planets
and stars.

I can see **constellations** (say: con-stel-**lay**-shuns). They are groups of stars that make a shape in the sky.

What can you see in the sky at night? An **astronomer** studies planets in the Solar System, and stars that are far away (say: as-**tron**-o-mer).



▲ This constellation is called Scorpio. Can you see the scorpion's tail?



This constellation is called Orion. It is the hunter. Can you see the hunter's bow?

Challenge yourself!

Look at the stars tonight. Then tell your class what you saw.

Science words

astronomy telescope constellations astronomer



What have you learnt about the Earth in space?

1

What does the Earth look like from space?

a square

flat

a triangle

a sphere

2

Which sentence is true?

- α The Sun is α planet.
- b The Sun is α moon.
- c The Sun is a star.

3

a Is an astronomer a scientist?

Yes

No

- b Write a sentence to say what an astronomer does.
- c What shape does this constellation make?



What can you do?

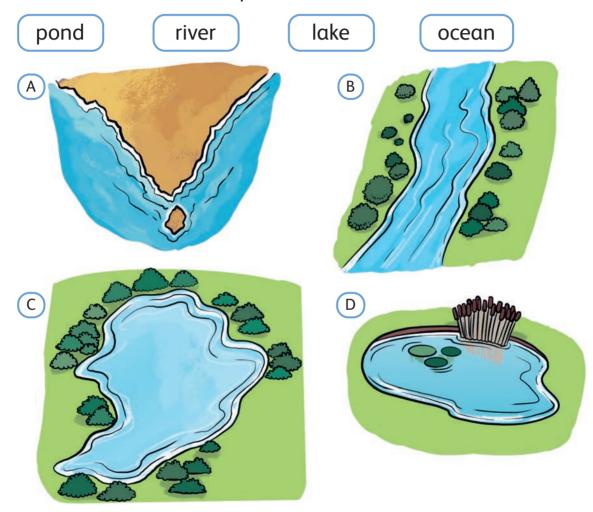
You have learnt about the Earth in space. You can:

- ✓ say which planet you live on.
- ✓ describe what the Earth looks like from space.
- ✓ say what gives the Earth heat and light.
- ✓ say if the Sun is a star or a planet.
- ✓ say what an astronomer does.
- ✓ say what people hundreds of years ago thought the Earth looked like.



Earth and space

- 1 Which sentences are true?
 - a The Earth is made from rock.
 - **b** Soil is made from paper.
 - c Soil is made from tiny bits of rock.
- 2 Match the name to the picture.



- 3 Write your name and school address. Write which planet your school is on.
- 4 What gives the Earth light and heat?

Cambridge Primary

Science

Second Edition

Learner's Book 1

Master the essential scientific concepts that underpin the new Cambridge Primary Science curriculum framework, with specifically sign-posted tasks, activities and investigations rooted in the mastery approach.

- Get learners thinking scientifically, with engaging activities designed to show Science in Context; including topics on how science is used in the home and the impact it has on our environment.
- Focus on key concepts and principles with starter activities at the beginning
 of each unit, allowing teachers to establish current knowledge and plan
 future lessons.
- Extend learner's knowledge with 'Challenge yourself!' activities to push problem-solving further.



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