



# Water on Earth

Earth and Space Sciences



Written for the Australian Curriculum: Science

Sienna Osborne | Randall Hall | Richard John

## AUSTRALIAN CURRICULUM: SCIENCE

<b>Strand:</b>	Science Understanding, Science as a Human Endeavour
<b>Sub-strand:</b>	Earth and Space Sciences
<b>Descriptor:</b>	Earth's resources are used in a variety of ways People use science in their daily lives, including when caring for their environment and living things

### SCIENCE WORDS

Water cycle, liquid, vapour, droplet, planet, lakes, rivers, oceans, re-cycled

### INFORMATION FOR PARENTS OR CAREGIVER

Helping your child learn to read is a rewarding and enjoyable experience for both you and your child. Here are some ways you can help your child with their reading.

#### BEFORE READING

- Introduce the book; read the title and look at the pictures. Ask your child if they can think of ways we use water.
- Refer to the science words above. Discuss each word and its meaning. These words will appear in the book.

#### DURING READING

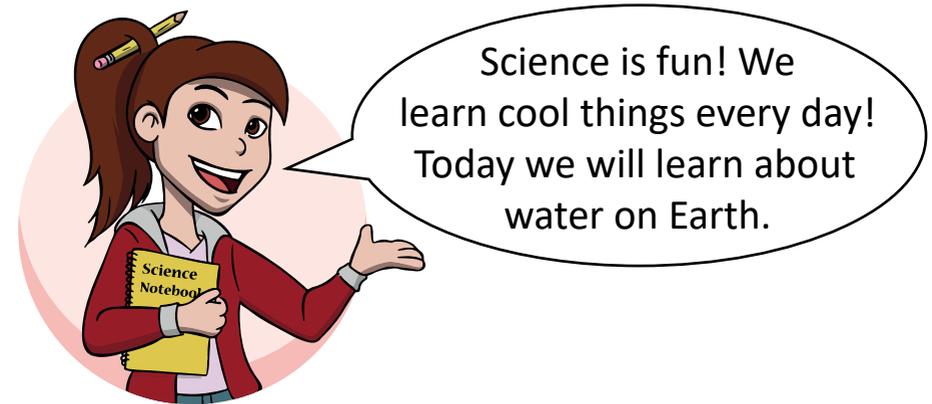
- At this level, your child should attempt to read their home reader on their own. There may be words they are unsure of. Encourage them to break these words down into their individual sounds, blending them from left to right.
- Stop your child on the pages where Suzie the Scientist appears. Discuss the science vocabulary and interesting information presented.

#### SCIENCE CONCEPTS IN THIS BOOK

In this book students are introduced to the water cycle and how water moves around our planet. The importance of water and its variety of uses is also explored. Water has uses in industry, domestically and for recreation. It is also essential for life.

There is a finite amount of water on Earth. The water on our planet moves around in a never ending water cycle. Heat from the Sun warms liquid water; it evaporates, becoming water vapour. The water vapour rises and cools, forming clouds of tiny droplets. These droplets come together to form larger, heavier drops that fall back to Earth as rain, snow, sleet or hail. This process is known as precipitation. The water ends up back in rivers, lakes and oceans, or soaks into the ground to become groundwater. The water is heated by the Sun again and the water cycle continues.

Water has been moving around Earth in this cycle since the formation of the planet, roughly 4.5 billion years ago. It's possible that the glass of water you drank this morning once came out of a dinosaur's nose!



Science is fun! We learn cool things every day! Today we will learn about water on Earth.

# Water on Earth



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There is lots of water on Earth.

Water can be found in lakes, rivers and oceans all over our planet.

The same water has been on Earth since our planet was formed.

Water is always being re-cycled.



Did you know you can see water from space? This is why Earth is sometimes referred to as the Blue Planet, or the Water Planet.



# The water cycle

Water moves around our planet.

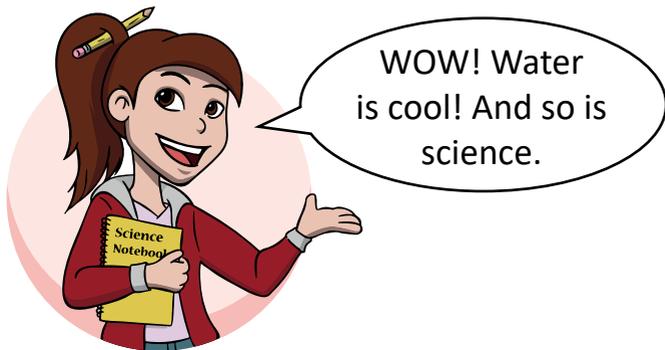
Water in lakes, rivers and oceans is heated by the sun.

The liquid water turns into water vapour and rises into the air.



# Water for life

We need to drink water to live.



## AFTER READING

Ask your child what the book was about and encourage them to re-tell it in the order in which it appeared.

Discuss the following with your child to assist in understanding the content of the book:

- What are some examples of ways we use water at home?
- Can you explain the water cycle in your own words?
- Why is it important to look after the water we have on Earth?
- What are things we can do to make sure water in our rivers stays clean?

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Consultant: Gayle Brent

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# Water on Earth

**Earth and Space Sciences**

**In this book Suzie the Scientist helps us learn about the water cycle and the uses of water in our everyday lives. She shows us the different ways people use water at home, at work and for fun. Suzie also shows us the importance of looking after water on our planet.**

**Australian Curriculum:** All books in the 'Suzie the Scientist' series are written for the *Australian Curriculum: Science* and align directly to what children learn in the classroom. This book addresses the learning outcome "Earth's resources are used in a variety of ways" from the Earth and Space Sciences sub-strand.



WOW! Water is cool! And so is science.

## **PARENTS, READ ALONG WITH SUZIE!**

*Throughout this book Suzie the Scientist tells us interesting scientific facts. Use these pages to encourage further interest and discussion about **water** with your child.*

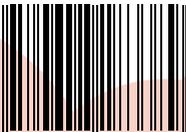
### **Suggested Reading Level:**



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