

Water Guardians: protect our precious drops



Tap into water education

Lesson plan

Year levels: R-3

Time: 60 minutes

Lesson overview

Students will learn about the importance of water for all living things, discuss how water is used in everyday life, and explore ways to conserve water. The lesson will conclude with students creating their own "Water Guardian" to commit to saving water and helping the environment.

Objectives:

- Recognise that water is essential for people, animals, and plants.
- Discuss how water supports life and the environment.
- List different ways water is used and learn how small changes can save water.
- Create a superhero with actions they will take to be water wise and help the planet.

Materials:

- Water guardian worksheet

Opening

Start with a fun fact: "Did you know that about 70% of the Earth is covered in water, but only a tiny bit of it is safe for us to drink?" Ask students, "Why do you think water is so important?" Allow students to share their thoughts, then explain that all living things need water to grow, stay healthy, and survive.

Now play a true or false quiz with the students, designate one side of the room for true and the other for false. For each statement, students can move to the side they think suits best.

True or false

1. Taking a shower uses less water than filling up a bathtub.
Answer: True. Showers usually use less water than baths, especially if you take short showers or use a water-efficient showerhead.
2. South Australia is the driest state in Australia
Answer: True. South Australia is indeed the driest state, with low rainfall compared to other parts of the country.
3. It is best to water your garden in the middle of a hot day.
Answer: False. Watering in the early morning or late evening helps save water, as less evaporates in cooler temperatures.
4. Turning off the tap while brushing your teeth can save up to 10 litres of water each time.
Answer: True. Leaving the tap running while brushing wastes a lot of water. Turning it off can save a significant amount.
5. The amount of water on Earth never changes.
Answer: True. We have the same amount of water on earth today, as there was during the time of the dinosaurs.
6. It's okay to leave a leaking tap for a few days because it doesn't waste much water.
Answer: False. Even a slow drip can waste a lot of water over time. It's important to fix leaks as soon as possible.

Activity

Discuss with students how they can be a 'Water Guardian' (a hero who cares for and looks after water) and what they can do to help save water at school and at home. List their ideas on the board for everyone to see.

Students are now going to design a Water Guardian using the worksheet below. They should create a superhero name, and three powers they can use to save water. Students can draw their powers, and draw and colour their hero costume.

Reflection

When complete, have students display their work on the wall or table and give them a few minutes to do a 'gallery tour'. Students can walk around and look at all the different water-saving ideas.

As a class, discuss what water saving 'powers' they already use at school and at home.

Support

Give students superhero prompts to help them think of ideas, such as:

- "My superpower is stopping leaky taps!"
- "I use my powers to help people take shorter showers."
- "I make sure gardens are only watered in the evening."

Extension

Ask students to create a mini water-saving campaign for their school or home. They can design posters, write slogans, or create a short video to promote water conservation using their superhero character.

Curriculum connections

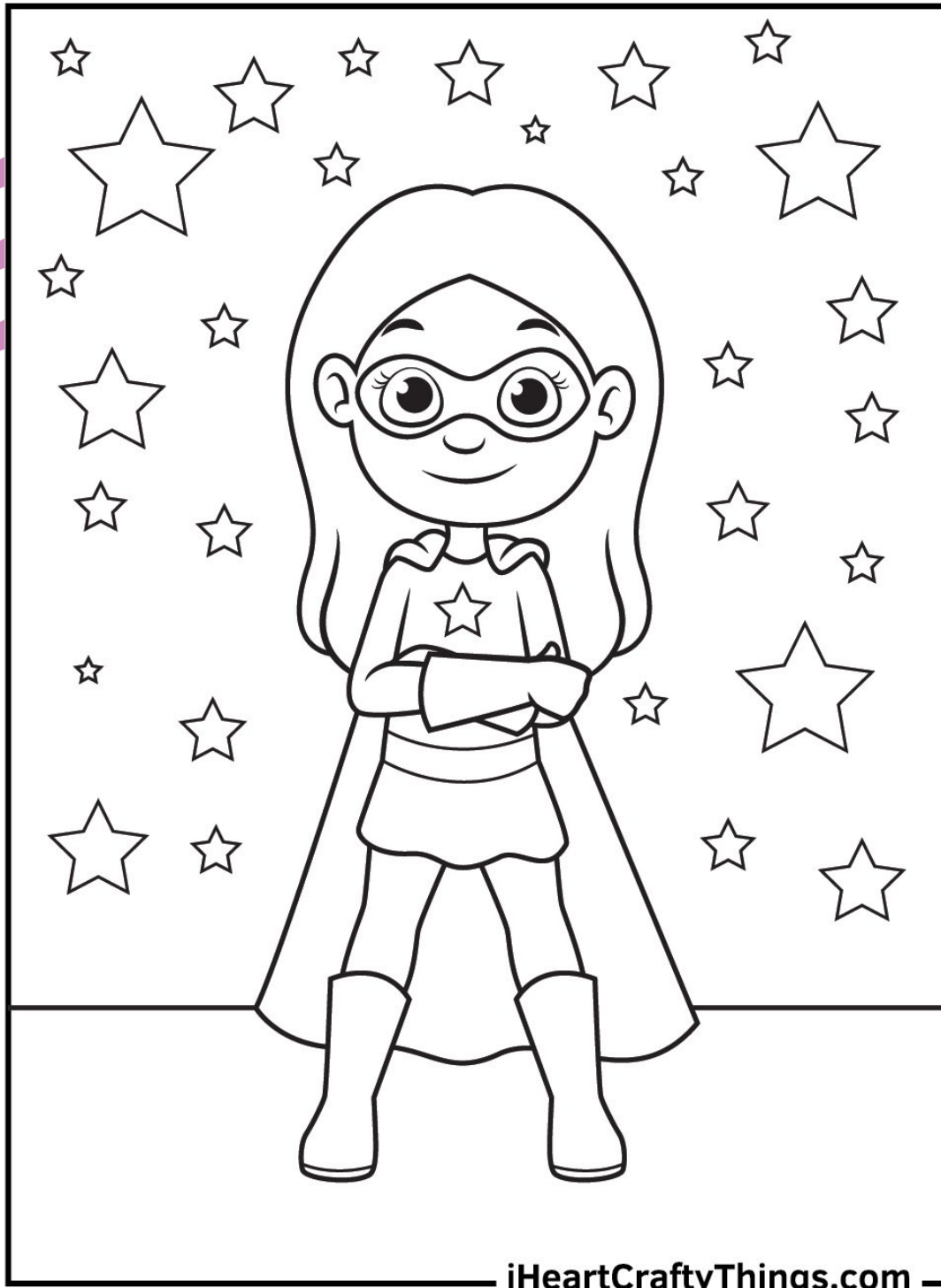
| Science | |
|-----------|---|
| Reception | Living things have basic needs, including food and water (ACSSU002) |
| Year 1 | Living things live in different places where their needs are met (ACSSU211) |
| Year 2 | Earth's resources are used in a variety of ways (ACSSU032) |
| Year 3 | Science involves making predictions and describing patterns and relationships (ACSHE050) Science knowledge helps people to understand the effect of their actions (ACSHE051) |
| English | |
| Year 1 | Engage in conversations and discussions, using active listening behaviours, showing interest, and contributing ideas, information and questions (ACELY1656) |
| Year 3 | Use interaction skills, including active listening behaviours and communicate in a clear, coherent manner using a variety of everyday and learned vocabulary and appropriate tone, pace, pitch and volume (ACELY1792) |



Water Guardian

My name is _____

My water saving super powers are _____



Water Guardian



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My name is _____

My water saving super powers are _____



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