

# We're all in this together

Students will learn about water conservation, creating puzzles and quizzes to help improve water conservation in the community.

**Subject area:**

English

**Year level:**

Year 4

**Learning objectives:**

- Plan, write and publish a word search and quiz using keywords about water conservation.
- Educate the community about how to conserve water in their school community.

Curriculum links

<i>Language variation and change</i>	ACELA1498
<i>Expressing and developing ideas</i>	ACELA1493
<i>Language for interaction</i>	ACELA1488
<i>Text structure and organisation</i>	ACELA1490
<i>Interacting with others</i>	ACELY1689

Cross curriculum priorities - Sustainability

OI.1	The biosphere system is a dynamic system providing conditions that sustain life on Earth.
OI.2	All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival.
OI.3	Sustainable patterns of living rely on the interdependence of healthy social, economic and ecological systems.

General capabilities



Literacy



Information and communication technology (ICT) capability



Critical and creative thinking



Personal and social capability

## ➤ Activity 1

# Waterwords search

**Using the Water Corporation's A-Z of waterwords, and tips to saving water around their homes, students will create a word search to embed the meanings of water related terminology.**

### Time required:

1 hour

### Resources required:

- iPad for each student

### Preparation:

1. Ensure students have access to [Water Corporation website](#), particularly [A-Z of waterwords](#).
2. Set up [Puzzlemaker word search](#) on desktop computers or iPads.

### Steps:

1. Divide students into pairs.
2. Give students one minute to brainstorm as many ways as they can think of to save water per topic. Write their ideas on an A3 page. Examples might include:
  - a. Topic 1: GARDEN
    - i. Plant waterwise plants.
    - ii. Stick to watering days.
    - iii. Wash car on the lawn.
  - b. Topic 2: BATHROOM
    - i. Four minute showers.
    - ii. Turning tap off when brushing teeth.
    - iii. Dual flush toilet.
  - c. Topic 3: SCHOOL
    - i. Notify teacher if a tap has a leak.
    - ii. Use the half flush whenever possible.
    - iii. Make sure you turn off taps completely and do not leave them dripping.
    - iv. Wash paintbrushes in a tub and use dirty water on the garden.
    - v. Install rain water tank.

3. In their pairs and using the vocabulary from their brainstorming, students will create a word search. Students may use additional words from the [A-Z of waterwords](#).
4. To create a word search, students will use the [Puzzlemaker word search](#) website following these instructions:
  - a. Create a title for the word search.
  - b. Enter the size of the word search puzzle, optimum size is 15 x 15.
  - c. Choose a word search puzzle option, recommended to use each letter only once.
  - d. Choose the TEXT option if students would like to cut and paste the puzzle to a different application, otherwise choose HTML so students can directly print the word search puzzle.
5. Swap puzzles with another pair to complete.

## > Extension Activity 1

# Cartoon conservation

Students will learn about the limited nature of water through the creation of a cartoon story. The story structure will challenge students to think of creative ways to save water in their chosen setting.

### Time required:

1 hour

### Resources required:

- iPad or computer per student

### Preparation:

1. Ensure students have access to the [Toontastic app](#)

### Steps:

1. Using [Toontastic](#), get students to choose from the Pirates or Space setting. These are relevant as they have a finite amount of water available (just as we do on Earth).
2. Students need to set up the story structure by working their way through the story elements: The story should follow the "Classic story" structure:
  - a. Setup: characters, description of their voyage.
  - b. Conflict: one crew member is wasting water.
  - c. Challenge: How to educate the wasteful crew member about ways to save water.
  - d. Climax: Implementation of the "education plan".
3. Once students have completed their story, encourage them to view stories created by classmates.



➤ Extension Activity 2

# Community kahoot

Students will apply their understanding of water conservation as they design a quiz to share with their peers.

**Time required:**

1 hour

**Resources required:**

- iPad for each student

**Preparation:**

Ensure students have access to:

1. [Kahoot](#) app
2. [Water Corporation website](#)
3. Have a few copies of Activity page 1: [Community kahoot sample questions](#) ready for students to share.

**Steps:**

1. Using the [Kahoot](#) app get students to create a quiz about the topic "Saving water in the home".
2. Students will use insights from activities 1 & 2, and information from the [Water Corporation website](#).
3. Students may choose to use examples from our [Community kahoot sample questions](#).
4. Students should use a combination of true/false and multiple choice questions in their quiz.
5. Students can ask their peers to test their water knowledge, or they could print out the quiz to take home for their family to complete.
6. Discuss the results next day in class.



# Community kahoot sample questions

What is the best way to save water in the shower?

- a. Use a 4 minute timer.
- b. Sing 4 of your favourite songs.
- c. Place a bucket in the shower.
- d. **Both a. and c.**

What is the best way to save water in the toilet?

- a. Never flush.
- b. Use a half flush for poos.
- c. **Use the half flush for pee.**
- d. Press the full flush for pee.

How can we save water with the dishwasher?

- a. Only half fill the dishwasher.
- b. Place our shoes in the dishwasher.
- c. **Make sure the dishwasher is as full as it can be with dishes.**
- d. Place our clothes in the dishwasher.

What is the best way to save water in the kitchen sink?

- a. **Place the water in a bucket to put on the garden.**
- b. Leave the sink tap running as we wash all the dishes.
- c. Fill the sink half way with water and let it drain away after we have used it.
- d. Fill the sink to the top and wash 1 cup.

If you see a tap dripping you should:

- a. Leave it and hope it stops eventually.
- b. Put a bucket underneath it to catch the drips.
- c. Get it repaired.
- d. **Both b. and c.**

When should you use a pool cover?

- a. Only in winter.
- b. Only on hot days.
- c. **Whenever you are not swimming.**
- d. Only on days you are swimming.

Does the winter sprinkler ban to apply to everyone?

- a. **Yes.**
- b. Only if you have a bore.
- c. No.
- d. Only for people who are boring.

What is the best way to wash a car?

- a. Use a hosepipe.
- b. Use a bucket and a sponge.
- c. Wash the car on the grass if possible.
- d. **Both b. and c.**

What is the best way to brush your teeth?

- a. Use a cup for the water.
- b. Turn off the tap while brushing.
- c. Leave the tap running but brush your teeth very quickly.
- d. **Both a. and b.**

What is the best way to wash your hands?

- a. Just give them a quick rinse.
- b. **Turn off the tap while rubbing in the soap.**
- c. Don't use soap, it takes too long.
- d. Keep the tap running while you wash.

How much water should we put in the bath?

- a. As much as you like.
- b. Up to your neck.
- c. **Up to your bellybutton.**
- d. Nearly to the top.

Can we reuse water from the shower?

- a. Yes, to water the garden.
- b. Yes, to wash the car.
- c. No.
- d. **Both a. and b.**

When do we turn on the sprinklers?

- a. Any day of the week.
- b. **Once or twice a week but only on your sprinkler days.**
- c. 5 days a week.
- d. Every time it is hot?

What is the best time to have your sprinklers on?

- a. **Before 9am and after 6pm.**
- b. Anytime.
- c. In the middle of the day.
- d. All day on hot days.

Using a watering can in the garden is a good idea because:

- a. It looks cool.
- b. **It uses less water than a hosepipe.**
- c. It builds strong arm muscles.
- d. They come in different colours.