



Components

	NAME	DESCRIPTION	AUDIENCE
	<i>Finding water</i> teacher guide	This guide explains how to use a video to engage students in learning about ways to supply water to communities in Western Australia.	teachers
	<i>Water in Western Australia</i> background sheet	This sheet provides information about: current water sources in Western Australia; possible future water sources; and experimental water supply ideas trialled elsewhere.	teachers
	<i>Water everywhere</i> video	This cartoon shows a mixture of clever, inspired, practical and crazy ideas for water supply that have been tried or considered. It leads students to question how Western Australians can secure clean water for the future.	students

Purpose

To **Engage** students in thinking about where water they drink comes from.

Outcomes

Students:

- understand there are a range of alternative ideas for water supply that may or may not be successful;
- understand unique climate conditions in WA have always required careful management of water sources;
- realise people in WA need to use less water and recycle water we have; and
- classify alternative ideas for water supply into possible or impossible ideas.

Activity summary

ACTIVITY	POSSIBLE STRATEGY
Students watch the video, <i>Water everywhere</i> .	whole class
Discuss. See Teacher notes below for key questions for students.	whole class

Teacher notes

This activity can follow viewing the video, *Water everywhere*:

1. Provide two headings: 'Possible ideas' and 'Impossible ideas'.
2. Recall ideas shown in the video and classify them under these two headings.
3. Which idea or ideas do students think are most likely to work? Why?

Suggested additional activity

Ask students to bring a copy of their family's water invoice. From this they can calculate an average volume of water each person in their house uses daily. Students may be surprised how high this amount is. They may also compare it with the average usage for Perth residents: 400 L per day.

Technical requirements

The teachers guide and background sheet require Adobe Reader (version 5 or later), which is a free download from www.adobe.com.

A modern browser (eg Internet Explorer 7 or later, Google Chrome, Safari 4.0+, Opera or Firefox) is required to view the video. This is a free download from www.apple.com/quicktime. A high quality MP4 version of the video is available on CD-ROM or download from the SPICE website.

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Associated SPICE resources

Water 1: Finding water may be used in conjunction with related SPICE resources to to teach the topic of water supplies in Western Australia.

DESCRIPTION	LEARNING PURPOSE
<i>Water (overview)</i> This learning pathway shows how a number of SPICE resources can be used in teaching students about how Western Australia secures its water supply.	
<i>Water 1: Finding water</i> A video shows a range of potential ideas for how water could be supplied to people living in Western Australia.	Engage
<i>Water 2: Water sources</i> Students use an interactive learning object to explore water sources in a number of regions across Western Australia.	Explore
<i>Water 3: Water supply</i> Students play a board game to investigate the economic, social and environmental factors that must be considered when planning a sustainable water supply.	Explain
<i>Water 4: Recycling water</i> Students investigate the Water Corporation's groundwater replenishment scheme by conducting background research, an experiment and a survey.	Elaborate