

GO WITH THE FLOW

HOW CAN YOU HELP SAVE WATER?

WATER WISE

Can you think of three ways your school can save water?

- ▶ Name five drought-tolerant native plants that you could put in a school garden.
- ▶ Find out four ways you can help maintain your garden if the dry conditions continue. Think of a slogan that encourages everyone at your school to save water. Design a badge for students to wear.

www.target140.com.au
www.worldwaterday.org



SOUNDS ALIVE

Water can make amazing sounds. Listen to it dripping, trickling, splashing and being poured at various speeds.

How many different sounds can you create?

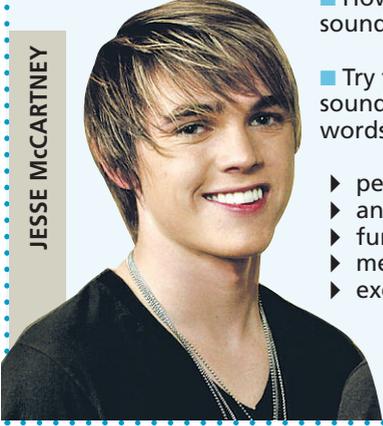
Try to create a water sound to match these words:

- ▶ peace
- ▶ anger
- ▶ fun
- ▶ memories
- ▶ excitement

Many songs refer to water, the sea, rivers or streams. There is *Right Back in the Water*, by Jesse McCartney (left) for starters. Start compiling a class list and see how many you can think of.

Ask your parents, grandparents, neighbours and friends to contribute suggestions. Challenge another class to see who can list the most "water" songs by the end of the week.

JESSE MCCARTNEY



UNDER PRESSURE

Water flows through pipes from a reservoir or tank to your school and home. Gravity provides water pressure to push the water through the pipes. The water pressure must be strong enough to push the water uphill to get to some schools and homes.



Discover how water can flow uphill with this experiment, which can be done in pairs.

You need:

- ▶ Two clean jars
- ▶ Length of plastic tubing, about 0.5m.

Fill one jar with water or cordial, and place one end of the tubing into this jar. Have the empty jar ready below the full jar. Nominate one person (for hygiene reasons) to suck on the other end of the tube. Just before the water reaches your mouth, place your thumb over the end. Quickly put the tube into the empty jar and remove your thumb.

What happens to the water?

- ▶ You have siphoned the water from one container to another!

Discuss with your partner why the liquid is able to climb uphill in the tube from the higher jar then down into the jar below.

WATER WORLD

Water makes up _____ per cent of the earth's surface. Only _____ per cent of our earth's water is fresh and about _____ of that is frozen in glaciers and polar icecaps. "Pure" water is almost impossible to find because water picks up particles of minerals and gases in its travels.

Name four things likely to come in contact with river water.

- ▶ List four things likely to have contact with water flowing into a household tank.

Water recycling is seen as a key part of maintaining a sustainable water supply for some mainland cities.

What is recycled water?

- ▶ Would you drink recycled water if it was made safe enough for human consumption?

Write a 200-word essay arguing for or against the introduction of recycled water for drinking.

www.melbournewater.com.au



AQUEDUCTS

An aqueduct is a channel built to transport water from one place to another. The first aqueducts were built hundreds of years ago by the ancient Egyptians and Romans.

Choose one of the following famous aqueducts:

- ▶ Colorado River Aqueduct, USA
- ▶ Pont du Gard, France
- ▶ Eifel Aqueduct, Germany

Find out five key facts about this aqueduct that you can share with your classmates.



WATER WATCH

Divide the class into six groups and assign each of these topics – rainfall, tides or temperatures – to two groups.

- ▶ Use the *Mercury* weather page to monitor the figures for your topic every day for the next month.
- ▶ At the end of the month each group reports its findings to the class.

What conclusions could you draw from the figures?

Did the findings of the groups vary?

VERB BLURB

Write down 10 uses of water using a verb and a noun. We have named two to get you started.

- ▶ Growing vegetables
- ▶ Fighting fires

ga.water.usgs.gov/edu/



RAIN DANCE

Look at monthly rainfall figures for your area.

Which area recorded the highest figure?

What was the rainfall figure for your area?

Which area recorded the lowest?

- ▶ Find these areas on a map.

What is the difference between the two recordings?

Which recording station is closest to your school?

www.bom.gov.au/weather/tas

