

1 The Water Cycle - The Loopy World of Water

Program focus

In The Water Cycle - The Loopy World of Water, students will learn about the different parts of the water cycle - precipitation, evaporation, condensation and transpiration. They will also gain an understanding of different states of matter (solid, liquid and gas).

Students will have the opportunity to observe how the water cycle works by building their own miniature water cycle.

Presentation

The presentation in The Water Cycle - The Loopy World of Water will help students to understand the different parts of the water cycle (precipitation, evaporation and condensation and transpiration).

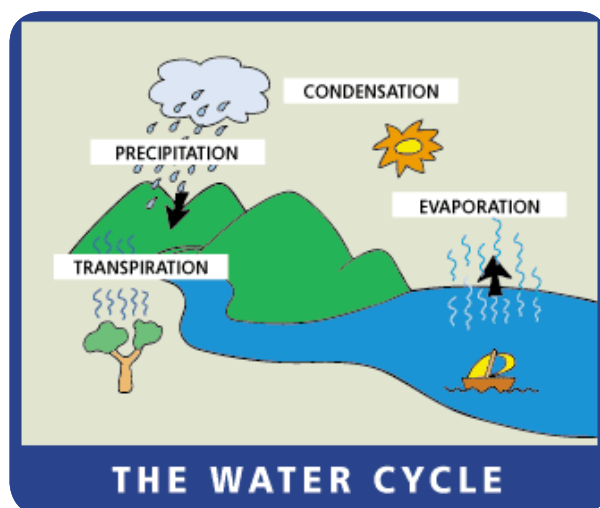
The presentation will also clarify terms (such as solid, liquid and gas) needed to understand how the water cycle works.

Activity

In The Water Cycle - The Loopy World of Water, students will learn about the water cycle by building a terrarium (a jar with soil, rocks and a plant). The terrarium works like a miniature water cycle, allowing students to observe the different stages of the water cycle.

VELS links

VELS levels	Strand	Domain	Dimension
2-4	Discipline-based learning	Science	<ul style="list-style-type: none"> Science knowledge and understanding Science at work



This program includes:

- Introductory welcome presentation (5 minutes)
- Opening video (10 minutes)
- Vortex interactive walkthrough (30 minutes)
- Water Cycle presentation (15 minutes)
- Water Cycle activity (30 minutes)

*Times are approximate only and can be tailored to meet your school's objectives and needs.

About the Vortex Centre

The Vortex Walkthrough

The Vortex Centre is Gippsland Water's new water educational resource located at the world-first Gippsland Water Factory in Maryvale, Victoria.

The Vortex Centre provides a multimedia experience for students to learn about water use and management in the Gippsland region, the water cycle and water sustainability.

The state-of-the-art 'green' facility features interactive displays, touch-screens and videos, with a focus on efficient use of water and sustainable water management; highlighting water as a precious resource at a local, state, national and global level.

Students will also learn about the treatment process happening at the Gippsland Water Factory and how recycled water is produced. This will include a behind-the-scenes look at the operational centre of the wastewater treatment plant.

The Vortex Centre is a sustainable building that sits on a lake of recycled water, which is pumped through the floor to provide cooling. It is also heated sustainably through waste energy and contains a variable membrane that saves electricity by controlling the level of light.

Vortex Centre education programs and the school curriculum

The different presentations and activities provided by Gippsland Water run across various VELS levels, domains and dimensions and can be tailored to fit the needs of students and the school curriculum.

For VCE students, information can be provided which is tailored to the needs of specific projects. Experts on wastewater treatment can also be provided to discuss various processes.



Admission to the Vortex Centre is free for those within Gippsland Water's service area.

School tours are available on Tuesdays, Wednesdays and Thursdays between the hours of 9:30am and 3:00pm only.

To book a tour, please contact Gippsland Water's Communications team on 1800 066 401 or visit www.gippswater.com.au to download a Vortex Centre Tour Information Pack.

Please note: All bookings must be made at least two weeks in advance of the tour date.

Did you know?

A vortex is a whirling motion, like a whirlpool, whirlwind or water going down the drain. This motion was the inspiration behind the architecture of the Vortex Centre and is captured in the building's name.

The Vortex Centre is made up of seven barrels that appear to be floating on water and fit into one another, decreasing in size giving the appearance of a 'vortex'.

