

# VORTEX CENTRE

## GIPPSLAND WATER EDUCATION PROGRAM

### Liquid Life - Water in Gippsland

#### Program focus

In Liquid Life - Water in Gippsland, students will learn about different groups that use water in Gippsland (households, industry, agriculture). Students will learn about reservoirs and how water is collected to supply the different groups that need it. The program will also look at how recycled water is used to meet the needs of some water users.

#### Presentation

The presentation in Liquid Life - Water in Gippsland will look at the different groups that use water in Gippsland (industry, agriculture and households). Students will gain an understanding of who the major users of water in Gippsland are (industry - power generation and pulp and paper; and agriculture - dairy and livestock, fruit and vegetables) and how they use water.

The presentation will also look at reservoirs and how water users are supplied, and how recycled water is used to supply the needs of some water users.

#### Activity

In Liquid Life - Water in Gippsland, students will take part in a water user relay race to consolidate their knowledge of how water is used in Gippsland. Each team will represent a type of water user (households, industry, agriculture) and race to take water from the reservoir or the recycling plant.

#### VELS links

VELS levels	Strand	Domain	Dimension
3 & 4	Physical, personal and social learning	Health and Physical Education	<ul style="list-style-type: none"><li>Movement and physical activity</li><li>Economic knowledge and understanding</li></ul>
3	Discipline-based learning	Humanities	
4	Discipline-based learning	Humanities - Economics	



#### This program includes:

- Introductory welcome presentation (5 minutes)
- Opening video (10 minutes)
- Vortex interactive walkthrough (30 minutes)
- Liquid Life presentation (15 minutes)
- Liquid Life 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 usage 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 Tuesday, 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](http://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'.

