

Unit outcomes

Water works

Science outcomes

Water works is a Stage 1 unit. Unit outcomes have been identified for Level 1 and Level 2 of the *National Scientific Literacy Progress Map*, allowing teachers to cater for the range of abilities in the second and third years of schooling. Summative assessment will need to take account of the levels of achievement expected for a cohort of students. Summative assessment of conceptual learning outcomes (**c**) occurs in the *Evaluate* phase and summative assessment of the investigating outcomes (**i**) occurs in the *Elaborate* phase.

Level 1

- c** Identify and describe uses of water.
- c** Identify sources of water.
- c** Identify an action that can help to conserve water.
- i** Follow directions to conduct simple investigations about water use in the home.
- i** Make and describe observations.

Level 2

- c** Describe differences between own and others' uses of water.
- c** Describe a way of transferring water from its source to its point of use.
- c** Identify actions that can be taken to conserve water.
- i** Make and record observations.
- i** Identify patterns in a simple column graph.

Literacy focuses

Water works engages students in activities that reflect the mutually supportive relationship between science and literacy. Learning activities are designed to explicitly introduce the literacy focuses and to provide students with the opportunity to use them as they think about and represent their understanding of science.

The interdependence of science and literacy is demonstrated throughout the unit when students participate in discussions and use talk to: inquire, report on observations, clarify understanding and reflect on experience. The use of gestures and oral, written and visual language to relate science to students' personal worlds is another important aspect.

The literacy focuses identified for *Water works* are:

- science journals
- word walls
- maps
- labelled diagrams
- role-plays
- storyboards
- *optional:* factual texts
- graphs
- interviews
- factual recounts.