



Syllabus WATER

Sustainability action process

The sustainability action process is a five step process that supports problem solving through active student participation. These resources provide a structured and consistent approach to teaching sustainability across the curriculum and support learning outcomes in science, technology, geography, mathematics and English.

This resource guides students through an extended school-based or local investigation focussed on water use and efficiency using the five step sustainability action process. The resource supports the investigation of a real-world issue or problem. Students develop and implement a chosen sustainability action and then evaluate and reflect on their success and their learning.

<https://app.education.nsw.gov.au/rap/resource/access/d5727e38-681d-4618-bf73-66301ab52afe/1>

Syllabus Content

Water audits provide opportunities for students to work mathematically in collecting, analysing and representing data.

Investigations into efficient and sustainable water use enable students to use geographical inquiry skills in support of the Geography K-10 Syllabus in:

Stage 2	The Earth's environment – significance of environments; protection of environments
Stage 3	Factors that shape places – factors that change environments; humans shape places
Stage 4	Water in the world
Stage 5	Sustainable biomes – changing biomes
Stage 5	Environmental change and management – environmental change.

Investigations into water as a resource use working scientifically and design and production skills in support of the Science and Technology K-6 Syllabus and Technology Mandatory 7-8 Syllabus in:

Stage 1	Earth and space – use and conservation of Earth's resources
Stage 2	Material world – materials are used for a specific purpose
Stage 3	Material world – properties of materials determine their use
Stage 4	Engineered systems.