

NSW WATER BUG SURVEY

SCIENCE & TECHNOLOGY

STAGE 2



**Infrastructure, Planning
and Natural Resources**

AIM: To promote student awareness of water quality.

OBJECTIVES:

Knowledge and Understanding:

- The process of investigation that people use to develop understanding of natural environments
- The technologies that people select and use for a variety of purposes

Skills:

- Investigate natural environments
- Assess, select and use a range of technologies

Values and Attitudes:

- Engage in learning experiences to enable them to develop positive and informed values and attitudes towards themselves, others, technology and the environment

CURRICULUM LINKS

SCIENCE & TECHNOLOGY OUTCOMES

- LTS2.3 Identifies and describes the structure and function of living things and ways in which living things interact with other living things and their environment.
- INVS2.7 Conducts investigations by observing, questioning, predicting, testing, collecting, recording and analysing data, and drawing conclusions.
- UT S2.9 Selects and uses a range of equipment, computer-based technology, materials and other resources with developing skill to enhance investigation and design tasks.

CURRICULUM LINKS

ENVIRONMENTAL EDUCATION OBJECTIVES Students will develop:

Knowledge and Understanding about:

- K1 the nature and function of ecosystems and how they are interrelated
- K2 the impact of people on the environment
- K4 the principles of ecologically sustainable development

Skills in:

- S1 applying technical expertise within an environmental context
- S2 identifying and assessing environmental problems
- S3 communicating environmental problems to others
- S5 adopting behaviours and practices that protect the environment

Values and Attitudes:

- V1 a respect for life on Earth
- V3 a commitment to act for the environment by supporting long-term solutions to problems

ASSESSMENT

- Field work
- Group work participation
- Observations
- Discussion
- Work samples