

Case Studies

Solar boat club

Middle Years

Urrbrae Agricultural High School

The club formed around a school competition and encourages team skills, design creativity and basic physics concepts. The school has an increasing solar energy focus with the school being awarded a grant for a solar panel for aquaculture.

The success of the program is determined by

- Enthusiasm of students
- Improvements in boat performance

Links between classroom work and environmental project

- Possibly in the near future physics course as year 10 will incorporate solar boat design and problem solving.

Environmental Reporting Themes and Issues for this project

Themes

Issues

Human Settlements



- Energy

Environmental Reporting Themes and Issues for this project

- Design and Technology
- Science

Elements of the Essential Learnings that your project develops

Futures

- Learners acquiring skills that will enable them to thrive in a fast changing world rather than becoming casualties of such change

Identity

- Learners developing the capacity to relate effectively to others and to resist the pressure of negative stereotyping.

Interdependence

- Learners cooperating to achieve agreed outcomes.

Thinking

- Learners using a wide range of thinking modes.