### The Learning Context

**Electricity usage at our school?**

Students undertake an investigation into the level of electricity usage in the school.

The process that they use should be researched and developed to meet the need of the school situation including the data that needs to be collected and where the data can be obtained.

The key questions that need answering are:

- What is the current electricity usage situation in the school? Is there any seasonal variation?
- What systems do we have to manage this currently?
- How much information is collected by the school to monitor electricity usage?
- What actions are taken by the school to conserve electricity?
- What opportunities exist to improve on the current level of usage? What recommendation could be made based on research?
- What is the possibility of renewable energy sources being employed, for example solar panels?
- Prepare a full report for presentation to school management and Board of Trustees, including suggested actions.

### Key Competencies

- Thinking.
- Participating and contributing.
- Relating to others.

### Enterprising Attributes

- Problem solving.
- Strategic intervention.
- Effective communication.

### Content

- Using and managing resources.
- Sustainability.

### Assessment Ideas

- Presentation to Principal/BoT
- Communication skills