

Year 11 Science Electricity Usage	Strand: Physical inquiry and physics concepts.
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Key Competencies	The Learning Context
Thinking. Participating and contributing. Relating to others.	Electricity usage at our school? Students undertake an investigation in to 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:
Enterprising Attributes	<ul style="list-style-type: none"> • 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.
Problem solving. Strategic intervention. Effective communication.	
Content	
Using and managing resources. Sustainability.	Assessment Ideas
	<ul style="list-style-type: none"> • Presentation to Principal/BoT • Communication skills