

The Power of One Program – Curriculum Links



‘Big Idea’: sustainability, taking action (saving energy, reducing pollution)

Curriculum Links

Science Year 6 - Content Descriptions	Activities
Science Understanding Physical Sciences <ul style="list-style-type: none"> Electrical energy can be transferred and transformed in electrical circuits and can be generated from a range of sources (ACSSU097) 	Bike-powered generator, energy sources & saving energy, rotational activities
Earth and space sciences <ul style="list-style-type: none"> Sudden geological changes and extreme weather events can affect Earth's surface (ACSSU096) 	Follow up to info on impacts of climate change
Science as a Human Endeavour Nature and the Development of Science <ul style="list-style-type: none"> Science involves testing predictions by gathering data and using evidence to develop explanations of events and phenomena and reflects historical and cultural contributions (ACSHE098) 	Colour experiment
Use and Influence of Science <ul style="list-style-type: none"> Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE100) 	Bike-powered generator, energy sources & saving energy, rotational activities
Science Inquiry Skills Questioning and Predicting <ul style="list-style-type: none"> With guidance, pose clarifying questions and make predictions about scientific investigations (ACSI232) 	Colour experiment
Planning and Conducting <ul style="list-style-type: none"> Decide variables to be changed and measured in fair tests, and observe measure and record data with accuracy using digital technologies as appropriate (ACSI104) 	Colour experiment
Processing and Analysing data and information <ul style="list-style-type: none"> Construct and use a range of representations, including tables and graphs, to represent and describe observations, patterns or relationships in data using digital technologies as appropriate (ACSI107) 	Follow up to PowerMate activity
<ul style="list-style-type: none"> Compare data with predictions and use as evidence in developing explanations (ACSI221) 	Colour experiment
Cross Curriculum Priority Link: Sustainability	Activities
Systems OI.3 Sustainable patterns of living rely on the interdependence of healthy social, economic and ecological systems.	Energy sources & saving energy, rotational activities
Futures OI.6 The sustainability of ecological, social and economic systems is achieved through informed individual and community action that values local and global equity and fairness across generations into the future.	Bike-powered generator, energy sources & saving energy, rotational activities
Futures OI.8 Designing action for sustainability requires an evaluation of past practices, the assessment of scientific and technological developments, and balanced judgments based on projected future economic, social and environmental impacts.	Bike-powered generator, Energy sources & saving energy, rotational activities