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# Forms of energy - Year 8 CLE

Posted by sat on Thu, 2016-09-15 10:35

The CLE investigates the transformation of energy to different forms.

**Description:** In this investigation, different forms of energy and how they can be transformed from one form to another are investigated through examining the transformations involved in hydroelectricity. Students explore common ‘energy transformation’ devices and recognise that not all energy transformations are useful.

**Learning intentions**

Students will be able to:

- identify different forms (or types) of energy
- explain that one form of energy can be transformed into other forms
- represent an energy transformation with a flow diagram
- understand that any energy transformation involves some ‘waste’ or non-useful energy
- make accurate measurements
- construct appropriate representations that allow them to interpret and analyse the data
- identify patterns and relationships in data
- draw conclusions based on evidence.

Australian Curriculum v9 Codes: AC9S8U05 (Year 8)

**Tags:**
energy
forms of energy
energy transformations
energy transfer
hydroelectric power
Year 8
physical sciences
gravitational potential energy
kinetic energy
potential energy
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**Publication Date:**
September, 2016
Energy conversion

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