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## The Egg Bungee Jump - Year 10 CLE

Posted by [sat](#) on Fri, 2015-07-03 13:44

This online resource helps teach the concepts of motion and energy transformations.

The resource is a Science ASSIST Connected Learning Experience (CLE) designed specifically to teach the concepts of motion and energy transformations to Year 10 students.

### **Description:**

In this investigation, motion and energy transformations are investigated in the context of modelling a bungee jump by an egg. There is an emphasis on finding and analysing patterns in data in order to solve a real-world problem.

### **Learning intentions**

Students will be able to:

- understand that one or more different forms (or types) of energy can be present at the same time
- explain that one form of energy can be transformed into other forms and vice versa
- identify that the total amount of energy remains constant (total energy is conserved)
- design a fair test investigation
- 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.

**The SVG-based diagram that this link takes you to is best viewed with a browser other than Internet Explorer.**

Australian Curriculum v9 Codes: AC9S8U05 (Year 8), AC9S9U05 (Year 9)

### **Tags:**

[energy](#)

[energy transfer](#)

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[egg](#)

patterns

science investigation

science inquiry

physical sciences

conservation of energy

Connected Learning Experience

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Conservation of energy

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