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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.

Tags:

[energy](#)

[energy transfer](#)

[bungee](#)

[egg](#)

[patterns](#)

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science inquiry
physical sciences
conservation of energy
Connected Learning Experience

External Link:

The Egg Bungee Jump - Year 10 CLE

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The Egg Bungee Jump - Year 10 CLE

Image not found

file:///var/www/vhosts/assist.asta.edu.au/httpdocs/sites/assist.asta.edu.au/files/styles/desktop_resource_details_view/public/broken%20egg_2.png



Average: 3.3 (4 votes)

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Conservation of energy

Source URL: <https://assist.asta.edu.au/resource/2985/egg-bungee-jump-year-10-cle>