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Magnetism and Electrostatics - Year 4 CLE

Posted by [sat](#) on Thu, 2015-12-10 07:44

This Connected Learning Experience helps teach about non-contact forces.

The resource is an ASSIST Connected Learning Experience (CLE) designed to help teach Year 4s about non-contact forces.

Description: In this investigation, non-contact forces are investigated in the context of magnetism and electrostatic electricity to show that some forces can move objects without directly touching them.

Learning intentions

Students will be able to:

- use contact and non-contact forces to describe interactions between objects;
- identify when science is used to ask questions and make predictions;
- follow instructions to identify investigable questions about familiar contexts and predict likely outcomes from investigations;
- discuss ways to conduct investigations and safely use equipment to make and record observations;
- use tables and simple column graphs to organise their data and identify patterns in data;
- suggest explanations for observations and compare their findings with their predictions;
- suggest reasons why their methods were fair or not;
- complete simple reports to communicate their methods and findings.

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

New Australian Curriculum 9 Codes: AC9S4U03 (Year 4)

Tags:

[magnets](#)

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[forces at a distance](#)

non-contact forces

magnetism

static electricity

physics

CLE

physical sciences

External Link:

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Magnetism and Electrostatics - Year 4 CLE

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file:///var/www/vhosts/assist.asta.edu.au/httpdocs/sites/assist.asta.edu.au/files/styles/desktop_resource_details_view/public/johnny_automatic_magnet_3.pr



Average: 4 (1 vote)

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Fundamental forces

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