



# ASSIST

AUSTRALIAN SCHOOL SCIENCE  
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TEACHERS AND TECHNICIANS

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[Home](#) > Magnetism and electrostatics - Year 4 CLE

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## Magnetism and electrostatics - Year 4 CLE

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

This online resource 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.**

### Tags:

[magnets](#)

[forces](#)

[indirect forces](#)

[electrostatics](#)

[forces at a distance](#)

[non-contact forces](#)

[magnetism](#)

static electricity

physics

CLE

physical sciences

**External Link:**

Magnetism and electrostatics - Year 4 CLE

**Source Category:**

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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.p



Average: 4 (1 vote)

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Fundamental forces

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**Source URL:**<https://assist.asta.edu.au/resource/3436/magnetism-and-electrostatics-year-4-cle>