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[Home](#) > Forces Without Contact - Student Misconceptions

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## Forces Without Contact - Student Misconceptions

Posted by [sat](#) on Tue, 2014-09-02 00:03

This online resource is about teaching non-contact forces.

The resource provides teaching strategies for teaching about non-contact forces such as gravity, magnetism and electrostatic attraction.

It includes a discussion of student misconceptions and how they compare with the scientific view, as well as activities to complete with your class.

Critical teaching ideas covered.

- Some objects experience forces from things that are not touching them.
- Magnets can be used to make other magnets and things made of iron move without being touched.
- Something that has been electrically charged can make other things move without touching them.
- Things near the Earth fall toward the Earth unless something holds them up. The Earth pulls any object towards the centre of the Earth without touching it.

New Australian Curriculum 9 Codes: AC9S4U03 (Year 4)

### **Tags:**

[contact and noncontact forces](#)

[gravity](#)

[magnetic force](#)

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[non-contact forces](#)

### **External Link:**

[Forces without Contact](#)

### **Source Category:**

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Fundamental forces

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