Published on ASSIST (https://assist.asta.edu.au)

Home > Forces Without Contact - Student Misconceptions

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

electrostatic

non-contact forces

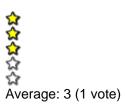
External Link:

Forces without Contact

Source Category:

Educational

Forces/WithoutsContactuaStudentsMisconceptionsfiles/styles/desktop_resource_details_view/public/johnny_automatic_magnet_2.pi



Publication Date:

April, 2014

Fundamental forces

Source URL:https://assist.asta.edu.au/resource/2472/forces-without-contact-studentmisconceptions?page=1