# *Magnetism and electrostatics* Digital content

### Videos

‘Home made magnetic slime’YouTube (0:41 min) <https://youtu.be/dDD67ydGEac>

‘Magnetic Super Putty’ YouTube (4:40 min) <https://youtu.be/tJHM5LCpT4w>

‘Bill Nye – Magnetism (edited)’YouTube(10:22 min) <https://youtu.be/079ROtsEf2k> (The full version DVD ‘Bill Nye The Science Guy: Magnetism – Classroom edition’ (Disney) is available from various online book shops.

Electrostatic Soap Bubble Science Experiment, You Tube (3:14 min) <https://youtu.be/aySWX55-xX4>

### Interactive digital resources

‘Magnets’, BBC School Science Clips website <https://www.bbc.co.uk/bitesize/topics/znmmn39/articles/zhj9r2p>

### Teaching activities

**Contact forces**

* Queensland Curriculum and Assessment Authority. 2013, ‘The force of friction, Australian Curriculum Year 4 Science Sample assessment | Teacher guidelines’ <https://www.qcaa.qld.edu.au/downloads/p_10/ac_sa_sci_yr4_force_of_friction.pdf>
* Academy of Science PrimaryConnections ‘Smooth Moves’ <https://www.primaryconnections.org.au/resources-and-pedagogies/curriculum-units/smooth-moves>

**‘At a distance’ forces**

* ‘Forces without contact’, Victoria Department of Education and Early Childhood Development website <http://www.education.vic.gov.au/school/teachers/teachingresources/discipline/science/continuum/Pages/forcescontact.aspx>
* ‘Magnetism: A Non-Contact Force’, Victoria Department of Education and Early Childhood Development website <http://www.education.vic.gov.au/school/teachers/teachingresources/discipline/science/continuum/Pages/magnetism.aspx#3>
* ‘Electrostatics: A Non-Contact Force’, Victoria Department of Education and Early Childhood Development <http://www.education.vic.gov.au/school/teachers/teachingresources/discipline/science/continuum/Pages/electrostatics.aspx>
* ‘Haunted straw’ ABC Science The Surfing Scientist website. The video is no longer active, but there are instructions for the activity (with photos) <http://www.abc.net.au/science/video/2011/12/13/3389807.htm>

### Further online resources

‘BitL printables (resource #4)’, Bringing it to life – essence meets content, DECD SA Leading Learning website <http://www.acleadersresource.sa.edu.au/index.php?page=bringing_it_to_life>