



## Messy Church Does Science

### Take-home ideas

You can find all web links at [www.messychurch.org.uk/scienceathome](http://www.messychurch.org.uk/scienceathome).

#### 8. Power and energy

Try dropping different things from different heights together to play around with the idea of gravity. Talk about the different sorts of energy or force that make the world work as it does. Which is the most amazing? What do you want to say to God about that?

##### Experiments to do at home

- Make an orange candle: [www.youtube.com/watch?v=GY6houQND\\_M](http://www.youtube.com/watch?v=GY6houQND_M).
- Make a spinning decoration: [www.rigb.org/christmas-lectures/sparks-will-fly/things-with-stuff/homopolar-motor](http://www.rigb.org/christmas-lectures/sparks-will-fly/things-with-stuff/homopolar-motor).
- Make ball shooters that use energy: [www.frugalfun4boys.com/2012/10/13/ping-pong-ball-shooters](http://www.frugalfun4boys.com/2012/10/13/ping-pong-ball-shooters).

##### Fun on the web

- Energy flow online game: [www.sciencemuseum.org.uk/online\\_science/games/energy\\_flows](http://www.sciencemuseum.org.uk/online_science/games/energy_flows).

##### Make a difference in the world

Work out how your family can use less energy or change something to renewable energy. Read these tips for inspiration: [www.uswitch.com/energy-saving/guides/free-energy-saving-tips](http://www.uswitch.com/energy-saving/guides/free-energy-saving-tips).