

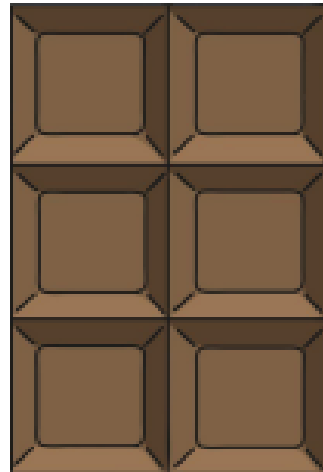
# Chocolate Rocks

## Science Experiment

There are different types of rock. One kind, called sedimentary rock, has been pushed down by heat and pressure underground.

### You will need:

- a bar of milk chocolate and a bar of white chocolate
- a cheese grater
- two plates
- a bowl
- cling film
- knife



### Method:

1. Place the grater on a plate and carefully grate the milk chocolate. Be careful using the grater, and ask a grown up for help if you need it.
2. Do the same for the white chocolate on a separate plate.
3. Lay the cling film in the bowl, leaving the ends of the cling film hanging on the outside of the bowl.
4. Put in a layer of milk chocolate, the one of white chocolate.
5. Keep doing this until all the chocolate is used up.
6. Pull the corners of the cling film up and wrap it up.
7. Roll the cling film around in your hands for about five minutes.
8. Leave the chocolate to cool down.

Ice Cube race. (www.physics.org)

Start with two ice cubes and predict (guess) which material will 'win' the race on a metal and a plastic container.

You could time the 'race' or video it. Add food colouring, flags, or customise your cubes. How could you stop the ice from melting? Think of your own questions you would like to investigate and test it out!



9. Unwrap the chocolate.

10. Using a knife, carefully cut through the chocolate. You will see layers of chocolate just like rocks.

### The science:

The heat your hands create and the pressure your hands put on the chocolate act like the heat and pressure applied to rocks underneath the ground.

### What you need

1. a plastic container
2. a metal frying pan
3. 2 identical ice cubes

### Instructions

1. Place the frying pan and the container upside down next to each other.
2. Quickly put an ice cube on each.

### Results & explanation

Heat can flow through the metal to the ice cube, but the plastic doesn't allow it to flow so freely.

Here are some websites you can use to find more experiments to do with the children.  
Don't forget to send us some pictures on Class DoJo!

<https://www.science-sparks.com/category/primary-science/key-stage-1-science/>

[www.physics.org](http://www.physics.org)

<https://www.teachitprimary.co.uk/science-resources/investigations/tags/2531>

<http://ciencyork.blogspot.com/?m=1>