

Home school science week beginning 29th June

This week we are looking at THERMAL INSULATION.

Insulators are materials which do not conduct **heat** very well and so we can use them to control **heat** and keep things hot or cold.

Have a look at this clip:

<https://www.bbc.co.uk/bitesize/clips/zkntsbk>

Have a look around your house and see if you can find some thermal insulators.

Make a list of them in a chart like this:

Name of insulator	What it is keeping warm or cold
Jumper	It keeps me warm by stopping my heat escaping.
Cool bag	Keeps drinks cool on a picnic

Experiment

How long can you keep a lump of ice before it melts?

Get 2 ice cubes or 2 small blocks of ice - you could freeze some water in yogourt pots.

Take one of your lumps of ice and wrap it in a thermal insulator.

Now you need to think like a scientist. Why have you got 2 lumps of ice? How will you show that your thermal insulator worked? What evidence will you collect? What could you do next?

I am really impressed with the work that some of you have sent me so far so please keep it coming