

Science for w/c 11/5/2020

L. O. Observe that some materials change state when they are heated or cooled

Listed below are some suggested activities that you could have a go at. You are not expected to do all of them and if you have other ideas feel free to do them instead or as well!

This video gives a little introduction to reversible and irreversible changes:

<https://www.youtube.com/watch?v=t94VqIFMvel>

Chocolate

Investigate whether different types of chocolate melt at the same rate - Place a square of chocolate or a chocolate button in a foil tray or small tinfoil boat, then float the foil in a bowl of hot water - be careful! Watch carefully as the chocolate melts - either do each type of chocolate separately and time how long each one takes to melt or do them at the same time and watch carefully. Can you make the chocolate solid again? How? Does it look the same?

Food

Make a list of different types of food - What happens when you heat it? Is the change reversible or irreversible?

Cooking

Have a go at making chocolate cornflake cakes:

150g of your favourite chocolate

1 tbsp runny honey

2oz butter

100g cornflakes or crispies or shredded wheat!

Melt the chocolate, honey and butter together – you can do this in a microwave if you like but you'll be able to watch the changes more closely if you put the ingredients in a bowl on top of a saucepan of hot water. Once everything has melted stir in the cereal. Next put spoonfuls of the mixture into paper cake cases. Where do you think you should put them to set?

Research

Investigate how glass is made or how different metals are shaped to make jewellery or other objects.

