

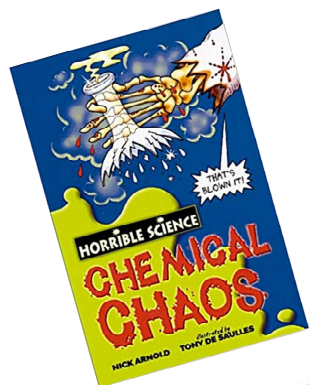
Dear Parents,

This half term our topic is all about properties and changes of materials. Each week we will have an investigation around materials. They will visit The Discovery Museum to look at their science exhibitions as well as Bede's world. Meanwhile, they will focus on Bronze to Iron Age in Britain for our History lessons. We will also be looking at clay pottery in art.

Mrs Timmins

Our recommended read:

This half term 'Chemical Chaos' will be available at the library or in school for you to borrow and share at home.



What are the **properties** of solids, liquids and gas?

Which **polymers** are the most **absorbent**?



Which **materials** make the best thermal **insulators**?

Which materials are **magnetic**?

Which materials are **soluble**?



Autumn 1

Things to remember:

Tuesday - PE day and forest school

Thursday - Reading books changed and PE day

Friday - Spelling test and library day

Thurs 26th Sept European Day of Languages

Date TBC - Trip



Solid particles

Any solid item is made up of these particles. They are all tightly packed together but do move – although we cannot see it.



Liquid particles

These move around and bounce into one another. They can be together or separate. We can see the movement of liquid with our eyes.



Gas particles

These move freely around wherever they are.

Useful words

Absorbent – something that can soak up liquid.

Insulator – does not easily let heat or electricity through

Irreversible – changes that are permanent and cannot be undone.

Magnetic - an invisible force or field that attracts or repels.

Materials – the substance used to make something.

Particles – what everything is made up of.

Polymer - found in items such as nappies

Properties – what a material can or can't do.

Separated – to set apart or keep apart

Soluble – it can be dissolved in water