

Our Inquiry: What happens when we mix things?

Tuning in...

We experimented with a variety of materials to see what happened when we added water and other liquids. We carried out some experiments, supplied by IPSEN Biopharmaceuticals, to gain an insight into the work of scientists in industry. We completed some concept cartoons to share our current understanding.

Main Focus – Science & Technology (Science focus)

Big questions: What happens when you freeze, boil, heat and melt materials? What does dissolve mean? What is melting? What happens when things get burnt? How can we separate materials? What is a fair test?

We will be learning about:

- Processes which change the state of a range of materials including freezing, melting, boiling, drying, dissolving and burning;
- How materials can be separated by filtering and sieving;
- How we use these processes in our everyday lives;
- How to carry out fair tests and investigations; ;
- How to carry out tests and investigations safely and with attention to detail.



Health & Wellbeing

Within our potions inquiry, we will understand that some substances and mixtures are harmful and dangerous such as illegal drugs and household chemicals. The decisions we make and how we engage with social influences can impact and affect our health and wellbeing.

We will be learning about changes that take place as we grow up.

My Happy Mind -
Engage module
Weekly Forest School.



What happens when we mix things?

Language, Literacy & Communication

Class Read - *Witches by Roald Dahl*
Our model text is *How to catch a house goblin*

Writing Opportunities

Instructions - we will be learning how to write instructions which we will then be able to apply to our science experiments and potion making. We will be learning how to use imperative verbs and using vocabulary to tell the reader the order in which to carry out the instructions. We will be considering our audience and learning how to vary our tone. We will be exploring the use of humour to engage our readers.



Humanities - History Focus

We will be learning about:

How scientists in the past have impacted the world today with their discoveries and curiosity. We will be looking at famous scientists who changed the world such as Marie Curie, Rosalind Franklin and Louis Pasteur.



Maths & Numeracy

- The Number System

Consolidation of addition, subtraction, multiplication and division. Times tables.
Year 5/6 - Ratio and Algebra
Geometry - Naming 2d and 3d shapes and understanding their properties.

Measures - capacity and volume.
Converting units.

