



Spring 2 – We are Scientists: *Developing Open and Curious Minds*



This theme is centred around the ever changing and developing world of science. Throughout this theme, we intend to share the importance of science with our children and ask them to consider the impact that science has had on their world and to think about the impact that science will have in the future. As scientists, children will be given the opportunity to ask questions, investigate and record outcomes and then draw conclusions from their findings. We will encourage children to look at the world through the eye of a scientist and remind them that in the world of science, many things are possible.

Year 5:

This half term Year 5 will be entering a world of spies and secret missions through the intriguing world created by Anthony Horowitz in Stormbreaker. They will start the topic with a 'Spy Day' taking part in activities that begin to help us understand the role and purpose of spy and to see if we have what it takes to join the ranks of Secret Service.

Theme Impact

Within this theme, Year 5 will have the opportunity to hone their skills as scientists through studying properties and changes of materials. We will also look at the artwork of Cheryl Sorg who produces work based on thumb and fingerprints and create our own versions. Our class text will be 'Stormbreaker' by renowned author Anthony Horowitz. This fast-paced text will capture the imagination of Year 5 and we will use this text to produce a range of writing, both fiction and non-fiction. A spy-themed day will start our topic, looking at what it takes to be a spy, what skills and qualities we might need and investigating what the role of a spy might entail.

Home Learning Project

Based on what you know about the text, design a new book cover and blurb for Stormbreaker.	Find out all about Anthony Horowitz and write a biography about him and his work.	Compose a piece of music that could be used in a Stormbreaker movie. You could use the James Bond theme as inspiration.	Help Miss McGowan understand how cardboard cups can be used to hold drinks but don't get soggy. Investigate this and teach her why!
The weather is getting (slightly) warmer – design a special lunchbox keeps the contents as cool as possible for as long as possible. Think carefully about the design and the materials that you would use.	Thinking about our Healthy Me PSHE focus, design a delicious and balanced meal that could go into your wonderful lunchbox.	Investigate foods that change state when they are cooked. Can you explain the changes in these foods? What must happen to the food for it to change? Is the change reversible or irreversible?	Create a scientific dictionary to give definitions for and to explain the following words: thermal, electrical, insulator, conductor, change of state, dissolve, solution, soluble, insoluble, filter, sieve, reversible and irreversible changes, burning, rusting, new material, pure, impurity.

Enrichment

During this half term, children will have many opportunities to take part in a number of exciting activities, such as: World Book Day, Science Week, Wellbeing day, Bell boating and a topic igniting 'Spy Day'.

Wider Curriculum

Art – Cheryl Sorg
 DT – Gadget Design
 PSHE – Healthy Me
 Music – Rhythm and notation
 Computing – Spreadsheets

Maths

Fractions, Decimals and Percentages, Perimeter and Area, Statistics.

RE

Lent, Holy Week

French

Children to continue with work on the planets from last half term.

PE

Dance , tag rugby

Class Text

