

Swansfield Express

Our learning this half term

The Battle of Britain

- Who was at war during World War II?
- How serious was the risk of invasion by Nazi Germany in June 1940?
- What did Hitler need to achieve if an invasion was going to succeed?
- Why did Britain win the Battle of Britain?
- What was the immediate impact of Hitler's change of tactics on 7th September 1940?

This half term, we will be heading back in time to investigate the impact of World War II and how it changed life in Britain.

We will be interpreting a variety of historical sources, exploring what they tell us about the past and considering their reliability.

Fancy getting ahead? Click here!

[CLICK HERE](#) 



DI



Digital world: Navigating the world

Our designers will be programming a navigation tool to produce a multifunctional device for trekkers.

We will learn to:

- Incorporate key information from a client's design request into a design brief.
- Write a program and identify errors (bugs) in the code and suggest ways to fix (debug) them.
- Self and peer evaluate a product concept against our design criteria.
- Identify key industries that use 3D CAD modelling and why.
- We will use Tinkercad software to develop a finished 3D CAD model of our products.
- Finally we will complete a product pitch plan that includes key information for a potential buyer.



Becoming a Scientist

- How many different materials can you identify in the classroom?
- How would you describe the 'properties' of each material?

It's time to find your safety goggles and start experimenting as we work scientifically to identify materials that are good thermal insulators as well as electrical conductors.

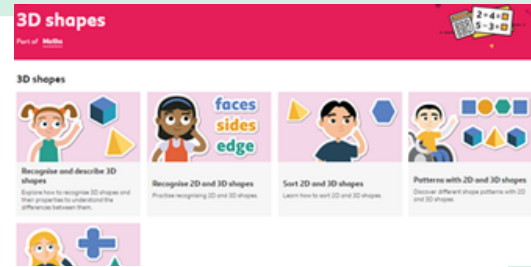
You will also need to use your knowledge of filtering, sieving and evaporation to separate a range of mixtures. Are you up for the challenge?

Computing



- How can apply my knowledge of programming to a new environment?
- How can test my program on an emulator?
- How can transfer my program to a controllable device?

It is time to become a master video game designer as we bring together sequencing, repetition, selection and variables to bring our coding to life with a micro:bit—a real, pocket-sized mini-computer that you can hold in your hand!



Year 5

Magnificent Maths

Decimals

Building upon our previous decimal work, we will apply our knowledge to help us add and subtract decimals. We will use our understanding of place value to enable us to multiply and divide decimals by 10, 100 and 1000.

Converting Units

We will be learning to convert between different units of measure, both metric and imperial.

Volume

Finally, we will end with investigating cubic centimetres, which will allow us to compare and estimate the volume and capacity of different shapes.

Year 6

Shape

For those of you in Year 6, we will be building upon your knowledge of angles from year 5 and using this to calculate missing angles within triangles and quadrilaterals.

I wonder who can remember what the angles in different polygons add up to?

Position and Direction

It's time to start reading and writing coordinates in all four quadrants, identifying which part of the axis is positive and which is negative. From this, we will then be able to accurately reflect and translate shapes.

Exciting English

Get ready for an incredible journey back in time to the Second World War with our new book, *When the Sky Falls* by Phil Earle! We will be following a fierce boy named Joseph, who is sent to live in London during the Blitz and forms an unexpected bond with a huge silverback gorilla named Adonis. Together, we'll explore powerful themes of friendship, anger, and survival, discovering what it truly means to be brave when the world around you is upside down.

Keeping Fit and Active

We will all have cricket sessions with Tom on a Monday afternoon. We then focus on developing our 'jumping, throwing and running' skills in our NUF sessions on a Friday.

Music

Charanga
Reflect, Rewind
and Replay

RE

What matters most
to Humanists and
Christians?

PHRSE.

Being Me in My
World
Who am I and how
do I fit?

MFL

Time Travelling
Let's go shopping!