Year 6

Experience: We will be creating a wire loop game using all of our electrical expertise and an actual working circuit.



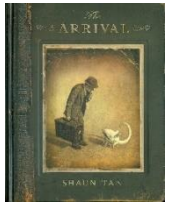
Topic:

Shocking : Exploring Electricity

English:

The children will be creating Travel Brochures for a variety of different countries and locations. They will need to research the key tourist attractions within these places and combine this with a range of persuasive features to entice the reader. We will also be publishing them on the computers.

After the travel brochures, Year 6 will be reading 'The Arrival by Shaun Tan'. This will explore the topic of immigration in a futuristic world. The children will be writing detailed, emotional diary entries – imagining how the main character's journey must have felt.



Science:

How does electricity effect our everyday life? The children will be exploring circuits and appliances, measuring voltage and looking at how every appliance creates resistance. Year 6 will also be looking at how circuits are used within buildings, applying this to their own designs and thinking carefully about safety features such as 'fuses'.

PSHE + RE: In PSHE, we will explore how we live in the wider world and practical skills needed for life in general, while in RE, the focus will be around Islamic rituals and key traditions.

Geography:

Beginning in Spring 1 but carrying onto Spring 2,Year 6 will be researching the key features of New York and how it has developed over the last several centuries. It will include the industrial revolution, the invention of the rail road, modern day skylines and famous monuments. We will also be comparing New York to other areas within North America and the UK.

Computing: Using our Purple Mash framework, the focus this term will be on coding (using algorithms to manipulate characters) and spreadsheets (inputting data and formulas).

French: Year 6 will be learning about how to name the planets in French and using adjectives to describe them.

Maths:

We will begin this half term exploring how to convert between fractions, decimals and percentages. We will also be recapping handling fractions, long division and applying units of measure to word problems.

After that, Year 6 will move onto Geometry where the focus will be on 3D shape properties, coordinate grids, reflecting and translating shapes across a 4-quadrant plain.

Arithmetic will remain consistent throughout Spring as part of the SATs preparation.

Art + Design Technology:

In DT, the children will be exploring mechanisms and using this knowledge to design a rotating fairground ride. This will also link to our topic of electricity and circuits.

PE:

Hockey – game rules, dribbling, passing and shooting.

Badminton – serving, lobs, smashes, team work and rallies.

Music:
In Music, we will explore the topic 'Amazing Machines' which teaches the children about 8-beat repetitive melodic and rhythmic patterns. The children will have to opportunity to compose and perform their own patterns while recording them using grid notation.