



Year 4 Spring Term 2023

Maths

Measurement

- To convert between different units of measure [for example, kilometre to metre; hour to minute]
- To measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
- To find the area of rectilinear shapes by counting squares.

Decimals and Fractions

- To divide by 1 and 100 to find decimals
- To recognise equivalent fractions
- To find fractions of amounts
- To add and subtract fractions with the same denominator

Science

To continue learning about Sound – Spring 1

Electricity – Spring 1

This half term, children learn about electricity. They revisit some uses of electricity and the importance of safety before constructing simple circuits. Understanding how to change a circuit by changing its components makes up the third part of this topic, leading in a final application of knowledge and skills when the children design and make an alarm using their knowledge of circuits.

States of matter- Spring 2

In this unit children learn about the differences between solids and liquids and recognise that the same material can exist as both solid and liquid. They identify changes that occur when solids and liquids are mixed and how to separate undissolved solids from a liquid. They learn that melting and dissolving are different and recognise that when a solid dissolves it is still there.

History

What Can We Find Out About Ancient Egypt From What Has Survived?

In this unit children find out about the way of life of people living in ancient Egypt from archaeological discoveries. Children will develop their understanding of characteristic features of a society; identify the different ways the past is represented; and use sources of information to make simple observations, inferences and deductions. Written Egyptian project.

English

Fictional writing

Using *The Firework Maker's Daughter* by Phillip Pullman

- To use fronted adverbials
- To write in paragraphs
- To punctuate speech
- To write a narrative and letter

DT/Art

Electrical torches

This unit enables children to apply knowledge about electric circuits that they acquire in science in a purposeful way by designing and making a simple torch. While all the designing and making skills will be used, there will be a particular emphasis on defining a set of clear specifications for the torch by considering who will use it and the conditions under which it might be used. The children also consider how the torch can be controlled by designing and making their own switch.

Geography

Volcanoes and Earthquakes

In this unit children will explore the dynamism of the earth, learning about the structure of the earth, looking particularly at the causes and distribution of earthquakes and volcanoes and their effects on landscape and people. They will be introduced to the 'Pacific Ring of Fire', the most active region on earth, and consider why people choose to live on the flanks of volcanoes and in earthquake zones when both can be life-threatening. They will learn that volcanoes have existed throughout geological time, and that there are many different types. In the Big Finish, the children will make their own erupting volcano!

P.E

Striking and Fielding – Spring 1

In this unit children learn to throw and catch so that when they are fielding they are able to work together to keep the batters' score down. They will also learn to strike the ball so that they are able to score runs. Throughout these activities the children must think about how they can use the skills, strategies and tactics that they are learning in order to score runs and outwit the opposition. Many of the skills they begin to develop here will be used across other areas of PE.

R.E

Hinduism – Spring 1

This unit focuses on Hindu beliefs about God and how Hindus worship.

Easter - Spring 2

In this unit children will be looking at the meaning of a commandment and finding out about the story of Jesus and Peter. They will recall the story of the crucifixion.

Music

Tempo markings- Spring 1 & 2

Start to explore tempo markings on the music, and know to look at the key signature to find out what the home note is.

Listening: Mozart, Eine Kliene Nachtmusik: Allegro

ICT

E-safety- Spring 1

Photo editing – Spring 1

In this unit, learners will develop their understanding of how digital images can be changed and edited, and how they can then be resaved and reused. They will consider the impact that editing images can have, and evaluate the effectiveness of their choices.