

English



Journalistic Writing

This is a non-fiction topic which involves looking at different types of writing within the media. The children will have the opportunity to write and perform radio scripts. They will also write newspaper reports which express different viewpoints.

Autobiographies and Biographies

In this unit the children will be taught to distinguish between biographies and autobiographies. They will use these skills to research and write their own biographies.

Persuasive and Balanced Arguments

The skills involved in writing both a balanced and persuasive argument will be looked at during this unit.

Maths



The key objectives covered will include:

- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
- Express missing number problems algebraically
- Find the ratio and proportion of known and unknown quantities
- Transform shapes on a grid using translation, enlargement, rotation and reflection
- Solve problems involving the properties of shapes, both 2D and 3D, using formulae
- Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
- Use understanding of position and direction to describe positions on a four-quadrant grid.

Science

Light

The children will learn:

- To cement knowledge of the Sun as well as other sources of light and to understand how light travels.
- To re-familiarise knowledge of how shadows are formed.
- To understand how various sources of light effect our sight.
- To explore how light reflects on different surfaces and how refracted light passes through various materials.



Electricity

Children will learn:



- To revise knowledge of how circuits are constructed.
- To understand and implement the array of symbols used to create circuits.
- To uncover the structure of a light bulbs and how the length and thickness of wires effect the flow of electricity.
- To formulate their own enquiries about the number/voltage of cells used in a circuit.
- To make predictions based on their findings and to learn the difference between parallel and series circuits.
- To employ their knowledge of simple circuits to controlled technology (i.e. traffic lights, fridges and burglar alarms) using online programmes.

- Calculate the area of parallelograms and triangles including the use of cubic centimeters (cm³) and cubic metres (m³)
- To visualise and draw on grids where a shape will be after a reflection, translation or rotation through 90 and 180 degrees

Art

We will be looking at the life and work of the Victorian designer William Morris. The children will find out about his life and how he developed his artistic and design ideas. They will analyse and recreate one of his designs using sketching techniques. Finally they will draw their own design in the style of William Morris and make a stencil to print out their own wallpaper.

History

During this term, the children will learn the factors that played a part in the escalation of WW1 in 1914. They will understand the legacy of the First World War and its significance in shaping the events in the Second World War. In addition, the children will compare and contrast the living conditions of children in the Victorian era and link to modern day expectations and experiences. They will look at laws passed during that time and enter into debates on their impact in the 21st century.



Indoor and Outdoor PE

Hockey

The children will develop their passing and shooting skills and use a selection of these skills whilst working in a team. The children will also develop their tactical awareness, as well as using defensive and attacking formations.



Music

Minor Scales

In this unit of work the children will be introduced to minor scales. They will learn how to sing and play each of the scales on tuned percussion instruments. They will find out about how minor scales are used to develop mood and emotion in music and learn how music uses minor keys.



Computing

We are app planners

The children will research different apps and their uses. They will use this information to plan and develop their own idea for an app.

They will have to create a presentation to introduce their app to the class and explain how it can be used.

Additional Information

Children must come into school with a fully stocked pencil case, including: x2 pen, x2 pencils, rubber, sharpener, ruler. Additional equipment like red and green pens, protractors and colour pens and pencils are allowed by not compulsory.

PSHE

The children will consider and understand the Rights and Responsibilities of the whole school community and their place within that group. In addition, to acknowledge the importance of the personal gifts and talents of individuals that are part of the group.

The children will learn how to develop their ideas co-operatively.



Useful Websites

Mathletics— www.mathletics.co.uk
<http://www.bbc.co.uk/bitesize/ks2/>
www.mrnussbaum.co.uk