



Grimsdyke School



English (Reading):

This term we will be reading 'Street Child' by Berlie Doherty. Students will discuss texts, developing their ability to explain the authors' intent or their opinion of them giving justifications using evidence or quotes. The children will be using the text to support their understanding of historical content and vocabulary from the time.

English (Writing):

The pupils will be writing a variety of text types based on the texts they have read, some of these include: narratives, letters and biographies. They will develop their use of complex sentence structures, punctuation and tenses in their writing. They will consider the audience for their writing, the level of formality required and how this can be achieved. We will continue to explore a range of spelling patterns and rules as well as exploring wood roots as a way of supporting spelling of new words.

Maths:

This half term, the students will continue to develop their understanding of place value and the number system. The students will build their understanding of multiplication and division, learning a range of mental and written strategies to carry out calculations. They will then apply these to tackle multi step problem solving tasks. Students will learn about statistics focusing on how to read, interpret and draw a range of graphs including line graphs that represent continuous data such as time or speed. In our work on geometry and shape, students will learn about area and perimeter. They will learn how to calculate each of these measurements, including how to apply some simple formulae for regular shapes.



Curriculum Map for Year 5 (Autumn Term) Theme: The Victorians



Science:

This term we will study a unit of work about the properties of materials. We will explore properties such as hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. Pupils will also study the ways in which materials can be changed and whether those changes can be reversed. Students will demonstrate how some materials change shape when they are altered.

For the second half term of term, pupils will learn about forces. They will build on their knowledge of friction, gravity and speed. They will conduct a variety of experiments and use scientific language to explain their understanding—they will also investigate levers, pulleys, and gears. Children will identify the effects of air/water resistance and friction on different surfaces. They will also learn how Galileo Galilei and Isaac Newton helped to develop the theory of gravitation.

P.E:

For the first half of the term, pupils in Year 5 will be learning Gymnastics. The children will learn about balance, flexibility and performance throughout the unit. Children will develop performances through creating a sequence of moves using apparatus at the heart of the sequence.

They will also explore invasion and team games, with a focus on 'football'. Children will:

- Learn to work as a team
- Understand the rules to a game and apply them

During the second half of the term, pupils will focus on 'Netball'. Children will:

- Learn the passes involved in the game
- Practise the appropriate footwork

PSHCE:

During PSHCE this term the children will be developing their knowledge, understanding and skills in four key social and emotional aspects of learning: empathy, self-awareness, social skills and motivation. They will study the Jigsaw unit – Being Me. The theme offers children the opportunity to see themselves as valued individuals within their community and to contribute to shaping a welcoming, safe and fair learning community for all. We will draw up our class charters and set goals for the year ahead.



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History:

This term students will work to complete the unit of study about The Victorians.

- *The daily life for different socio-economic groups in Victorian England.*
- *The industrial revolution and why it was a key moment in history*
- *Key inventions and developments in the Victorian Era.*
- *The British Empire*
- *The Monarchy in power at the time.*

We will be using our knowledge to learn about the concepts of democracy, wealth, status, poverty, as well as industrialisation. By the end of the term children will be able to explain the positive and negative impacts of evidence and sources, the significance of an event and present the outcomes of their research.

Geography:

This term students will complete our unit about 'Volcanoes, Mountains and Earthquakes'. The children will explore how volcanoes are formed; why and how earthquakes occur and will learn about some of the world's mountain ranges. In addition, children will find out about the structure of the earth and the elements that make up the earth's core. We will be exploring the different types of mountains. These include fault-block mountains, Fold Mountains, volcanic mountains and dome mountains. We will also explore the role of mountaineers, life in the mountains and the changes and challenges which mountains are facing due to the impact of human and environmental factors.

Computing:

This half term our focus will be on systems and networks.

Students will develop their understanding of computer systems and how information is transferred between systems and devices. They will explain the input, output, and process aspects of a variety of different real-world systems Students will learn about:

- *other services besides the web provided by the Internet*
- *how search results are ranked*
- *things they can share and things they should not share and explain the reasons*
- *the risks about who and who not to contact online*
- *digital literacy*

Music:

The focus this term is on listening and appreciating music. This will be done through the theme of "Our community".

Year 5 will also be taking part in the carol service at St Anselms Church.

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Art and Design:

We will be learning about William Morris. William Morris was a popular print artist during the Victorian era and has influenced many artists today. His floral prints are incredibly intricate and eye catching. The children will be creating their own Morris inspired floral prints and making gift bags/ wrapping paper.

Design Technology:

In design technology, students will be learning about bridges and the mechanisms that makes these effective. We will be learning about different designers and architects of famous bridges around the world.

French:

In French, students will study a unit of work about 'Family and friends'. They will learn how to extend their conversations by applying topics such as animals, homes and family members in detail. They will be expanding their vocabulary by using descriptive language and learn how to recognise 1st and 3rd person possessive adjectives.

R.E:

Our unit this half term focus on the consequences of our actions and what the religions of Buddhism and Jainism believe about this in particular. We will learn about:

- *the idea of responsibility and how this leads to good consequences (roles, rights and responsibilities)*
- *the core beliefs of the Dharmic religions*
- *what duty and karma mean in Buddhism and Jainism.*