

Year 3 & 4 – The Victorians



Mathematics

For Mathematics this term, the children will cover the topics of multiplication, division, fractions, decimals and measurement.

Year 3 will learn to multiply a two-digit number by a one-digit number with an exchange. They will learn to divide a two-digit number by a one-digit number.

The children will learn to compare and order non-unit fractions on a number line. They will identify equivalent fractions.

In measurement, year 3 will learn to measure in metres, centimetres and millimetres. They will add and subtract lengths to solve problems and will measure and calculate the perimeter of a shape.

They will also explore mass and capacity by measuring in grams, kilograms, litres and millilitres. They will compare mass and capacity of different objects and containers.

Year 4 will be exploring factors and factor pairs and how they can be used to support multiplication. They will learn to multiply a three-digit number by a one-digit number. They will learn to multiply and divide one and two-digit numbers by 10 and 100.

The children will learn to compare and order improper fractions and mixed numbers. They will explore fraction families to identify equivalent fractions. The children will learn to express tenths and hundredths as decimals.

For measurement, year 4 will explore how to measure in kilometres and metres. They will learn how to calculate the perimeter of rectangles and regular shapes.

English

Reading:

This term, the children will be reading the book 'The Iron Man' by Ted Hughes. This gripping, classic tale uses rich, poetic language and includes themes of friendship, betrayal and reconciliation. Through studying the text, the children will develop positive attitudes to reading and will develop a sound understanding of what they read. After half term as part of our 'Steps to Read' programme the children will be reading a range of texts on the theme of Forces, Magnets and Rocks. The books will support the children to develop their word reading and comprehension skills as well as to increase their knowledge of science topics taught so far this year.

Writing:

This term, year 3 and 4 children will be reading the books 'The Iron Man' by Ted Hughes, and 'Seen and Not Heard' by Katie May Green. The children will use the texts to write across a range of genres including narratives, explanation texts and instructions. They will be developing their use of inverted commas to punctuate direct speech as well as their knowledge of conjunctions, prepositions and adverbs to develop sentences.



The Big Picture – The Victorians



History – The Victorians

For history, the children will be learning about the Victorians. They will learn about important changes that happened in Britain during the Victorian era including the Industrial Revolution. The children will learn that many children from poorer families were forced to work in factories during this era. They will make comparison between the lives of rich and poor during the Victorian era. The children will also learn about significant individuals Lord Shaftesbury and Thomas Bernardo who successfully campaigned to improve the lives children at the time. The unit will be enhanced by a visit to the Milestones Museum where the children will take part in immersive workshops.



Computing

For computing, the children will be learning how to design and make a PowerPoint Quiz. The children will become familiar with the terms 'templates', 'orientation', and 'placeholders' and begin to understand how these can support them in making their own templates. They will consider careful choices of font size, colour and type. They will become more familiar with using a keyboard and mouse to enter and remove text.

Design and Technology – Bridges

This term, the children will learn about the famous Victorian engineer Isambard Kingdom Brunel. They will explore some of his famous bridge designs including the local Maidenhead Railway Bridge! They will learn how bridges are made strong and stable with arches and triangular structures. The children will then design, create and test their own bridge designs.

Geography – Map Skills

For geography, the children will learn to name and locate important cities of the Victorian era. They will look at the human and physical features of these places to identify why they grew in population during the industrial revolution. The children will learn to use 4-figure grid references and 8-point compass directions to build knowledge of the United Kingdom with a focus on London. The children will also conduct some fieldwork exercises to locate possible Victorian settlements in the local area.

Art - Printing

For art, the children will be exploring the famous Victorian print maker William Morris. They will use his famous wallpaper designs to inspire their own creations. They will learn about complimentary colours and will use Styrofoam to transfer their printing plate onto paper. They will create symmetrical patterns with more than one colour.



Music

For music, the children will learn about the famous Victorian composer Edward Elgar by listening to his 'Enigma Variations' compositions. They will learn that Elgar's musical variations reflected the people around him including one that captures the quirks of a friend, one that represented the memory of another friend being caught in a thunderstorm, and one that reflects the sounds of Dan the bulldog in variation 11. The children will compose their own short melodies to represent a person or event from their own lives. They will perform the compositions using various instruments including the recorder.



Science

This term, the children will be completing the science units 'Light', and 'Forces and Magnets'. They will learn that they need light in order to see things and that dark is the absence of light. They will learn that shadows are formed when the light from a light source is blocked by a solid object and investigate patterns relating to the size of a shadow. The children will also learn how light from the sun can be dangerous and about ways to protect our eyes from the sun. The children will learn that magnetic force is a non-contact force. They will observe how magnets attract or repel each other and attract some materials and not others.

Religious Education

For RE this term, the children will be learning about Hinduism. They will explore the question: How do Hindus understand God (Brahman)? Pupils will learn that the one God for Hindus is called Brahman and that he is represented in many different forms. They will explore the characteristics of these forms and draw conclusions about the qualities of one God. After half term, the children will explore the Christian celebration of Easter by exploring the question: How and why has Christian practice changed over time? The children will learn different features of church practices over the years.

PSHE

For PSHE this term, we will be exploring the topics of respectful relationships and caring friendships.

The children will learn about the importance of respecting others, even when they are very different from themselves. They will learn that most friendships have ups and downs, and that these can often be worked through so that the friendship is repaired or even strengthened, and that resorting to violence is never right. They will learn practical steps they can take to improve respectful relationships.

The children will learn about the importance of self-respect and how this links to their own happiness. They will explore different types of bullying (including cyberbullying), the impact of bullying, and how to get help for yourself or others. The children learn what a stereotype is, and how stereotypes can be unfair, negative or destructive.

Physical Education

For P.E. this term, the children will be practising skills across the sports of, basketball, handball and outdoor and adventure. They will practise and develop key skills for each sport including: passing, moving, marking and shooting. The children will also be exploring the 4 elements of dance: space, time, shape and energy. They will work to develop a whole class dance to showcase at our annual dance extravaganza.