

Year 3/4 – Cycle A- Autumn

**FULL STEAM
AHEAD!**

CHRISTIAN VALUES: 'LIFE'
LOVE, INTEGRITY, FORGIVENESS, EQUALITY

In this Unit pupils will explore the lives of children in the Victorian era, contrasting it with their own lives. They will explore how steam was used to power different machines, and consider the importance of steam power in the Industrial Revolution. The children will evaluate how different Victorian figures were affected by the Industrial Revolution, and whether they feel it was a good thing for Britain overall.

Big Question: Was the Industrial Revolution a good thing for Britain?

SMSC: Window moment: Looking outwards at the world & appreciating its wonders- both the awful and the 'awe-ful'. Pupils will observe the wonder of water in its different states - as a solid, a liquid and a gas.

Rich Texts:

The Boy Who Swam with Piranhas by David Almond

The Iron Man by Ted Hughes

Our Learning Values: 'REACHING'

- . **Responsibility** - be in control of their own learning,
- . **Evaluative** - evaluate what they have done and make changes if they need to
- . **Ambitious** - always want to do my best to reach my goals.
- . **Collaborative** - work with others, sharing my strengths and ideas.
- . **Hardworking** - strive to do their best in all they do
- . **Independent** - find and use what I need to help me.
- . **Nimble-minded** - be open to new ideas and ways of doing things.
- . **Gritty** - have a go and persevere especially when I find it difficult or don't enjoy it.

As Readers & Writers we will:

- Use inference skills to form opinions of a character.
- Write descriptions of different settings & characters.
- Track a character's emotions at different points throughout a story.
- Predict what will happen next in different texts, giving reasons related to what we have already read.
- Explore & use different techniques to build tension & show excitement in our writing.
- Explore & explain the structure of a morality fable.
- Consider how a story would differ from different perspectives, & show these through writing contrasting accounts showing different emotions.
- Write a prequel to the story of 'The Iron Man' to answer questions raised in the book.

As Mathematicians we will:

Year 3

- Understand that the value of a digit is determined by its position in a number.
- Understand that place value is based on unitising, treating a group of things as one 'unit'.
- Relate numbers to 5 & 10 to develop knowledge of number bonds within 20, & use these to help calculate with larger numbers.
- Use counting on as a strategy for subtraction, & recognise when to use this.
- Recall times tables facts & use these to help with calculations involving larger numbers.
- Understand what multiplication means, see division as both grouping & sharing, & see division as the inverse of multiplication.

Year 4

- Imagine the position of numbers on a horizontal number line to help us order them.
- Round numbers in context & understand that this may mean rounding up or down depending on the question.
- Partition numbers in different ways.
- Use rounding to estimate answers before calculating.
- Recall times tables facts & find links within the tables.
- Understand what multiplication means & see division as both grouping & sharing.
- Understand that division is the inverse of multiplication.
- Partition numbers in different ways to create equivalent calculations.

As Historians we will:

- Explore how the Victorians used steam to power the industrial revolution.
- Use primary & secondary sources to investigate change during the Victorian age.
- Look at how different people within Victorian society were treated & how that helped the Industrial Revolution.
- Understand how historical events can influence the modern day

As Scientists we will:

States of Matter

- Learn that materials can be divided into solids, liquids & gases (& relate this to water/ steam).
- Classify materials as solids, liquids or gases based on their properties.
- Understand that heating causes solids to melt into liquids & liquids to evaporate to gases
- Understand that cooling causes gases to condense to liquids & liquids to freeze to solids
- Understand that temperatures at which given substances change state are always the same.

Animals: Digestion:

- Understand that different animals have different diets, & have different teeth suited to this.
- Explain the different types of teeth, & the jobs of each.
- Explain the different parts of the digestive system & their job in the process.
- Understand what a food chain is & give examples

As British & Global Citizens we will:

- Consider how the Iron Man was treated by the community & relate this to how people can be treated in the world today.

Computing:

We will use the programme Scratch give an on-screen robot directional instructions (e.g. 90/45 degree turns) and move on to write more complex programs leading to varying outcomes. We will learn what inputs and outputs are and to use commands to draw a shape (e.g. square, rectangle and other regular shapes on screen).

E-Safety – the children will start to recognise cyber-bullying and how to keep themselves safe.

RE: Creation- Shabbat

In RE we will be focusing on the concept of Creation. We will look at this topic from both a Christian and Jewish perspective and compare the similarities and differences in stories from each religion. We will discuss the idea of 'Stewardship' and what we can do to be good stewards towards our own planet.

We will also be looking at the concept of 'Faith' through the Annunciation and considering what the world would be like if nobody had any faith.

MFL:

In French, our topic this term is 'All Around the Town'. We will be learning how to ask and answer questions such as 'Where do you live?' and 'What is your address?' We will then develop our vocabulary to begin to describe what our town is like in greater detail. We will also practice our numbers to 100 and be able to count in multiples of 10.

PE/GAMES:

Football: We will learn to be creative when dribbling the ball, making sure this is for a purpose. We will also develop our sending and receiving skills.

Gymnastics: We will use our own ideas for movement in response to a task, including combining arm actions with skips, leaps, steps, jumps and spins.

We will also learn to travel using various hand apparatus e.g. ribbons, hoops, ropes and balls.

Basketball: We will learn to use both hands to travel and transfer between them. We will also work in changing direction and building speed when dribbling, applying this to small-sided game play.

Dance: We will respond imaginatively to stimuli, creating and performing dances in small groups.

Art and Design Technology:

In Art, the children will conduct an artist study into Joseph Turner and recreate his work using watercolours. We will also practise drawing their self-portraits using charcoal. In Design and Technology, we will be learning about pulleys and gears and the different ways in which these can be used. We will then design our own Lego trains, incorporating this learning.

MUSIC: This term the children will have the opportunity to explore fairground music, exploring the timbre and texture of the music. They will create pictures as to how the music makes them feel and what picture it creates. Towards Christmas, they will explore 'Christmas is Coming', focusing on timbre and texture in music. As part of the children's instrumental learning each class will spend a term learning the recorder.

RSHE:

This term we will focus on how to be a good friend. We will look at how friendships support wellbeing and the importance of seeking support if we are feeling lonely or excluded; how to build good friendships, including identifying qualities that contribute to positive friendships; and how to recognise if a friendship is making them unhappy, feel uncomfortable or unsafe and how to ask for support. We will also focus on why we should eat well and look after our teeth. We will look at how to eat a healthy diet and the benefits of nutritionally rich foods; and how to maintain good oral hygiene (including regular brushing and flossing) and the importance of regular visits to the dentist.