

## Literacy

In Autumn 1, we travel back in time and into the life of Jim Jarvis, a child orphaned during the Victorian era. We will also be finding out about Victorian Crime to acquire facts for our non-fiction writing.

In Autumn 2, we embark on a thrilling mission with Alex Rider as he tries to discover the truth about his dad and some special secrets! Considering different perspectives on the events, we will present events in newspaper reports and add opinions of characters with quotes.

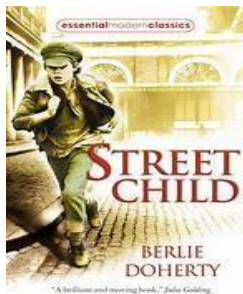
## Maths

Throughout the Autumn term, we will be focussing on the place value of numbers up to 6 digits, using written and mental methods for all four operations and solving problems involving time. We will also be focusing on multiplying and dividing numbers by 10, 100 and 1000. Solving two step word problems will be a huge focus this term, as we will explain each step when we write addition and subtraction calculations. To strengthen our mental arithmetic, we will be building various strategies that will help us to solve challenging calculations without jottings.

## Science

Let's get 'buzzing' about our Autumn topic of 'Electricity'. We will have the opportunity to carry out various experiments to find out about circuits and how the different components used in circuit will affect the electrical current.

# Year 5 Autumn



## R.E

In Autumn 1, pupils will explore the differing stories of creation, the role of God as the Creator of all things and the different interpretations of what the Bible says about creation. Pupils will also learn about the Christian views around science and faith. In Autumn 2, Pupils will also learn about the Christian belief that Jesus is the Messiah.

In addition, pupils will also look at how Christmas is celebrated in different parts of the world.

## Art and Design

In Autumn 1, we will be exploring the incredible art of William Morris - a significant artist from Waltham Forest. We will then be using bas-relief, a sculpting technique using clay, to create our own tiles reflecting his work.

In Autumn 2, we will become Q from the James Bond franchise and create our own gadgets using the different components of a circuit.

## PSHE

We will learn and debate about British Values and our place in the wider world. Then, we will explore how to make and maintain positive friendships.

## Computing

We will engineer components to print 3D models of Victorian homes and furnish these virtual houses with 3D furniture, decorating them in the style of William Morris. We'll go on to use Scratch to program our own times tables games - similar to TT Rockstars - using code to set bespoke questions based on the users' score and ability.

## Humanities

We are very excited to begin Autumn 1 term with all things Victorian! We will have the opportunity to learn about Queen Victoria, the Industrial Revolution and the lives of children during this period. We will be making comparisons between what childhood meant during the Victorian Era and the meaning of childhood in current society. In Autumn 2, we will be exploring our local area, collecting data and making comparisons over time.

## P.E

This term, we will focus on developing our passing, ball control and defending techniques during our football unit. We will also improve our stamina, agility and coordination during our exciting fitness sessions.

## Music

This term, we will investigate music from the Medieval period. We will explore how music styles varied during the Middle Ages and compare these to modern-day pieces.

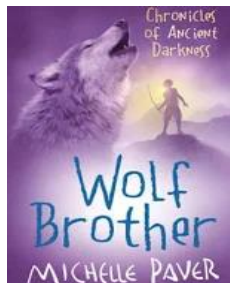
## French

In French, we will be learning words and phrases related to clothes using the verb 'porter'.

## Literacy

In Spring 1, we will be reading 'Wolf Brother'. We will learn about the life of Torak (a twelve-year-old member of the Wolf Clan) who must save his community from danger. Will he make it out alive or will the demonic bear succeed in destroying the Forest?

In Spring 2, we will be reading 'Guardians of the Wild Unicorns'. We will be following the journey of Lewis and Rhona, who find themselves caught up in a dangerous adventure, to save the last herd of wild unicorns.



# Year 5 Spring

## Maths

This term in maths, we will continue to work on consolidating our arithmetic skills and apply these to complex, multi-step problems. We will be learning about number and place value, fractions, decimals and percentages. We will be exploring the common link between the three areas and finding equivalences when looking at reasoning problems. In geometry, we will learn about coordinates on four quadrants and begin translating shapes.

## Science

This Spring, we will be observing many chemical reactions inside of our classrooms. We will understand what is meant by acids and alkalis and learn about pH levels. Through exciting, hands-on investigations, we will explore the various pH levels of different substances and understand how red cabbage can indicate whether a substance is an acid or alkali.

## R.E

In Spring 1, pupils will learn about the beliefs and teachings of Buddhism and make comparisons between those of Christianity and their own personal beliefs. Pupils will explore the noble eightfold path and how Buddhists try to follow the teachings of Buddha. In Spring 2, pupils will explore the accounts of Jesus' death and resurrection and discuss who might be responsible for Jesus' death.

## Art and Design

At Forest School, in Spring 1, we will be building on our History topic by creating our own Stone Age shelters and using Stone Age techniques such as stones to sharpen flint. In Spring 2, we will be looking at the work of Berry Fritz and create our own still life paintings of the natural world using her style.

## PSHE

We will be learning about health and well-being covering how to live a healthy and balanced lifestyle. We will also be learning about how images of people in the media can be distorted or changed.

## Computing

How are websites formatted and what is the code behind them? We will begin to learn HTML and CSS code, becoming familiar with text based programming languages such as Python. We'll also develop our 3D CAD skills further this term.

## Humanities

Are you ready to go back to prehistoric times? Throughout Spring 1, we will be learning all about the Stone Age. We will be uncovering how archaeologists have helped us to understand the past, the development of hunter gatherers and the early settlers in Britain. In Spring 2, we will be focusing on North America. Using our Virtual Reality headsets, we will explore the beauty of the Grand Canyon and consider the impact of tourism on this area.

## P.E

In hockey, we will practise dribbling, trapping, passing and tracking the ball. We will then move on to more advanced skills such as goal scoring and defending with the stick. In dance, we will choreograph creative sequences in small groups to music.

## Music

This Spring term, we will listen to music with focus, analysing its composition using musical vocabulary. We will also develop the use of dynamics in songs and learn a melodic ostinato using staff notation.

## French

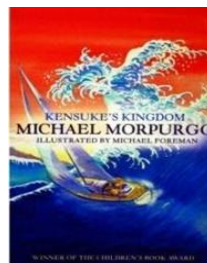
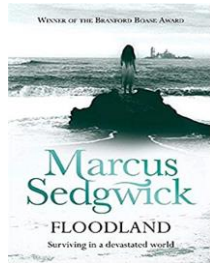
In our Spring term, we will explore the topic of 'Pets'. We will be able to name a variety of domesticated animals and say whether we have them in our homes. In Spring 2, we will then move on to naming different animals' habitats.

## Literacy

In Summer 1, we will be reading 'Floodland' by Marcus Sedgwick. England has been covered in water and the protagonist (Zoe) lives alone on the island of Norwich.

Can she survive the marauding gangs and navigate herself off the dangerous island?

In Spring 2, we will be reading 'Kensuke's Kingdom' by Michael Morpurgo. Washed up on an island in the Pacific, Michael struggles to survive on his own. With no food and no water, he curls up to die. When he wakes, there is a plate beside him of fish and fruit and a bowl of fresh water. He is not alone . . .



# Year 5 Summer

## Maths

This Summer term in maths, we will continue strengthening our understanding of fractions, decimals and percentages. We will then be measuring and calculating the size of angles in triangles, along a straight line and around a point. Finally, we will be using our knowledge of place value to solve conversions by either multiplying or dividing by 10, 100 or 1000. We will also be multiplying a decimal using a written method and explaining each step.

## Science

This Summer term in science, we will be focusing on the different states of matter. We will be learning about how temperature affects solids, liquids and gases and what happens to a substance when it cools and heats. We will also be studying reversible and irreversible changes, understanding and explaining why they happen.

## R.E

In Summer 1, pupils will explore what Jewish people believe, how those views are different to those of Christians and how Jews show their belief that God is present in the synagogue. In Summer 2, pupils will explore what kind of King Jesus is, looking at the Lord's prayer and parables that we can draw life lessons from, such as 'the Parable of the Feast' and 'the Parable of the Tenants'.

## Art and Design

In Summer 1, we will be creating our own bronze plaques out of clay, taking inspiration from the beautiful artwork produced in the ancient Kingdom of Benin. In Summer 2, we will be using a range of abstract artistic skills inspired by ocean scenes to help create our own unique interpretations!

## PSHE

We will be learning about relationships. We will be looking at how we can maintain a healthy self-concept, focusing on confidence, realistic self-image and self-worth.

## Computing

We'll use Scratch to program our own versions of Microsoft programs, understanding how software such as MS Paint is developed. We'll also use Microbits (small, pocket-sized computers) to discover how software and hardware work together and develop our understanding of physical computing.

## Humanities

Throughout Summer 1, we will be learning about the ancient Kingdom of Benin. We will explore the role of Obas, make comparisons between other civilisations and explore what led to the decline of this thriving kingdom.

In Summer 2, we will embark the Titanic and explore its adventures across the Atlantic ocean. We will be investigating how and why the Titanic sunk and how icebergs are formed. We will also examine extreme weather conditions and their link to global warming.

## P.E

In this unit, pupils are set challenges for distance and time that involve using different styles and combinations of running, jumping and throwing. As in all athletic activities, we will think about how to achieve our greatest possible speed, height, distance or accuracy and learn how to persevere to achieve our personal best.

## Music

We will explore music from animated films from the 1920s and make comparisons to present day movies. We will learn techniques for creating soundtracks and film scores, and compose our own music for a movie.

## French

In Summer 1, we will be able to recall the months of the year and learn how to say the date of our birthdays. In Summer 2, we will explore sports with the verb 'faire', focusing on the Olympic Games.