

## Literacy

Our first text this term will be 'Old Bear'. In our Big Write lessons, we will be using adjectives to describe Old Bear and his friends and also to describe the setting when Old Bear gets put up in the loft! We will then be reading 'Traction Man' and going on some very exciting adventures with him. Using time words, we will create instructions to help Traction Man cross the treacherous pond in the garden and use our senses to guess what Granny has bought them all for Christmas!

## Maths

Place value is our very first topic this term. We will be using a range of resources including counters, cubes, straws and Dienes to represent numbers and understand the difference between tens and ones.

Using this knowledge, we will solve number sentences using all four number operations and then explore addition and subtraction in the context of money by creating our very own toy shops! We will start to explore measures involving length using standard and non-standard units of measurement.

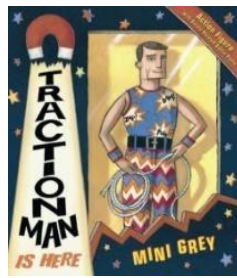
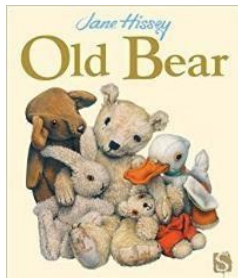
## Science

Autumn term for Science will all be about materials and plants.

Which material will be best to keep Old Bear dry in the rain? Which material can Traction Man scoot the fastest on? We will be exploring a range of materials to identify their properties and suggest which ones would be best to fit a particular role.

As we explore our local area, we will make observations of common garden and wild plants and make comparisons between them.

# Autumn Year 1



## RE

In RE, we will be exploring the creation of the world. Observing images and natural objects, we will start to consider what the creator might be like. We will be exploring the story of creating in Genesis and discussing what this story tells us about God. We will also be thinking about the importance of celebrating Harvest and what we are thankful for in our own lives. In Autumn 2, we will be exploring Sikhism and comparing the Sikh creation story to the Christian story.

## Art and Design

Inspired by 'Old Bear', we will be designing our own puppets. We will be creating templates and using a running stitch to connect the pieces. In Autumn 2, we will be exploring the work of Andy Goldsworthy and using natural items found in our local area to create sculptures of our own.

## PSHE

In PSHE, we will be thinking about the British Value of democracy and what that means for us in our lives. Together, we will construct and agree to follow a set of group, class and school rules. We will discuss communication: how we can communicate our feelings appropriately and recognise how our behavior can affect other people.

## Computing

Making links to our text of 'Old Bear', we will safely search for images of toys, upload them onto Stop Motion Studio and create a short animation to simulate motion. In Autumn 2, we will be programming Beebots to travel around Traction Man's map.

## Humanities

In Autumn 1, we will be jumping into our history lessons and exploring how toys, technology and buildings have changed over time using historical language and a range of sources (including our 3D printer) to identify facts and make comparisons. In Autumn 2, we will be working with Traction Man on our mapping skills. We will be exploring our local area using positional and directional language and using symbols to map out our playground and then create routes to follow.

## PE

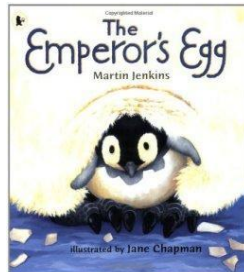
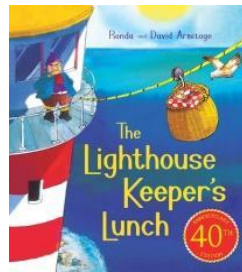
In our PE lessons, we will be developing balancing, stability and landing with control. We will explore running at different speeds and use our bodies to change direction. Later on in Autumn 2, we will be developing our ball skills by sending and receiving a ball by rolling and by dribbling with our feet.

## Music

In music, we will be clapping and copying a range of steady beats and making comparisons between the tempo of different songs. Using our voices and bodies as instruments, we will learn and perform a song with a steady beat.

## Literacy

In Spring 1, we will be reading 'The Lighthouse Keeper's Lunch' and learning all about Mr and Mrs Grinling's annoyance with some mischievous seagulls! We will be describing the setting of their coastal cottage and writing instructions for delicious lunches. In Spring 2, our writing will be inspired by the book 'The Emperor's Egg'. We'll enjoy learning about the world's most devoted dad: the male emperor penguin.



# Spring Year 1

## Maths

This term we will start by refreshing and extending our knowledge of place value before learning strategies and solving number sentences for all four operations. We will revisit measures by investigating volume and weight. This term we will also explore fractions and how they represent parts of a whole. We will identify fractions shaded on shapes and will use grouping and sharing to find fractions of amounts.

## Science

We will be learning about lights and circuits and using this knowledge, every week, to add to our 'class lighthouse'.

We will be exploring materials that are transparent, translucent and opaque and selecting the best one for the windows of our lighthouse to allow the light to shine through. Using a range of components including wires, batteries, switches and bulbs we will be creating, testing and investigating simple circuits.

## RE

What is a Buddha and how did Buddha teach that people should live? Why does Easter matter to Christians? We will be discussing these questions and linking our responses to the beliefs of Christianity, Buddhism as well as our own. We're also excited to invite our local vicar into class to discuss the importance of Salvation to some Christians.

## Art and Design

This term, we will be constructing our own lighthouses. We will start by studying the features of real lighthouses before choosing appropriate materials in which to make our own prototypes. Using TinkerCAD, we will then design and 3D print our own model lighthouses. After applying our scientific knowledge of circuits to light up a bulb, we will add a working light to our models.

## PSHE

We will be looking at health and wellbeing. We will be exploring the impact of having and maintaining positive and healthy physical and emotional wellbeing. We will also be exploring the British Values especially the value of tolerance and how we can live together and get along in school and in the wider community.

## Computing

This half term, we will develop our word processing skills as we help the Lighthouse Keeper to send letters and postcards home to his mainland friends and family. We will then be creating E books to teach others about animals living in Antarctica.

## Humanities

We will be helping the Lighthouse Keeper with his move to the coast, using geographical vocabulary to describe physical and human features and how it will differ from life in Walthamstow. We'll use positional and directional language and compass points to navigate our way around maps and look out from inside virtual lighthouses using our VR sets. In Spring 2, we'll be exploring the polar regions; comparing seasons, landscapes and animals.

## PE

In our indoor PE lessons, we will be exploring how we can use our bodies to create simple movements and actions and perform them with control in short dance phrases. In outdoor PE, we will develop our throwing, running and jumping movements to take part in a mini Olympics!

## Music

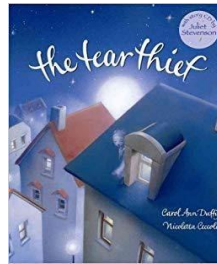
In music, we will be marking and performing a steady beat in patterns of 2, 3 and 4 beats. We will explore different ways to emphasise the first beat in a repeating pattern. Using a range of instruments, we will explore ways to vary their sound.

# Summer Year 1

## Literacy

In Spring 1, we will meet Bob and learn all about his life as the 'Man on the Moon'. We will write character descriptions and begin to choose our verbs carefully for effect.

In Spring 2, we will meet the mystical character known as 'The Tear Thief'. We will be developing our descriptive writing to develop characters and settings and write our own stories by following a plan and the structure of a story mountain.



## Computing

This term, we will be writing algorithms to launch Bob's rocket into space and bring it back again. We will create, run and debug our programs to ensure they work correctly. We will continue to program an on screen robot with commands including 'jump' and 'if'.

## Humanities

We will step back in time and imagine what it was like to be the first person to step on the moon. We will explore the achievements of Neil Armstrong and how space travel has changed over time.

In Summer 2, we will explore modes of transport and how they have changed and developed through history. We will consider the reasons for change and debate whether the developments have always contributed positively to the world.

## Maths

This term we will start again by refreshing and extending our knowledge of place value before learning strategies and solving number sentences for all four operations. We will revisit measures by investigating time and money. This term we will continue to explore fractions and how they represent parts of a whole. We will explore 2D and 3D shapes and be confident when describing their properties, making comparisons and recognising them in different orientations.

## RE

In Summer 1, we will be exploring Islam. We will explore what Muslims believe in and why the prophet Muhammed is important to them. We will learn about the five pillars of Islam and how they guide the lives of many Muslims.

In Summer 2, we will be discussing the question 'What do Christians believe God is like?'. By reading the Parable of the Lost Son, we will explore God as a parent who is wise, loving and forgiving.

## Art and Design

This term, we will be focusing on our engineering skills as we construct our own moon buggies! We will analyse the features of a space buggy and will consider a range of mechanical systems to improve the design.

Using TinkerCAD, we will design and print 2D flat pack that we can assemble. In the style of Kadinsky, will be using pastels and chalk to blend and shade.

## PE

In PE, we will be developing our ball and racket skills.

We will practise sending a ball with a racket and develop playing over a net and defending space. Using hula hoops, we will develop our coordination skills and stamina to help us run for longer periods.

## Science

We will start by exploring Bob's place of work on the moon and discussing the differences between the gravitational pull. As he works nearer to the sun, we will explore how to stay safe in the sun and will test the effectiveness of sun creams. We will learn how to keep our bodies healthy and will advise Bob on how he can keep healthy during his busy days. In Summer 2, we will explore gases through an onion and evaporation experiment.

## PSHE

We will be looking at health and wellbeing and how we can prevent germs and diseases from spreading by having good hygiene. We will also be discussing the positive relationships and networks that we have around us and the people that we can trust.

## Music

In music, we will be combining our voices with instruments and movement to perform a chant and a song. We will continue to develop our understanding of a steady beat and will play and combine simple word rhythms.

## Literacy

In our first text this term, we will meet an Akan folktale character - Anansi the Spider. He is known as a trickster and we will find out what he gets up to in the short stories. Our second text will introduce us to Akimbo who lives on the edge of an African game reserve. Using expanded noun phrases, conjunctions and commas in a list, we will be writing our own version of Akimbo and the Elephants.

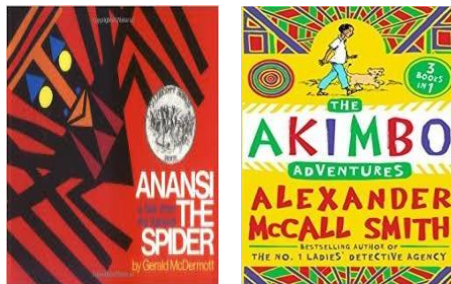
## Maths

Place value is our very first topic this term. We will be using a range of resources to represent numbers and understand the difference between digits in a number. We will use  $<$   $>$   $=$  signs to compare and order numbers up to 100. We will explore multiplication and division understanding how the commutative law affects some of the number sentences. We will explore measure through length and money by choosing and using appropriate standard units of measure. We will end the Autumn term looking at 2D and 3D shapes and identifying lines of symmetry.

## Science

Autumn term for Science will all be about humans and animals. We will be exploring and comparing life cycles and classifying animals using keys. Observing fossils, we will make predictions about herbivores, omnivores and carnivores and justifying our reasons. We will create a worm farm and investigate the conditions that allow the worms to thrive. To end our Autumn term, we will look at the human body and how we can provide a healthy diet. We will explore the effect that salt has on food and how exercise affects our bodies.

# Autumn Year 2



## RE

In RE, we will be exploring the story of creation in Genesis and discussing what this story tells us about God. We will discuss why God rested on the seventh day and how Christians are inspired by the story to look after the world. In Autumn 2, we will be exploring Hinduism. We will understand Hindu beliefs and explore the importance of the story Rama and Sita.

## Art and Design

In Autumn 1, we will observe sculptures created by Hank Willis Thomas and how he uses art to express themes of freedom, unity and mutual respect.

We will be exploring the work of Pablo Picasso. Using warm or cold colours to reflect mood and emotion, we will use a mixture of shapes to create a cubist piece of work.

## PSHE

In PSHE, we will be thinking about the British Value of democracy and what that means for us in our lives. Together, we will construct and agree to follow a set of group, class and school rules. We will discuss communication: how we can communicate our feelings appropriately and recognise how our behavior can affect other people.

## Computing

We will start this term by collecting data on minibeast and taking digital photographs. Uploading these onto an editor, we will edit by using filters or cropping and then add them onto a map of the location explored.

## Humanities

In Autumn 1, we will be exploring Africa! Locating countries, we will make comparisons between their location on the continent, landscapes and human features. We will make comparisons between our lives and the lives of children in a small region of Africa. In Autumn 2, we will be meeting two very important individuals from the past: Rosa Parks and Nelson Mandela. We will be exploring their lives and the changes that they made. We will understand the impact of Apartheid Law and the effect of the Montgomery Bus Boycott.

## PE

In our PE lessons, we will be developing balancing, stability and landing with control. In Autumn 2, we will be developing our throwing and catching skills and how we can demonstrate control when dribbling with our hands.

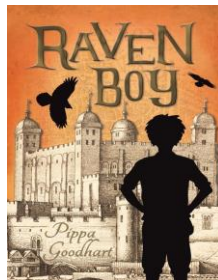
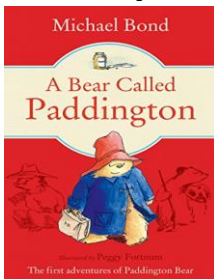
## Music

In music, we will be learning and performing traditional African songs and identifying pulse, pitch, rhythm and varied dynamics. We will listen to a steady beat and respond with movement. We will be identifying and responding to changes in pitch.

### Literacy

In Spring 1, we will be using the story 'A Bear called Paddington' to inspire our literacy writing. The children will undoubtedly enjoy retelling the comical but embarrassing situations that Paddington finds himself in as he tries to adjust to British culture.

In Spring 2, we will be visiting London in 1660s with the story of Raven Boy. We will be writing vivid descriptions of London at the time and delving into the adventures of Nick who is befriended by a raven.



## Spring Year 2

### Maths

In Spring 1, we will be revisiting the four operations. We will be exploring the relationships between the operations by looking at how using the inverse operation can help to check our answers and help to solve missing number problems.

In Spring 2, we will be looking at measures. We will learn the different units of measurements for mass, capacity, length/height and temperature. We will use our times table facts to help us read scales that go up in a range of intervals.

### Science

This term we will be learning about materials. We will be exploring the properties of materials and ways in which to classify them. We will investigate the process of melting and dissolving using a range of experiments. We will finally discover the importance of knowing materials when recycling.

### RE

What does worship mean to Muslims? Why does Easter matter to Christians? We will be discussing these questions and linking our responses to the beliefs and practices of Christianity, Islam as well as our own. We're excited to visit our local church to find Easter symbols and how these symbols are used to remember Jesus' last days in Jerusalem.

### Art and Design

This term we will be exploring the incredible art of Stephen Wiltshire. We will be creating a London skyline using a pencil sketch and a range of shading techniques.

Using TinkerCAD, we will put our engineering skills to the test as we design a new London landmark.

### PSHE

We will be looking at health and wellbeing by commenting on what makes a healthy lifestyle including the benefits of physical activity, rest, healthy eating and dental health. We will discuss how to make informed choices that improve our physical and emotional health. In Spring 2, we will discuss bullying and how it makes people feel.

### Computing

We will be helping Paddington to communicate safely with Peru, thinking about how digital communication, messaging services and social media can be useful when used safely and responsibly.

### Humanities

What is the difference between a city, a town and a village? We'll discover what exactly makes a capital city, why are they located in certain areas and how they contribute economically to a country before focusing on London and the landmarks that can be found there. We'll use coordinates to plan a route for a London bus tour and describe the physical and human features of London.

Then we will go back in time to 1666 and find out how the Great Fire of London began and why it caused so much destruction.

### PE

We will explore space and how our bodies can move to express an idea, mood, character or feeling. We will expand our knowledge of travelling actions, use them in relation to a stimulus and build on their understanding of dynamics and expression.

### Music

In music, we will be understanding pitch through singing, movement, note names and musical scales. We will be exploring melody through songs, movement and performing pitch shapes on tuned instruments.



## Literacy

In Spring 1, we will meet Bill who wakes up to be treated very differently to usual! We will explore stereotypes and will consider how we can show character emotions rather than tell.

In Spring 2, we will meet George as he attempts to make a very marvellous medicine to make his Grandma a nicer person! Challenging ourselves to choose powerful language to describe the variety of ingredients, we will create exciting concoctions of our own!

## Maths

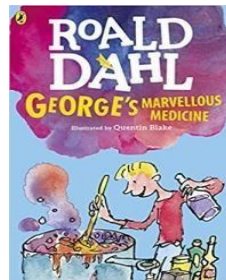
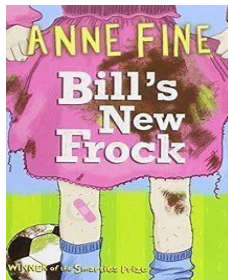
This term we will be recognising and using the inverse relationship between operations to solve missing number problems and check answers. Using mini clocks, we will tell and show the time to five minutes including quarter past and quarter to the hour. In geometry, we will describe position, direction using mathematical language. We will recognise rotations as turns and identify quarter, half and three quarter turns both clockwise and anticlockwise.

## Science

Summer term brings us plants and forces and lots of exciting experiments!

We will investigate the oxygen released by pondweed and link our findings to issues around deforestation and consider the different ways that seeds are dispersed, Moving onto forces, we will identify and recognise push and pull forces around us. Following lines of enquiry, we will test air resistance and magnetism.

# Summer Year 2



## RE

In Summer 1, we will be exploring Judaism. We will explore Jewish beliefs and the importance of the Shabbat to Jews.

In Summer 2, we will be discussing the question 'What do Christians believe God is like?'. By reading the story of Jonah and the Whale, we will consider what this story tells us about the nature of God and how Christians can use the story to guide their beliefs and improve themselves.

## Art and Design

Experimenting with watercolours and wax crayons, we will create washes and blottings to create sunsets and seascapes.

We will mix primary colours to create secondary colours and experiment to find the right balance of water to create a wash.

## PSHE

We will be looking at health and wellbeing and how we can prevent germs and diseases from spreading by having good hygiene. We will also be discussing the positive relationships and networks that we have around us and the people that we can trust and how we can respect the differences and similarities between people.

## Computing

This term, we will be writing algorithms in Scratch. We will be join codes to program our sprites to walk, talk, bounce =, fly and float. We will run a script on different commands and consider different ways to control what a sprite does and when.

## Humanities

In Summer 1, we will explore Islands around the world. Using symbols and coordinates, we will create maps of Scottish islands and represent the physical and human features.

In Summer 2, we will travel back in time and explore the lives of Florence Nightingale and Mary Seacole. We will understand why they are such important women from the past and how they impacted and changed nursing to give us what we know today.

## PE

In PE, we will develop throwing, catching and racket skills, learning to track and hit a ball and will learn to play against an opponent and over a net.

Through invasion games, we will develop our understanding of attacking and defending and what being 'in possession' means.

## Music

Using simple notations, we will play, create and combine rhythms using body percussion and instruments. We will sing and play a variety of pitch shapes, using movement and ready from scores.

### **Literacy**

In our first text this term, we will explore the exciting myths and legends of Ancient Greece. In our writing, we will create our own mythical creatures and understand the features of a true myth.

Our second text will introduce us to Hogarth and the mysterious Iron Man. Following his journey starting from a precarious step off a cliff, we will explore and write in the style of Ted Hughes.

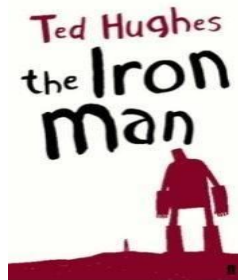
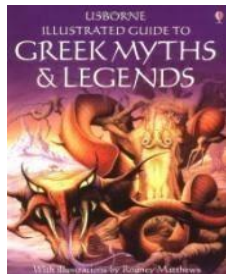
### **Maths**

Place value is our very first topic this term. We will be using a range of resources to represent numbers and understand the difference between digits in a number. We will use  $< > =$  signs to compare and order numbers up to 1000. We will explore multiplication and division using facts for the 3, 4 and 8 multiplication tables. We will explore fractions counting up and down in tenths and using diagrams to recognise families of equivalent fractions. At the end of Autumn, we will learn to tell and write the time from an analogue clock including using Roman numerals.

### **Science**

Autumn term for Science will all be about light and space! We will be explaining what darkness and light are and investigating light using a spectroscope. We will explore how light travels, how we can change its direction and make observations using a periscope. Later on in the term, we will be looking closely at our solar system: naming, explaining the positions and the orbits of the planets.

## **Autumn Year 3**



### **RE**

In RE, we will be thinking about the world that we live in and exploring the creation story. We will explore what Christians believe about God's world and how the world can be looked after. At harvest time, we will consider who we should help and the many ways that we can do this. In Autumn 2, we will be exploring Hinduism and comparing it to other religions.

### **Art and Design**

We will look at the importance of bread in Greek culture and how it compares to the bread we regularly eat. We will follow a recipe to make our own dough and bake it in the school kitchen. In Autumn 2, we will manipulate wire into shapes to create our very own mythical creature sculptures. Using TinkerCAD, we will engineer our designs to create a solid 3D creature!

### **PSHE**

To understand the terms democracy and rule of law and why they are important. Through debate, we will explore how to give our opinions on health and well-being. We will understand what makes a positive, healthy relationship, including friendships and the differences between secrets and nice surprises.

### **Computing**

This term, we will be writing algorithms in Scratch. We will program our sprites (Icarus) to fly up to the sun and then for his wings to melt and him come tumbling down. We will add sound effects and animate a conversation between Icarus and Daedalus using wait blocks to ensure they don't talk at the same time!

### **Humanities**

We will travel back in time to Ancient Greece and explore the states of Athens and Sparta. Studying artefacts, we will explore Ancient Greek warfare and the role of mythology.

In Autumn 2, we will step into modern-day Greece and explore its physical and human features. We will make comparisons between and region in Greece and our local area and then look closely at the geography of Mount Olympus.

### **PE**

In hockey, we will develop our dribbling skills with a hockey stick. We will develop open stick dribbling, dribbling to beat a defender and sending with a push pass. In gymnastics, we will focus on improving the quality of our movements and will be introduced to the terms 'extension' and 'body tension'.

### **Music**

The children explore songs and poems about places. They create accompaniments and sound pictures to reflect sounds in their local environment.

### **French**

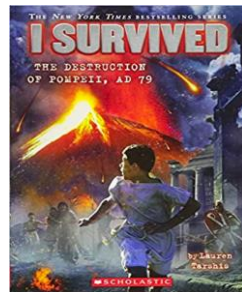
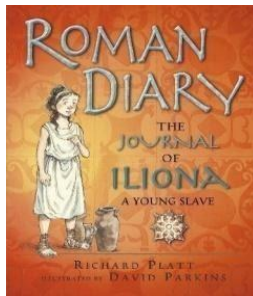
We start our French lessons this term by learning the alphabet and practising letter strings before moving on to feelings and how we can express how we feel.

# Spring Year 3

## Literacy

Our core texts for this term will be centred around ancient Rome. We will be reading about Marcus's terrifying experiences in Pompeii when Vesuvius erupts in 'I survived the destruction of Pompeii' during our first half term.

In the second half term, we will read about Iliona's experiences from Greece to Rome and experience the luxury, excess and politics of Roman life through her eyes in 'Roman Diary The Journal of Iliona'.



## Computing

This term we will be understanding the use of data and how information is stored. We will learn about cloud based storage as well as how the internet works! We will be also creating our own animations based on the Roman gods!

## Humanities

In Spring 1, we will conduct our own field work studies in our local area. Using mapping and a variety of digital tools, we will observe and examine features of our local area, conduct an investigation and then present our findings.

In Spring 2, we will explore Ancient Rome and the achievements of the Romans. We will investigate how Boudicca rallied her troops and led them into revolt

## RE

What is the Trinity? We will begin to explore this question by looking at Baptism in churches today and comparing the baptism of a baby to an adult. Later on in the term, we will learn more about Sikhism and how the lives of Sikhs show us that they follow rules. We will ask questions about beliefs and make comparisons with other religions.

## Maths

In Spring 1, we will be revisiting the four operations. We will be using mental and formal methods to solve calculations. As we revisit fractions we will be recognising, finding and writing fractions of a discrete set of objects or amount. We will be adding and subtracting fractions with the same denominator and solve fraction problems.

In our measures unit, we will be exploring length using mm, cm, m and km and measuring accurately using the intervals on a scale.

## Art and Design

In Spring, we will be exploring and understanding the mechanics of a pulley system and how it was used in the past before electronic machinery. Using TinkerCAD, we will design and print components to create a functional product.

## PE

We will create dances in relation to an idea: working individually, with a partner and in small groups, sharing their ideas. We will learn to use canon, unison, formation and levels in their dances.

## Science

This term we will be focusing on plants. We will be learning about the life cycle of a plant, what they need to survive and different plant adaptations. We will have plenty of exciting experiments to investigate plant life and test variables to see if our predictions are correct.

## PSHE

We will be looking at health and wellbeing by commenting on what makes a healthy lifestyle including the benefits of physical activity, rest, healthy eating and dental health. We will discuss how to make informed choices that improve our physical and emotional health.

In Spring 2, we will discuss bullying and how it makes people feel.

## Music

We will develop our understanding of beat, metre and rhythm. We will combine melodic and rhythmic patterns, and use staff notation as part of a final performance.

## French

We will explore Ancient Britain and the Romans using be able to use J'ai and J'habite to explain where you live and what you have.

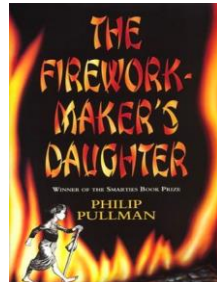
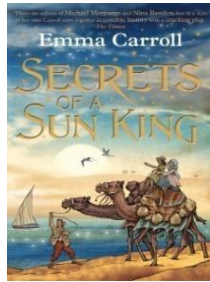


# Summer Year 3

## Literacy

In Summer 1, we will meet Lil and her friends as they embark on an incredible journey - to return the package to its resting place, to protect those they love, and to break the deadly pharaoh's curse.

In Summer 2, we follow the footsteps of Lila in an inspiring story of her dream to become a firework-maker just like her father. We will choose language carefully to describe her personality and engage the reader in her adventure.



## Computing

We will create algorithms to create Egyptian patterns for Cleopatra's cloth. In Summer 2, we will use a camera and a data logger to measure the temperature, the amount of daylight and the amount of cloud today and input data into a spreadsheet.

## Humanities

In Summer 1, we go back in time and place Ancient Egypt on a timeline. We will understand Egyptian society, its structure and why pharaohs were so important.

In Summer 2, we will step into modern-day Egypt and will be looking at the importance of the River Nile and the effects of climate change.

## Maths

This term we will be exploring mass and capacity using the appropriate units of measure including g, kg, ml and l. We will use our multiplication knowledge to read scales with missing numbers. Looking at simple 2D shapes, we will be measuring the perimeter and starting to work out missing lengths with the information given. Looking at pictograms, bar charts and tables, we will interpret and present data and be able to answer questions by analysing the data.

## RE

We will be exploring Islam and how Muslims show respect for Allah in everyday life. Describing the different ways in which people express their faith, we will understand why Muslims fast during Ramadan and celebrate Eid-al-Fitr.

We will then explore the Christian feast of Pentecost. We will consider the importance of the Pentecost story, explore the disciples' emotions on the day of Pentecost and discuss the importance of the Holy Spirit to Christians and their faith.

## Art and Design

Following our Ancient Egyptian study and our understanding of mummification, we will construct canopic jars from mixed materials.

## PE

In football, we will be developing competencies in key skills and principles such as defending, attacking, sending, receiving and dribbling a ball. We will learn to work one on one and cooperatively within a team, showing respect for their teammates, opposition and referee.

## Music

We will explore ancient Greece with music inspired by Orpheus, Echo and Theseus. We will perform a song cycle and a round, and compose our own ostinati.

## Science

Summer term brings us rocks! We will be observing and investigating the properties of different rocks. We will learn how igneous rocks are formed and explain how the speed of cooling affects the crystals inside. We will compare these to sedimentary and metamorphic rocks and discuss weathering and erosion.

## PSHE

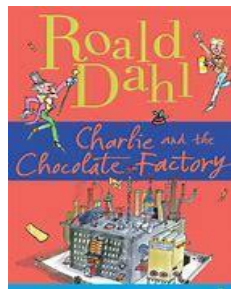
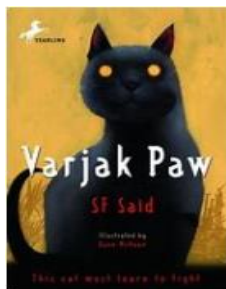
In PSHE, we will think about changes that can happen in life and the feelings associated with this. We will recognise that change brings about emotions and come up with ideas for dealing with change. We will also explore how we might experience negative pressure and how to manage this.

## French

In the Summer term, we will be exploring animals and fruit. We will be able to name common animals and fruit.

### Literacy

This half term, we will be writing action stories based on the novel, Varjak Paw by S.F. Said. Our reading lessons will involve delving deeper into the character of Varjak to understand why he is so eager to venture into the outside world. In Autumn 2, we will be reading Charlie and the Chocolate Factory by Roald Dahl. Our reading lesson will look at how Charlie and his grandad join a small group of contest winners who get to tour the magical and mysterious factory of eccentric chocolatier, Willy Wonka.



## Year 4 Autumn

### Maths

A huge focus throughout our Maths lessons will be learning and recalling the multiplication and division facts for all of the times tables up to  $12 \times 12$ . We will be learning how to multiply by 10 and 100, explaining what happens to the digit when we do this. We will also be looking at methods to strengthen our mental arithmetic, using our number bonds where possible. By the end of the year, pupils should be able to recall all of these facts with speed and accuracy. Let's get practising, Year 4!

### Science

Our Science topic throughout the whole Autumn Term is materials. Each lesson will involve a practical activity or experiment, such as comparing conductors and insulators, investigating the properties of plasticine and testing the hardness of different materials. We will be studying the importance of both materials and we use them in everyday life including the materials printed by our 3D printer! We will learn how to make predictions and analyse our results.

### R.E

Most of our R.E lessons during this Autumn term will focus on the religion, Hinduism. We will learn about the main Hindu beliefs and discuss the similarities and differences between Christianity and Hinduism. Following this, we will be exploring the concept of creation in Christianity.

### Art and Design

In Autumn 1 we will be using our design and sewing skills to produce alpaca-themed slippers. Our slippers will need to be thoughtfully designed, carefully stitched and suitable for wearing. In Autumn 2, we will design and create our own Mayan soap using intricate and unique Mayan hieroglyphs. Once finished, we will be presenting our soap bars as gifts to family and friends!

### PSHE

This Autumn term, we will be discussing British Values and the wider world. We will look at how citizens can influence decision making and tolerate different faiths and beliefs.

### Computing

We will use databases and spreadsheets to organise the logistics of owning an alpaca. To calculate costs and keep to budget, we will use the formula tool. We will also set criteria to make sure they are correctly fed and exercised.

### Humanities

Our topic work during Autumn 1 will have a Geography focus, as we learn about the wonderful world of alpacas. Not only will the children be able to visit the alpacas at St Saviour's Forest School, they will also learn how to look after them from an expert! We will then move on to explore South America as a continent. In Autumn 2, we will be travelling back in time to the ancient Mayan cities with towering pyramids, saunas, monumental sculptures, and enigmatic hieroglyphs. We will also have the chance to discover how chocolate was an important part of Mayan culture!

### P.E

This term, we will be developing our swimming skills and strokes. We will also be developing our basketball skills including passing, dribbling, shooting and teamwork.

### Music

This term, we will be looking at sorting instruments by timbre. We will explore how musical dimensions create descriptive pieces.

### French

Our Autumn term will start with animals and habitats. We will be able to name a variety of habitats and describe the plants and animals that live there.

### Literacy

In Spring 1, we will be setting off with Hiccup and Toothless on wild adventures in *How to Train Your Dragon*! We will extend our descriptive language and sentence construction to bring the characters and the setting to life in our writing. For Spring 2 we will be crash landing in the Amazon and fending for ourselves in *The Explorer*. We will also have non-fiction texts to support our learning based on the Vikings and an exciting diary of an expedition into the Amazon.

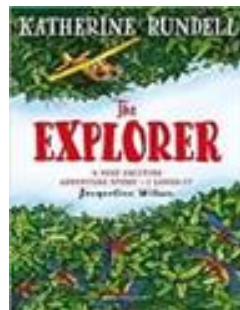
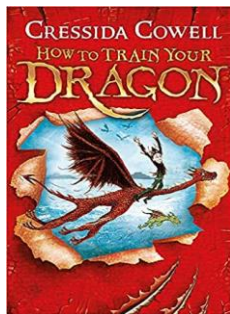
### Maths

Throughout the Spring term, we will be focusing on the place value of numbers, using written and mental methods for all four operations and solving problems involving fractions. We will add and subtract mentally pairs of two digit numbers and find a different by counting on. We also be looking at multiplying and dividing a one digit number by a two digit number. Keep logging on to TTRockstars website at home to practise your times tables knowledge.

### Science

We will be using the force this term as we're learning about gravity, rockets, parachutes and magnetism! We will have the chance to study the amazing scientists Sir Isaac Newton and his contribution to understand the world around us. We will delve further into understand forces of attraction, gravitational pull and matter and engage in a range of fun and practical experiments.

## Year 4 Spring



### R.E

In the Spring term, we will be learning about Judaism: exploring its practices and the links with Christianity. We will also be gaining a deeper understanding into the concept of Salvation and the role of Jesus in Christianity.

### Art and Design

In Spring 1, as part of our Topic, we will be experimenting with the medium of pastels in order to create portraits of Vikings.

In Spring 2, we will be becoming Eco-Warriors by recycling materials to create our own selfie frames using the quilling.

### PSHE

We will be looking at our British values, how to treat each other respectfully with anti-bullying and how to look after ourselves with healthy eating!

### Computing

Throughout this Spring term, we will be creating our own music digitally as well as editing and mixing our own tracks! We will also be writing code to create our own game based on critter catching!

### Humanities

Spring 1 takes us back in time to meet the Vikings! We will be exploring where they came from and why they invaded. Looking at different perspectives, we will explore stereotypes and opinions on raids. We will also be investigating how and why trade was so important to them.

In Spring 2, we will be locating and examining rainforests around the world. Revisiting South America once more, we will dive into the world's largest and most bio-diverse rainforest – The Amazon Rainforest – and explore the cultures and tribes that call it home.

### P.E

Pupils will be developing their teamwork, passing and defence skills as they learn how to play tag rugby. We will also be finding our rhythm with lessons based on dance.

### Music

This term, we will be creating our own songs using various instruments. We will perform our songs by repeating rhythms and chanting in three parts.

### French

In French we will be learning about family names and relations. We will be able to ask and answer questions about ourselves.

### **Literacy**

In Summer 1, we will be going on a journey with Ruskin Splinter who dreams of being a great actor. Unfortunately, the school bully seems to get in his way but Ruskin soon finds solace with the kind school caretaker. Will Ruskin be able to prove to the street that he really is a hero?

Spring 2 will take us on a magical journey to Narnia with four new friends: Peter, Susan, Edmund and Lucy! We will challenge ourselves to describe this enchanted setting and create an informative guide for anyone who may stumble through a wardrobe of their own!

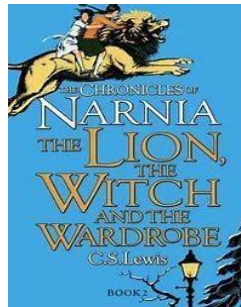
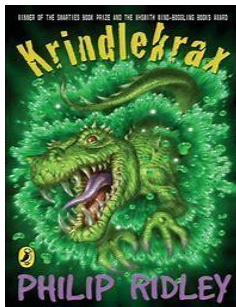
### **Maths**

Throughout the Summer term, we will be focusing on fractions and their equivalences. We will also be solving word problems involving fractions and inverse operations. We will then move onto looking at negative numbers, counting backwards and solving multi step problems with involving differences. Keep logging on to TTRockstars website at home to practise your times tables knowledge.

### **Science**

This Summer term, we will be learning all about human health and fitness. By exploring how exercise affects our heart rate and breathing we will understand the functions of different organs in our body and how we can keep them healthy. We will have the opportunity to engage in a range of fun and practical experiments to test predictions and variables.

## **Year 4 Summer**



### **R.E**

For the Summer term, we will be learning about Sikhism. We will look at the 5K's of the Sikh belief and how they contribute towards spirituality and faith. We will also be gaining a deeper understanding into the concept of Pentecost and the role of Jesus in Christianity.

### **Art and Design**

In Summer 1, we will be investigating various mechanical systems and then engineering our own Millennium Eye using CAD to design and manipulate. Once printed, our challenge will be to add an electronic component! In Summer 2, we will be creating our very own exiting coat of arms, to symbolise key elements associated to our family and heritage.

### **PSHE**

This term, we will be looking at how to build positive relationships and work collaboratively with others. We will also be looking at the affects of stereotyping and how we can overcome this to become better people in this world.

### **Computing**

Throughout this Summer term, we will be looking at the importance of data security and creating our very own interactive website for others to use and explore!

### **Humanities**

In Summer 1, we will be looking at coastline and rivers. We will be studying how seas shape coastlines in the UK and abroad and make comparisons. We will investigate key geographical concepts such as physical processes and human effects on the environment. We will then look at possible solutions to help maintain and protect coastlines in the UK. In Summer 2, we will be exploring the amazing Norman society and their contributions to the world. We will then move on to exploring the Battle of Hastings and how it contributed significantly to British history.

### **P.E**

We will develop the key skills required for tennis such as the ready position, racket control and forehand and backhand ground strokes. We will learn how to score points and how to use skills, strategies and tactics to outwit the opposition.

### **Music**

In music this term, we will perform a jazzy song about forces. We will also compose and notate pentatonic melodies.

### **French**

This term in French we will be learning about weather and how to hold a conversation at a café.

### 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.

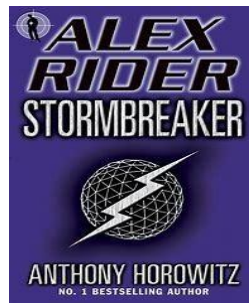
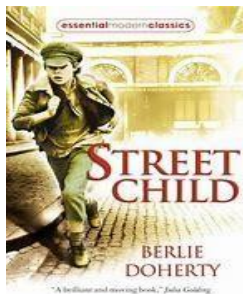
### Maths

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

Buddhism will be our topic for the start of Autumn 1. We will look at how Buddhism looks at detachment from material possessions and being only connected to God. We will find out about the origin and practices of the religion before we studying a Christianity unit, 'Creation and Fall', towards the end of the half term.

### Art and Design

In Autumn 1, we will be exploring the incredible art of William Morris - a significant artist from Waltham Forest. In Autumn 2, we will be using clay, to create our own tiles with illuminated letters. We will then be using our clay designs as stencils to make wallpaper in the style of famous artists. Using CAD, we will design and print our tiles and compare the print quality with our original clay ones.

### PSHE

This term, we will learn and debate about British Values and our place in the wider world.

### 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. Finally, we will be offering guided tours around them.

### 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 the Mediterranean. Using maps and atlases, we will locate the countries that surround the Mediterranean Sea and make comparisons between them and the UK.

### P.E

Pupils will focus on developing the skills they need to play continuous rallies in volleyball. They will learn about the ready position, ball control, sending a ball over a net and how to use these skills to make the game difficult for their opponent.

### Music

This term we will learn a melody and a harmony on instruments to accompany a song. We will also conduct a metre of four.

### French

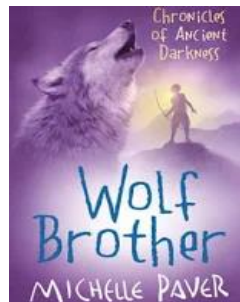
In French, we will be learning words and phrases related to clothes using the verb 'porter'.



### 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, in the Middle Stone Age- who must save his community from danger.

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



### 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.

### 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 prehistoric past, the development of hunter gatherers and early British settlement.

In Spring 2, we will be focusing on North America. Using VR, we will be exploring the Grand Canyon and considering the impact of tourism on this area.

### Maths

This term in maths, we will continue to work on solidifying 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 be looking at coordinates and translation and knowing precise vocabulary when describing shapes.

### R.E

We will start our spring term by learning about incarnation and the view of Jesus as a saviour. We will then move onto learning about Islam and the significance of worship in the lives of Muslims. In Spring 2, we will look at Jesus' resurrection and compare it to the Christian celebration of communion.

### 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 creating our own still life paintings in her style.

### Science

This Spring term in science, we will be focusing on acids and alkalis. We will be learning about what pH is and investigating the various pH levels of different substances. We will also be learning how red cabbage can help us identify if something is an acid or an alkali.

### P.E

In cricket, we will develop the range and quality of striking and fielding skills. We will learn how to play bowler, wicket keeper, fielder and batter, thinking about how we use skills, strategies and tactics to outwit the opposition.

### 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.

### 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.

### French

In our Spring term, we will explore the topic of 'Pets'. We will be able to name a variety of pets and say whether we have or do not have a pet. We will also be able to ask the name of someone's pet.

### Literacy

In Summer 1, we will be reading 'Plague' by Tony Bradman. Daniel has been locked in his own home, doomed to die alongside his infected family. Can he find a way to escape before he catches the disease too?

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, of fruit, and a bowl of fresh water. He is not alone . . .

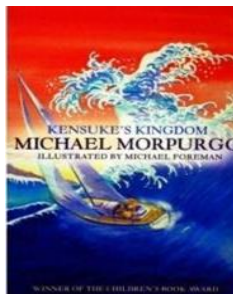
### Maths

This Summer term in maths, we will continue to work on solidifying our arithmetic skills and apply these to complex, multi-step problems. We will be comparing capacity and volume and converting different units of measure. We will be using a 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 state of matter. We will be learning about how temperature affects different states of matter 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.

## Year 5 Summer



### R.E

In Spring 1 we will explore Judaism and the significance of worship in the lives of Jewish people. In Spring 2, we will be looking at what kind of King Jesus was and his role on Earth. We will be considering different possible meanings for biblical texts studied, showing awareness of different interpretations.

### Art and Design

In Summer 1, we will be using exploding diagrams to construct our very own chair! We will then embark on an engineering project where we design chairs to meet a specification. In Summer 2, we will be using abstract art 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

In Summer 1, we will be using Raspberry Pi to create and produce our own music! We will understand the user interface and type a set of instructions into programme panel, allowing us to experiment with increasing and decreasing tempo.

### Humanities

Throughout Summer 1, we will be learning about the Great Plague. We will be looking at how and why the plague spread and the possible symptoms and cures many people faced.

In Summer 2, we will embark on 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, pupils think about how to achieve their greatest possible speed, height, distance or accuracy and learn how to persevere to achieve their personal best.

### Music

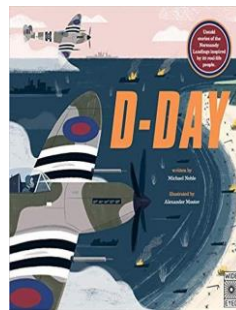
Exploring music from 1920s animated films to present day movies, we will learn techniques for creating soundtracks and film scores, and compose our own movie music.

### French

We will be able to recall the months and learn how to say when our birthday is and how to ask someone else. We will also explore sports with the verb 'faire'.

## Literacy

This Autumn term, we will be reading the text 'Goodnight Mr Tom'. We will explore the life of William Beech, a wartime evacuee, whose life changes when he meets Thomas Oakley! Analysing the characters in depth, we will form fact files of information about them and be able to make meaningful inferences about them. Inspired by the story, we will put our literacy skills to the test to write biographies and autobiographies. We will use this text and D-Day to further immerse ourselves into our history unit of WW2.



## Year 6 Autumn

## Maths

This Autumn term in maths, we will be focussing on solidifying our arithmetic skills and beginning to apply these to complex, multi-step problems. We will begin by studying place value, working with numbers up to 10 million! We will be looking at multiplying and dividing numbers by 10, 100 and 1000 and using that knowledge to solve decimal calculations. We will be looking at negative numbers in worded problems and finding explanations to either agree or disagree with mathematical reasonings.

## Science

This term in science, we will be mastering our science skills throughout our unit on 'Sound'. We will be exploring how sound travels, how wavelengths differ and most important of all can we really see sound? After this, we will be exploring a biology topic, using microscopes to explore our cells, and learning all about microorganisms.

## R.E

We will be learning about the Buddhist way of life in RE this term. We will be exploring the key beliefs that Buddhists have and think about the messages and morals behind their teachings.

## Art and Design

Throughout the Autumn term, we will be looking at various communication devices and how they have evolved throughout time. Inspired by these devices and how we they have enabled communication even in the most difficult of times, we will create our own Morse Code and send messages to our peers!

## PSHE

What do the British Values mean to us? We will be exploring what they mean and how they are used in our country.

## Computing

We will use App Maker software to create apps to teach children in other schools all about Anne Frank. We'll add buttons, text, images, sounds and quizzes to our apps and test them out on tablets.

## Humanities

Throughout the Autumn term, we will be learning about World War Two. We will be studying the consequences of WW1 and the build up to WW2. We will dive deep into the impact of WW2 both across the UK and other parts of the world. We will be looking at the effect of rationing, evacuation and propaganda on the country. We will have the opportunity to deeply analyse War in Britain and how and if society has learnt lessons from the past.

## P.E

Basketball - Pupils will develop key skills and principles such as defending, attacking, throwing, catching, dribbling and shooting. Pupils will learn to use attacking skills to maintain possession. They will also be encouraged to think about how to use skills, strategies and tactics to outwit the opposition.

## Music

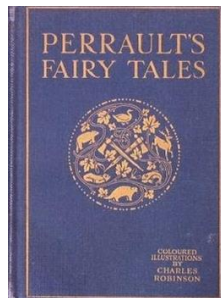
This term we will be exploring beat and syncopation through song and body percussion.

## French

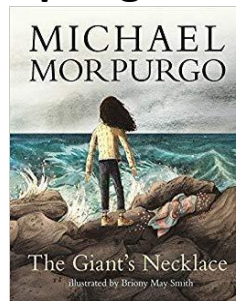
In French, we will be learning words and phrases connected to our topic of WW2. We will be able to answer true or false statements related to evacuees.

### Literacy

In Spring 1, we will be looking at classic fairy-tales written by French author, Charles Perrault. We will explore how and why adaptations have been made over the years. Following Perrault's inspiration, we will be writing our own fairy-tale but with a gruesome twist! In Spring 2, we will be studying The Giant's Necklace, we will read about the tragic tale of Cherry and a little on the history of Cornwall's industrial past. The studying of this book, will culminate in writing a newspaper article about the events of the story.



## Year 6 Spring



### Computing

This term, we will develop our own 'story idea generator' app. We will test them out on tablets to make sure the code is accurate and consider how to market them so that others can download too! We will also be looking at how to stay safe when using social media apps.

### Humanities

In Spring 1, we will be studying the impact of ocean pollution on the world. We will focus on the Great Pacific Garbage Patch and the consequences the world will face if the ecosystem continues to be damaged at the current rate. In Spring 2, we will be learning about Crime and Punishment through the ages from the 1450's until the last century. Furthermore, we will be studying real-life cases such as the Derek Bentley case and debating stances on Capital Punishment.

### Maths

This Spring term in maths, we will continue to work on solidifying our arithmetic skills and apply these to complex, multi-step problems. We will be learning about algebra, statistics and ratio and proportion before moving onto geometry and place value. When looking at algebra, we will be focusing on formulating expressions and solving the nth term when studying a sequence of number. When looking at ratio and proportion, we will be looking at the comparison of two values and its link to fractions.

### R.E

We will be starting this Spring term by learning about incarnation and the view of Jesus as the Messiah in the new and old testament. We will then move onto the journey of life both in Christianity and other religions. In the lead up to Easter, we will turn to how the story of Jesus' resurrection makes a difference to the lives of Christians today.

### Art and Design

In Spring 1, we will be delving into the world of recyclable fashion to create our own unique handbags or wallets using recycled material. In Spring 2, we will be looking at the work of Banksy. We will create our own art, inspired by Banksy, to portray key messages about protecting the environment.

### P.E

We will improve on key skills used in dodgeball such as throwing, dodging and catching. We will also learn how to select and apply tactics to the game to outwit our opponent.

### Science

This Spring term in science, we will be focusing on Biology and learning about different types of microorganisms alongside the circulatory and skeletal systems. We will then move onto Chemistry and look at changes of state and the processes of filtration, chromatography and distillation.

### PSHE

This Spring term, 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.

### Music

This term, we will be devising rhythmical actions to sing to traditional Ghanaian songs.

### French

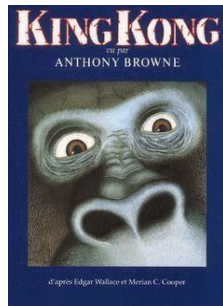
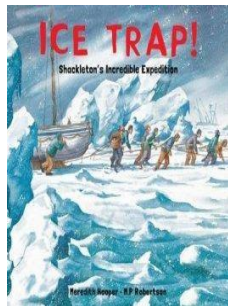
In French, we will be learning words and phrases connected to us in the world and how we can be responsible global citizens.

### Literacy

In Summer 1, we will be reading 'Ice Trap!' It's August, 1914: Shackleton sets off from England with a team of explorers to walk across the Antarctic and study the icy depths of this little-known and forbidding continent..

Will they survive the perilous seas?

In Summer 2, we will be reading 'King Kong'. We will follow the journey of a giant gorilla who moves to NYC and becomes trapped between his show master and being in love – who will conquer?



## Year 6 Summer

### Computing

In Summer 1, we will consider the concept of online representation and reality – how are they different and how do we prevent ourselves from being unhealthily engrossed with online presence? In Summer 2, we will create an online yearbook to help us remember all of our friends and teachers and will use TinkerCAD to design and 3D print models of ourselves as a memento!

### Humanities

In Summer 1 we will be studying Baghdad and the rise of the Islamic Golden Age. We will go on a journey through the Silk Road and discover how Baghdad was the trade capital. We will learn about the great scholars who contributed to modern-day science and maths as we know it and how great minds, from all over the world, came to study under the Islamic civilisation. In Summer 2, we will whizz around the world to Japan. We will be comparing its physical and human features to the UK and exploring its exciting culture and traditions.

### Maths

This Summer term, we will be consolidating all of our learning with challenging multi-step word problems and quick arithmetic calculations. We will focus on solving algebraic equations, converting units of measure, comparing volume and capacity and interpreting graphs. We will have the opportunity to expand our maths by justifying and reasoning our operations and use of certain calculations. We will be looking at how we can solve calculations most effectively and accurately, ensuring our answers are correct.

### R.E

In Summer 1, we will learn about Islam and how Muslims perform their holy pilgrimage of Hajj every year. We will explore how Muslims believe in being part of one Ummah (world) and how that links to Christianity and being part of one shared community. In Summer 2, we will look at Christianity and the importance of forgiveness.

### Art and Design

In Summer 1, we will be designing and stitching together a beautiful quilt to tell the tale of our time and journey through school. In Summer 2, we will be designing our own woodblock pattern and imprinting our designs on t-shirts and Japanese fans.

### Science

This Summer term in science, we will be focusing on adaptation and evolution. We will be studying how organisms can be bred to have different characteristics and whether selective breeding has more advantages than disadvantages. We will also be studying the works of Charles Darwin and his theory of evolution.

### PSHE

This Summer term, we will be focusing on transitions. We will be looking at how to cope with change and why changes happen. We will also be looking at prejudice and discrimination – why and how they occur.

### P.E

We will take part in a range of fitness challenges to test, monitor and record our data. We will learn different components of fitness including speed, stamina, strength, coordination, balance and agility. We will be given opportunities to work at our maximum and improve our fitness levels.

### Music

With two songs, one looking back and one looking forward, and a musical device for linking them we celebrate our happy memories and our hopes for the future.

### French

We will be able to express opinions on subjects that we like and dislike at school before moving on to explore the planets in the Solar System.