



**BATTLE PRIMARY**  
ACADEMY

**CURRICULUM  
OVERVIEW**

**SPRING TERM 1**

**2023 - 2024**

## **Vision**

“Empowering opportunity”

Our core purpose is to positively improve the future of our community by empowering children to achieve their full potential.

## **Mission**

We provide a broad and balanced curriculum, which empowers all our children to develop the confidence and perseverance to become successful learners who make a positive contribution to their community and society.

# Our curriculum

At Battle Primary Academy, our knowledge rich, child-centred curriculum secures firm foundations in English and Mathematics which underpins growing excellence in all other subjects. The uniqueness of every child is acknowledged and valued. As such, our curriculum recognises and celebrates the diverse backgrounds and experiences from which our children originate.

We offer a curriculum that is broad, balanced, relevant and ambitious. The curriculum at Battle Primary Academy is built on strong pedagogical principles, with every child encouraged to meet and achieve their potential.

Our curriculum ensures that learning is effective, exciting, culturally rich, prepares our pupils for the next stage of education and above all, is relevant to the needs of our children.

We teach discrete subjects, making links where possible so that the children secure the disciplinary knowledge and language they require to really understand a subject. In Maths, we follow the White Rose Maths scheme of work to develop mastery. Our reading is taught using RWI Phonics and Fresh Start for those children learning to read and whole class reading lessons for the rest of the children. Our writing lessons are based on a focus text and we use the Talk For Writing approach to develop the oracy and writing skills of all. We have adopted the Cornerstones curriculum for teaching the foundation subjects. This is a high-quality, subject-driven curriculum for Nursery to Year 6 which follows a clear knowledge and skills framework and is expertly sequenced and interconnected.

***Empowering opportunity and improving life chances is fundamental to everything we do.***



# Our learning values

These are our learning values that all children develop and recognise in their approach to learning.

Each half term we focus on one of these areas and explore with the children the skills and attitudes they need to grow in order to be successful. We promote this through assemblies, rewards and dedicated lessons.

These core learning values are at the heart of the culture of our school and is part of what makes our school a super place to learn.

<b>Responsibility</b>
<b>Resourcefulness</b>
<b>Relationships</b>
<b>Resilience</b>
<b>Reasoning</b>
<b>Reflection</b>

# **NURSERY**

## **COMMUNICATION AND LANGUAGE**

We will be learning to start a conversation with an adult or a friend and continue it for many turns. We will be learning to express a point of view and to debate when they disagree with an adult or a friend, using words as well as actions. We will be learning to sing a large repertoire of songs, know many rhymes and be able to talk about familiar books.

## **PERSONAL, SOCIAL AND EMOTIONAL DEVELOPMENT**

We will learn to play with one or more other children, extending and elaborating play ideas. We will continue to follow rules, understanding why they are important and remember rules without needing an adult to remind them. We are learning to talk about our feelings using words like 'happy', 'sad', 'angry' or 'worried'.

## **PHYSICAL DEVELOPMENT**

We will begin going into the hall for PE lessons which will include taking off our shoes and socks independently. We will start with Gross Motor Skills. Children at the expected level of development will: Negotiate space and obstacles safely, with consideration for themselves and others; Demonstrate strength, balance and coordination when playing; Move energetically, such as running, jumping, dancing, hopping, skipping and climbing

## **LITERACY**

Our focus texts are 'Peace at Last' by Jill Murphy and 'Owl Babies' By Martin Waddell. We will understand the five key concepts about print (meaning, different purposes, read English from left to right and from top to bottom, the names of the different parts of the book and page sequencing). We will listen to and join in with the repeated phrases. We will engage in extended conversations about these stories, learning new vocabulary. We will practice retelling them by taking part in pretend play and develop the stories using props and small world equipment.

## **MATHEMATICS**

We will be learning to develop fast recognition of up to 3 objects, without having to count them individually. This is known as 'subitising'. We will talk about and explore 2D and 3D shapes (for examples, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. We will compare quantities using language: 'more than' and 'fewer than'.

## UNDERSTANDING THE WORLD

In the Starry Night project, we will explore the differences between the world at night time compared with daytime, through a range of exciting and creative activities. We will find out about nocturnal animals and how they find food when it is dark. We will find out about people who work at night and the different jobs that people do when we are asleep. We will discuss bedtime routines and the importance of a good night's sleep. We will explore the night sky and find out about the Moon and stars. In RE our question for the term is 'How do people celebrate?' We will focus on Islam.

## EXPRESSIVE ARTS AND DESIGN

We will be looking at Vincent Van Gogh's painting Starry Night and studying the brush strokes and colours he used. Focussing on mark-making, we will experiment with different tools to create our own starry-starry night wall frieze. After looking at the moon's surface close-up, we will create moon-crater textures using printing techniques. We will be making our own sock cuddle pets and embellishing them to keep us company at night. We will be extending our experiences of mark making and printing to create owl babies prints. Finally, we will create our own Van Gogh style starry night paintings using silver foil for our canvas.

## USEFUL LINKS

[Learning Journey](#)

[Knowledge Organiser](#)

[Purple Mash](#)

[Oxford Owl eLibrary](#)

# RECEPTION

## COMMUNICATION AND LANGUAGE

We will be encouraged to talk to our peers and adults and hold back and forth conversations. We will be encouraged to use new vocabulary that we have learnt in a meaningful way. We will learn to re tell familiar and new story's and predict what might happen next. We will work in small groups, class and in one-to-one situations.

## PERSONAL, SOCIAL AND EMOTIONAL DEVELOPMENT

In PSED, we will be focusing on ' Dreams and Goals'. We will learn about the meaning of 'resilience' and how to overcome problems or challenges. We will also learn the importance of setting personal goals and working towards these. We will continue to learn how to self-regulate our emotions and how to express what we are feeling in a positive and safe way. We will also continue to build and strengthen friendships with our peers.

## PHYSICAL DEVELOPMENT

In our PE lessons, we will practice climbing up apparatus, using alternate feet. We will develop our skipping and hopping skills as well as learning to balance on one foot and hold a pose. We will continue to develop our gross motor skills outside by climbing, balancing, playing team games as well as practising our throwing and catching skills during our independent learning time.

## LITERACY

Whilst exploring our new project 'Long Ago', we will look at a variety of fiction and non-fiction books such as 'Rosie's Hat' and Big Alfie and Annie Rose storybook book focus. We will read these next and re tell these stories as a class and one to one with an adult. We will be encouraged to ask a range of questions about new and old texts we have learnt.

We will continue to practise forming our letters and we will be beginning to write simple sentences with capital letters and full stops. We will be encouraged to use our phonics knowledge to sound out what we can hear in each word.

## MATHEMATICS

We will be introduced to the number zero. We will learn how to compare numbers up to 5 using the vocabulary: more than, less than and equal. We will use our exciting knowledge and understanding of addition to find different ways to compose (make) the numbers 4 and 5. For example,  $0+4=4$  or  $1+3=4$ . We will concrete Maths to support us as well as solving real life problems. Towards the end of the term, we will be comparing mass (weight) and capacity.



## UNDERSTANDING THE WORLD

Throughout our 'Long Ago' project, we discuss how we have grown and changed since we were babies and how life in the past was different from today. We will look at and handle artefacts to help us learn more about toys from the past and we hope to invite some grandparents into school to share their childhood experiences so we can compare them to our own.

In Science, we will be learning about light and shadows. We will investigate how the shape and size of shadows can change.

In RE, our question for the term is 'How do people celebrate?'. We will focus on how different religions and cultures celebrate New Year across the world.

## EXPRESSIVE ARTS AND DESIGN

In music, we will explore how we can use our voice and bodies to make sounds, experiment with tempo and dynamic when playing instruments, identify sounds in the environment and differentiate between them.

In Art, we will study famous sculptors like Giacometti, Henry Moore, Edmonia Lewis and Degas and see how they represent the human form in 3D. We will try to make our own sculptures and human forms using silver foil, wire and clay.

## USEFUL LINKS

[Learning Journey](#)

[Knowledge Organiser](#)

[Purple Mash](#)

[Oxford Owl eLibrary](#)

RECEPTION

YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5

YEAR 6

# YEAR 1

## ENGLISH

Our focus text will be 'Dogger' by Shirley Hughes. We will use the key features and ideas from this text to create and write our own story about finding something we've lost. We will be learning how to write noun phrases, use capital letters for names and using the suffix 'ed' to change verbs to the past tense.

## MATHEMATICS

In our 'Place Value to 20' unit we will:

- Learn to count objects reliably to 20
- Learn to use a number line to 20
- Compare and order numbers to 20
- Learn how to estimate where numbers are on a number line.

In our 'Addition and Subtraction to 20' unit we will:

- Learn how to add and subtract within 20
- Learn our number bonds to 20
- Learn how to find doubles
- Learn how to solve missing number problems.

## SCIENCE

In our 'Plants' unit we will learn to identify and name a range of wild and garden plants and identify and describe the structure of common flowering plants. We will be looking at a range of different plants growing around us and identify which ones are wild and which ones are garden plants.

## COMPUTING

In computing we will be learning about pictograms. We will learn that we can show data in picture forms and how to read this data. We will create class pictograms and be able to talk about what this shows. We will also be able to create our own pictograms to show data from experiments that we have carried out.

## ART & DESIGN

In our 'Seasons – winter' mini project, we will be focussing on observational drawing and painting to create an artwork of bare winter trees covered in snow.

We will be experimenting with clay to create portraits in relief on clay tiles.

In our Rain and Sunrays project, we will be looking at motifs for the weather. We will look at line and shape and texture to create collagraph plates and experiment with printing.

## HISTORY

As part of our 'Bright Lights, Big City' geography unit, we will be looking at the monarchs who ruled over England and will also be looking at the events of the Great Fire of London.

## GEOGRAPHY

In our 'Bright Lights, Big City' unit, we will be learning about the key features of the United Kingdom focussing on the geographical features of London. We will review the 4 countries in the UK, look at the physical features of the UK, learn what a city is and understand what the weather in the UK is like. We will then be learning about the important landmarks that make up the city skyline of London and children will have the opportunity to go on the London eye and see these important landmarks themselves!

## MUSIC

In our 'Animals' unit we will be exploring dynamics and tempo. Our key focus will be on listening to and appraising pieces of classical music. We will use percussion instruments and our voices to compose and perform.

## PE

In PE with Mr Montero, we will be learning about agility.

In PE with our class teacher, we will have a specialist dance teacher who will explore movement with us.

## PSHRE

In our Deams and Goals unit, we will set ourselves some simple goals and discuss how we can achieve them. We will explore how we can work together to complete common goals and discuss how it feels to achieve a goal and what we can do when we face obstacles.

## RE

In our 'Jesus as a Friend' unit, we will be exploring what Christians believe about Jesus and how he showed friendship. We will explore what it means to be a good friend and look at the challenges we have faced with friendships and understand how Christians believe Jesus would have felt when faced with these challenges.

## USEFUL LINKS

- [Learning Journey](#)
- [Knowledge Organiser](#)
- [Purple Mash](#)
- [Oxford Owl eLibrary](#)
- [MyMaths](#)

YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5

YEAR 6

# YEAR 2

## ENGLISH

Our focus text is 'The Secret of Black Rock' by Joe Todd-Stanton. We will be using the text as a stimulus to write our own warning tales, using descriptive language and progressive verbs. During our SPaG lessons we will review and build on our knowledge of suffixes and build our sentence writing through the use of coordinating and subordinating conjunctions.

## MATHEMATICS

In our 'Multiplication and Division' unit, we will:

- Recognise and make equal groups
- Add equal groups using repeated addition
- Use the multiplication symbol
- Use multiplication sentences
- Use arrays
- Make equal groups by grouping and sharing
- Multiply and divide by 2, 5 and 10

In our 'Money' Unit, we will:

- Handle and recognise coins and notes
- Count amounts of money
- Compare and find totals
- Find different ways of making amounts.

## SCIENCE

In our 'Plants' science project, we will learn about different seeds and bulbs. We will learn about plants we can eat and begin to gather seeds. We will also look at what plants need to grow and what they need to continue to grow and stay healthy.

## COMPUTING

In our 'Questioning' unit, we will be learning about different data handling tools. We will explore how to form different question types to find information on databases. We will also look at using the search tool to search for information in the database.

## ART & DESIGN

In our 'Sea paintings and 3D creatures' unit, we will be looking at experimental and abstract mark making using mixed media. We will evaluate and identify the most successful mark-making techniques and then create a sea-scape using those techniques. We will then move to studying the form and texture of sea creatures and making 3D models to go into our sea-scape.

## HISTORY

As part of our 'Coastline' project we will learn about jobs in the past and Christopher Columbus.

## GEOGRAPHY

In our 'Coastline' project, we will learn about the physical and human features of coastal regions across the United Kingdom, including a detailed exploration of the coastal town of Whitby, in Yorkshire. We will examine how lives in seaside towns have changed from past to present and will learn about the important lifesaving work of the RNLI. We will put our learning into practise when we visit the beach and RNLI station at Mundeford Quay.

## MUSIC

In our 'Musical Me' unit, we will learn to sing the song 'Once a Man Fell in a Well' and to play it using tuned percussion, adding sound effects, experimenting with timbre and dynamics and using letter notation to write a melody.

## PE

In PE with Mr Montero, we will be learning the skills needed to balance.

In PE with our class teacher, we will have a specialist dance teacher who will explore movement with us.

## PSHRE

In our Dreams and Goals unit, we will talk about setting realistic goals and how we can achieve them. We will discuss perseverance when we find things difficult as well as recognising our strengths as a learner.

## RE

In our 'Passover' unit, we will be focussing on Judaism. We will be exploring the question 'How important is it for Jewish people to do what Gods asks them to do?' We will be learning to understand how celebrating Passover helps Jews show God they value their special relationship with Him.

## USEFUL LINKS

- [Learning Journey](#)
- [Knowledge Organiser](#)
- [Purple Mash](#)
- [Oxford Owl eLibrary](#)
- [MyMaths](#)

YEAR 2

YEAR 3

YEAR 4

YEAR 5

YEAR 6

# YEAR 3

## ENGLISH

Our focus text is 'Flotsam' by David Wiesner. Using the Talk for Writing approach, we will learn how to write a finding text. During our SPaG sessions, we will learn about time adverbials adjectives, adverbs, prepositions, different types of sentences and the use of commas.

## MATHEMATICS

In our 'Multiplication and Division' unit we will learn:

- to multiply numbers by 10
- to use related calculations to help answer multiplication and division sentences.
- to multiply any two digit number by a one digit number
- to divide any 2 digit number by a one digit number including with a remainder.
- to solve problems involving scaling.

In our fractions unit, we will learn:

- to understand the denominators of unit fractions
- to understand the numerators of non-unit fractions
- to compare and order unit fractions
- to compare and order non-unit fractions
- to count in fractions on a number line

## SCIENCE

In our 'Plants' unit, we will learn the about the different parts of a plant and what they are used for, we will be learning what plants need in order to grow, we will investigate how water moves around the plant and learn about the different stages in a plant's life cycle.

## COMPUTING

In our 'Email' unit, we will think about different ways we can communicate, we will learn how to send and respond to emails using an address book and we will learn how to attach a file or photograph to an email.

In our 'Presenting' unit, we will understand the different uses of PowerPoint, create a page of a PowerPoint presentation, add media, animations and timings to a PowerPoint and to design and create an interesting PowerPoint presentation.

## ART & DESIGN

In our 'Ammonite' unit, we will be studying fossils and learning about artistic techniques used in sketching, print making and sculpture.

## GEOGRAPHY

In the 'Rocks, Relics and Rumbles' project, we will learn about the features and characteristics of the Earth's layers, and will look in detail at volcanic, seismic and tectonic activity. We will learn about tectonic plates, and what happens when they move, as well as looking at key events, such as the volcanic eruption at Pompeii.

## MUSIC

In our 'Developing Singing Technique (Vikings)' unit, we will be learning to develop our singing technique, keeping in time, and learning about musical notation, culminating in a group performance.

## PE

In PE with Mr Montero, we will be doing netball.  
In PE with our class teacher, we will be doing football.

## PSHRE

In our 'Dreams and Goals' unit we will be discussing what goals and aims are and thinking how we can set and meet them for ourselves. We will discuss what challenges may stand in our way, or in the way of others, and will consider how to overcome these. We will design a garden for people who are facing a particular challenge, focusing on how we can help them overcome their challenge.

## RE

In our 'Christianity' unit, we will be looking at the beliefs of Christianity, and the miracles of Jesus. We will learn what a miracle is, and some of the miracles Christian's believe Jesus did. We will think about the significance of these miracles to the Christian faith and consider our own views on miracles.

## SPANISH

In Spanish we will be learning about musical instruments. We will learn 10 familiar instruments and be introduced to the verb 'I play'. This is one of the first sentence building units where we will have the knowledge and skills to create short phrases with the verb 'I play' plus the instrument nouns and determiners.

## USEFUL LINKS

- [Learning Journey](#)
- [Knowledge Organiser](#)
- [Purple Mash](#)
- [Oxford Owl eLibrary](#)
- [MyMaths](#)

YEAR 3

YEAR 4

YEAR 5

YEAR 6

# YEAR 4

## ENGLISH

Our focus text is 'Leon and the Place Between' by Angela McAllister and Grahame Baker-Smith. Using the Talk for Writing approach we will learn how to write a voyage and return tale. In our tale the main character will go on a journey and something will go wrong. The problem will become even worse but the main character will overcome the obstacles and arrive at the destination. During our SPaG lessons we will cover aspects such as apostrophes, determiners and commas.

## MATHEMATICS

In our 'Multiplication and Division' unit we will:

- Learn how to find and use factor pairs
- Multiply and divide by 10 and 100
- Use related facts to multiply and divide
- Use informal methods and column multiplication to multiply a 3-digit number by a 1-digit number
- Use informal methods to divide a 3-digit number by a 1-digit number
- Solve correspondence problems

In our 'Length and Perimeter' unit we will:

- Measure in centimetres (cm), metres (m) and kilometres (km)
- Compare, convert and calculate with different units of measurement
- Calculate the perimeter of rectilinear shapes
- Find missing lengths of shapes
- Calculate the perimeter of regular and irregular polygons

## SCIENCE

During this unit of work, children will learn to recognise the seven life processes common to all living things. They will learn to sort living things using a variety of criteria and extend their use of scientific vocabulary to describe features and characteristics of animals and plants. They will conduct a local habitat search and learn to identify unknown living things using a classification key. Children will consider how environmental change impacts the local area and suggest ways in which humans can prevent further damage.

## COMPUTING

In our 'Logo' unit, we will be learning to use the coding language Logo to create shapes, using different commands and procedures. In our 'Animation' unit, we will be learning how animations are created in order to create our own animation frames and stop motion animation.

## ART & DESIGN

In our 'Vista' topic, we will be learning about the techniques that the artists use when composing landscape images, such as colour and atmosphere.



## GEOGRAPHY

In 'Misty Mountain, Winding River', we will be learning about a river's journey from source to sea and the different features of a river found at each stage. We will discover how erosion, transportation and deposition change the landscape and explore the uses of different rivers around the world. Additionally, we will study the water cycle as well as why rivers flood and the effects of flooding. We will find out about the different types of mountains in the UK and around the world, discussing altitude and topography, including looking at contour lines on maps. Finally, we will compare different habitats and investigate the different ways in which our environment is changing.

## MUSIC

In this term's unit, we will be learning about the history and features of Latin American music, performing a salsa style song and playing from staff notation; performing a mini carnival using a range of performance techniques including song, dance, tuned and untuned musical instruments.

## PE

In PE with Mr Montero, we will be doing netball.  
In PE with our class teacher, we will be doing football.

## PSHRE

In our 'Dreams and Goals' unit, we will be sharing our hopes and dreams and understanding the steps we can take to achieve them. We will also be discussing how to overcome disappointment and set new goals if our dreams do not all come true. Finally, we will consider how teamwork can help us when achieving our goals.

## RE

In this unit, we will be learning about Buddha's teachings and the Eightfold Path key question: Can the Buddha's teachings make the world a better place?

## SPANISH

In Spanish we will learn to listen more carefully so as to be able to understand a familiar fairy tale (Goldilocks) recounted in the foreign language using picture, word and phrase cards.

## USEFUL LINKS

- [Learning Journey](#)
- [Knowledge Organiser](#)
- [Purple Mash](#)
- [Oxford Owl eLibrary](#)
- [MyMaths](#)

# YEAR 5

## ENGLISH

Our focus text is 'Fortunately the Milk...' by Neil Gaiman. When a father runs out to buy some milk for his son and daughter's breakfast, he comes back with an extraordinary story. In this text we will be exploring the following themes: truth v. lies; companionship, courage, responsibility, humour, imagination, creativity and fun! Our final written piece will be a tall tale – a story that seems inexplicable, and hard to believe. We will explore different tall tales to understand them better. To help us write a story we will use the Talk for Writing approach. During our SPaG lessons we will cover aspects such as: how to link paragraphs; building upon our use of punctuation; and using relative clauses.

## MATHEMATICS

In our 'Multiplication and Division' unit we will:

- Multiply four-digit numbers by one- and two-digit numbers
- Solve problems with multiplication and division
- Learn the short division method and divide four-digit numbers by one-digit numbers
- Divide with remainders

In our 'Fractions' unit we will:

- Multiply a unit/non-unit fraction and mixed number by an integer
- Calculate a fraction of a quantity
- Find a whole
- Use fractions as operators

## SCIENCE

In our 'Living Things and Their Habitats' unit, we will learn the seven life processes that distinguish living from non-living things. We will consolidate and extend previous learning on the life cycles of plants and animals, comparing and describing differences in the life cycles of mammals, amphibians, reptiles, birds and insects. We will learn how animals and plants reproduce; comparing differences and similarities between five different animal groups.

## COMPUTING

During computing we will be focusing on spreadsheets. We will learn how to use formulae within a spreadsheet to convert measurements of length and distance; use the count tool to answer hypotheses about common letters in use; use a spreadsheet to model a real life problem and use formulae to calculate area and perimeter of shapes.

## ART & DESIGN

In our 'Taotie' project, we will be studying the bronze casting process used during the Shang Dynasty and using clay and plaster of paris to create our own castes of legendary beasts.

## GEOGRAPHY

In the 'Sow, Grow and Farm' project, we will learn about allotments in the United Kingdom and how the government encouraged people to have them to support food rationing during the Second World War. We will have the opportunity to learn about farming in the United Kingdom and the techniques used in modern farming, including the challenges that farmers face. We will learn about the benefits of eating seasonally and about the pros and cons of importing food. We will also learn about world farming and how the different climate zones affect where different foods can be grown.

## MUSIC

In our South and West Africa unit, we will learn 'Shosholozza', a traditional South African song, play the accompanying chords using tuned percussion and learn to play the djembe. We will also learn a traditional West African drum and add some dance moves ready to perform the song in its entirety.

## PE

In PE with Mr Montero, we will be going swimming.  
In PE with our class teacher we will be learning netball.

## PSHRE

In our 'Dreams and Goals' unit, we will investigate about a range of jobs carried out by people and explore how much people earn in different jobs. We will identify a job that we would like to do when we grow up and understand what motivates us and what we need to do to achieve it. We will learn that we need money to help us achieve some of our dreams.

## RE

In our 'Hinduism' unit we are learning to understand the Hindu belief that there is one God with many different aspects. We will use the enquiry question 'How can Brahman be everywhere and in everything?', to guide our learning and deepen our understanding.

## SPANISH

In this topic we will have the knowledge and skills to describe the weather in Spanish and to also present a weather forecaster pretending to be on television. This enables us to link the weather vocabulary with map work, compass points and general geography. This unit improves both language and cultural knowledge.

## USEFUL LINKS

- [Learning Journey](#)
- [Knowledge Organiser](#)
- [Purple Mash](#)
- [Oxford Owl eLibrary](#)
- [MyMaths](#)

# YEAR 6

## ENGLISH

Our focus text is 'Sherlock Holmes and the case of the Speckled Band', written by Sir Arthur Conan Doyle and adapted by Murray Shaw and M.J. Cosson. Using the graphic novel, we will learn how to write a detective/crime narrative. In our narrative we will consider how to use 'show not tell' techniques to create suspense and build tension for the reader. We will also plan in clues throughout our story that help to identify the suspect at the end. Our model text is an extract from the original short story of Sherlock Holmes and the case of the Speckled Band, which we will use to compare against the adapted version, learning about archaic language. During our SPaG unit we will be learning about different active and passive voice, possessive and relative pronouns, relative clauses, verb tenses, colons and semi-colons, and the differences between prepositions and adverbs.

## MATHEMATICS

In our Ratio unit we will:

- Use the language of ratio
- Understand the links between ratio, proportion and fractions
- Use scaling to solve problems
- Solve mixed problems using ratio, proportion and fractions

In our Algebra unit we will:

- Solve 1 and 2 step function machines
- Form and use expressions and formulae
- Substitute into expressions
- Solve 1 and 2 step equations
- Find pairs of values

In our Decimals unit we will:

- Find equivalent decimals, fractions and percentages
- Round decimals
- Use decimals with all four operations

## SCIENCE

In our 'Living things and their Habitats' unit, we are learning about different species of animals and plants and their natural environments. We will be using this to help classify animals and sort them. We will be exploring how animals are adapted to certain environments and how these adaptations have developed over time.

## COMPUTING

During computing, we will be focusing on spreadsheets. Within this unit we will look at how to read and understand spreadsheets, how to input data on to a spreadsheet and how we can use formula to calculate values in cells. We will learn how to create and format a spreadsheet, as well as how to create graphs using the data.

## ART

In our 'Inuit' unit, we will about the Inuit way of life, including some of their cultural and artistic traditions. We will learn about significant Inuit artists and discuss the importance of animals. We will make animal prints using stencils. We will complete the unit by learning about The Enchanted Owl, by artist Kenojuak Ashevak and use this knowledge to create our own Inuit style print using relief cut lino-printing techniques.

## **GEOGRAPHY and HISTORY**

In our Frozen Kingdoms project, we will learn about the regions of the Arctic and Antarctic. We will learn about the similarities and differences between these two regions, including the climate, landscape and natural resources. We will learn how to use grid references, lines of latitude and longitude, contour lines and symbols to identify the geographical locations of the Arctic and Antarctic, and how these, along with the tilt of the Earth, affect day length and warmth. We will investigate polar oceans to learn how they differ from other oceans on Earth and how climate change increases Earth's temperature and leads to rising sea levels. We will learn about the indigenous people of the Arctic, including how their lives have changed over time, and about the positives and negatives of tourism in Antarctica. In history we will explore Shackleton's journey and the Titanic disaster.

## **MUSIC**

In our unit on pop art music, we will be exploring theme and variation. We will discover how rhythms can move across different instruments and match instruments to pieces of art. We will be able to perform rhythms correctly and draw them accurately. We will spot patterns in rhythms and explain how they are the same and different.

## **PE**

In PE with Mr Montero, we will be learning how to play netball.

In PE with our class teacher, we will be learning how to play cricket.

## **PSHRE**

In our 'Dreams and Goals' unit we will consider our own personal learning goals and how to use steps to success to achieve these. We will also think about our hopes and dreams for the world including others around us, and how we can help to make a difference.

## **RE**

In our 'Christianity' unit our theme is beliefs and meaning. Within this unit we will be focusing on the key question: is anything ever eternal?

We will explore what eternal means and whether Christians believe that anything is eternal.

## **SPANISH**

In this topic we will be looking at how to describe the activities we do at the weekends which will enable us to create more detailed and personalised responses by the end of the unit.

## **USEFUL LINKS**

- [Knowledge Organiser](#)
- [Learning Journey](#)
- [Purple Mash](#)
- [Oxford Owl eLibrary](#)
- [MyMaths](#)

