

# Foxbridge Primary School

Key stage 1 and 2 curriculum overview

This is an overview and will be developed and adapted to meet the needs of our children

### Year one

	Term 1	Term 2	Term 3
English	Fiction  Funnybones – learning about characters, settings, events, (linked to science)  traditional tales – writing character descriptions, sequencing events, retelling a story  Toystory – writing character/setting descriptions, planning & writing own story (linked to history)	Fiction  fairy stories –writing character/setting descriptions, plan & write own stories  dinosaurs – writing a character description, planning & writing own stories  Poetry  Spring poems – using	Fiction  writing character/setting descriptions, planning & writing own stories  pirates – writing character/setting descriptions, planning & writing own stories  Poetry  Summer poems – using
	Poetry  • Autumn poems – using adjectives to describe (linked to science & geography)	adjectives to describe (linked to science & geography)  Non-fiction writing labels & captions for materials (linked to science)	adjectives to describe (linked to science & geography)  Non-fiction writing labels & captions for plants (linked to science)
	<ul> <li>Writing labels &amp; captions for animals (linked to science) &amp; toys (linked to history)</li> <li>reading information texts &amp; writing fact pages on animals (linked to science)</li> <li>reading information texts &amp; writing</li> </ul>	<ul> <li>reading information texts on materials (linked to science)</li> <li>reading &amp; writing instructions</li> <li>reading information texts &amp; writing fact pages on dinosaurs</li> <li>reading information texts &amp; writing fact pages on Florence Nightingale (linked)</li> </ul>	<ul> <li>reading information texts &amp; writing fact pages on Neil Armstrong (linked to history)</li> </ul>
	fact pages on old & new toys (linked to history)  adding the suffixes - s or es, e.g. dogs, adding the suffixs - ing, ed, er, est, e.g. adding the prefix – un, e.g. undo	to history)  Grammar & Punctuation brushes	

#### **Maths**

- count forwards & backwards to at least 20
- read & write numbers to at least 20
- identify one more & one less
- read, write & interpret mathematical statements involving +, - & = to at least 10
- number bonds (+/- facts) to at least 10
- solve problems involving + & –
- group & share small quantities
- recognise half of shape or quantity
- · compare lengths, heights, time
- recognise & know the value of coins
- · use language relating to time
- tell the time to the hour recognise & name common 2D shapes

- count forwards & backwards to at least 50
- read & write numbers to at least 50
- count in multiples of 2, 5 & 10
- read & write numbers from 1-20 in numerals & words
- number bonds (+/- facts) to 20
- read, write & interpret mathematical statements involving +, - & = to at least 20
- add & subtract one & two digit numbers, e.g. 18-9=
- measure & record lengths & heights
- recognise a quarter of shape or quantity
- sequence events in chronological order
- solve problems for mass or weight
- measure & begin to record mass/weight
- tell the time to half past
- recognise & name common 3D shapes
- describe position, direction & movement including half turns

- count forwards & backwards to 100
- read & write numbers to 100
- add & subtract one & two digit numbers to at least 20
- solve problems in practical contexts
- understand pictorial representations involving x & ÷ including arrays
- solve one step problems involving x and ÷
- connect halves & quarters to equal sharing & grouping of objects
- solve problems for capacity/volume
- measure & begin to record capacity & volume
- · measure & begin to record time
- recognise 2D & 3D shapes in different orientations
- describe position, direction & movement including ¾ turns

Science	<ul> <li>Animals, including humans</li> <li>identify &amp; label the basic parts of the human body</li> <li>identify the 5 senses &amp; say which part of the body is associated with each</li> <li>identify &amp; name a variety of common animals including fish, amphibians, reptiles, birds &amp; mammals</li> <li>describe &amp; compare the structure of a variety of common animals (fish, amphibians, reptiles, birds &amp; mammals including pets)</li> <li>identify &amp; name a variety of common animals that are carnivores, herbivores &amp; omnivores</li> </ul>	<ul> <li>Everyday materials</li> <li>distinguish between an object &amp; the material from which it is made</li> <li>identify &amp; name a variety of everyday materials, including wood, plastic, glass, metal, water &amp; rock</li> <li>describe the simple physical properties of a variety of everyday materials</li> <li>compare &amp; group together a variety of everyday materials on the basis of their simple physical properties</li> </ul>	Plants  Iabel the basic structure of a plant & tree  Identify & name a variety of common plants  Observe different plants growing in the local environment  Identify deciduous & evergreen trees  Identify a variety of seeds & bulbs  plant seeds & bulbs & observe changes over time
	<ul> <li>observe changes across the 4 seasons</li> <li>observe &amp; describe weather associated</li> </ul>	Seasonal changes with the seasons & how day length varies	

History	To learn about changes within living memory.  Toys  compare old & new toys & identify similarities & differences complete a timeline of old & new toys identify changes that have occurred over time explain how toys have changed today	To learn about the lives of significant individuals in the past who have contributed to national & international achievements.  Florence Nightingale  research facts & recall important information about Florence Nightingale  complete a timeline of Florence Nightingale's life  compare hospitals in the past & today  identify changes that have occurred over time because of Florence Nightingale	To learn about significant historical events.  Explorers: Neil Armstrong  • research facts & recall important information about Neil Armstrong  • complete a timeline of Neil Armstrong's life  • research facts & recall important information about the moon landing
Geography	To understand geographical similarities & differences through studying the human & physical geography of a small area of the U.K.  School grounds  identify Leicester and Castle Donington  explore the school grounds & identify different areas  create a simple map of the school with a key  identify human & physical features of the area  use aerial photographs to recognise landmarks & basic human & physical features	To understand geographical similarities & differences through studying the human & physical geography of a small area of the U.K.  Barnaby Bear visits Poole  identify Poole on a map & compare to location of Donington  identify significant features of Poole  identify similarities & differences between Donington & Poole  identify human & physical features of a seaside location  use basic geographical vocabulary to refer to key physical features: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season & weather & key human features: city, town, village,	To name, locate & identify characteristics of the 4 countries of the U.K & its surrounding seas.  The U.K  name & locate the 4 countries of the U.K  identify the capital cities  identify characteristics of the 4 countries  identify & name the surrounding seas  identify seasonal & daily weather patterns in the U.K

factory,

D.T.	Cooking  Iearn about food hygiene generate ideas to design a healthy snack select from ingredients select from & use tools & equipment safely evaluate own product against design criteria	farm, house, office, port, harbour & shop  Mechanisms – levers and  sliders (moving picture)  explore & evaluate a range of existing products  make own lever & sliding mechanisms  generate ideas & design own moving picture  select from & use a range of tools & equipment  evaluate own product against design criteria	Structures - (playgrounds)  explore existing structures  generate ideas & design own structure  select from & use a range of tools & equipment  build structures, exploring how they can be made stronger, stiffer & more stable  evaluate own product against design criteria
Art	Painting  Iook at the work of Mondrian & Paul Klee & other artists  discuss preferences & dislikes  practise paintbrush control - create lines & shapes  identify the primary colours and use colour mixing to create secondary colours  use black & white paint to create different tones  use skills to create own painting  Artist – Mondrian & Paul Klee	Sculpture  explore work of Nick Mackman & other artists  discuss preferences & dislikes  practise cutting & joining skills using playdough  design & create own sculpture  self & peer assess work  Artist – Nick Mackman	<ul> <li>Collage</li> <li>explore work of Henri Matisse &amp; other artists</li> <li>discuss preferences &amp; dislikes</li> <li>practise cutting &amp; sticking skills using different materials</li> <li>design &amp; create own collage</li> <li>self &amp; peer assess work</li> </ul> Artist – Henri Matisse
Computing	Use technology purposefully to create, organise & manipulate digital content.  use tools such as colour fill & brushes use Word to develop keyboard skills including the use of the space bar, enter & shift key	<ul> <li>Understand what algorithms are.</li> <li>Create &amp; debug simple programs.</li> <li>write a set of commands for a programmable toy, e.g. Beebot, Mole Maze</li> <li>Use logical reasoning to predict the</li> </ul>	Use technology purposefully to create, organise, store, manipulate & retrieve digital content.  • insert pictures  • organise text  • change font, size & colour of text  • save work

Recognise common uses of information	behaviour of simple programs programmable toys e.g. Beebot, Mole	
Technology beyond school. Use technology safely & respectfully.	Maze	
e-safety		

R.E	Study of Christianity and beliefs	
	In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:	
	What are my own	
	beliefs? Which is my	
	special place? Who do I	
	look up to?	
	Which symbols are special to	
	me? How should I treat	
	others?	
	What questions do I have? How are they related to what I am studying?	
	Key concepts covered in this topic are:	
	Which symbols are important to	
	Christians?	
	What do stories from the Bible tell us about the Christian God?	
	Why is Jesus important to	
	Christians? How should Christians	
	treat others?	
	What messages did Jesus teach his followers (linked to miracles)?	

### What makes some places sacred?

In each topic we explore and recognise that each person has the right

to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:

Which place is special or sacred to me? Which objects are special to me?

What are my own experiences of visiting a sacred place?

Key concepts covered are:

What are the names of some sacred places?

How do Christians worship in a church?

Which religious objects are important to Christians and why?

How do Muslims worship in a Mosque?

Which religious objects are important to Muslims and why?

How do Hindus worship in a Mandir?

## What does it mean to belong to a faith community?

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:

Which groups do I belong to?

Why are these groups important to me? Have you been to a birth ceremony?

Have you been to a wedding? How can we all work together?

Key concepts are:

What religious groups can people belong to?

Which symbols do religious groups use to show their belonging and what do the symbols mean?

What happens during birth ceremonies and what are the meanings of these actions?

		Which religious objects are important to Hindus and why?  How do Sikhs worship in a Gurdwara?  Which religious objects are important to Sikhs and why?  What are the similarities between worship in different sacred places?  Which special objects are similar?  What are the differences in worship in different sacred places?  Which special objects are different?  What did you see/smell/hear/touch/taste/enjoy/lear n on your visit to St Peter's Church?	How are birth ceremonies similar? How are birth ceremonies different? How do people show they belong to each other when they get married? How are weddings similar? How are weddings different? Faith ceremonies and symbols that will be discussed include: Sikh, Islam, Jewish, Christian, Buddhist, Hindu. Worldview ceremonies and symbols will be discussed.
RSE	Personal safety: Road safety  Communication & Co-operation – knowing what is right and wrong. Class rules  Kind & Unkind behaviour – what makes a good friend?  Valuing difference and diversity	Internet Safety – whole school linked to Internet Safety Day	Re-cap road safety Sun safety - suncream Who can help me keep safe? Who can I ask for help? What to do if I'm in trouble.

PE	<u>Dance</u>	<u>Dance</u>	<u>Dance</u>
	perform simple movements     Gymnastics	<ul> <li>perform dances using simple movement patterns</li> </ul>	<ul> <li>perform dances using simple movement patterns, using different stimulus.</li> </ul>
	<ul> <li>Flight, bouncing, jumping &amp; landing.</li> <li>bounce, hop, spring &amp; jump using a variety of take offs &amp; landings</li> <li>observe, recognise &amp; copy different body shapes</li> <li>link together 2 or more actions with control &amp; be able to repeat them</li> </ul>	Gymnastics Rocking & rolling movements.  spin, rock, turn & roll with control on various body parts  plan & link a series of movements together work safely with an awareness of others	Gymnastics Wide, narrow & curled shapes/movements.  • travel, balance & jump confidently showing a variety of body shapes  • observe, copy & describe what others are doing
	<ul> <li>Points &amp; patches.</li> <li>travel confidently on different body parts,</li> </ul>	Outdoor and adventurous  problem solving activities in small	<ul> <li>select &amp; link together 3 different movements</li> </ul>

	including hands     hold still balances on large or small body parts     link 2 balances together  Games Spatial awareness, ball control.     master basic movements including throwing & catching     participate in team games, developing simple tactics for attacking & defending	Games Sending & receiving skills.  • master basic movements including throwing & catching • participate in team games, developing simple tactics for attacking & defending	Games Sending & receiving a ball, dribbling & kicking.  • participate in team games, developing simple tactics for attacking & defending  Athletics Running, jumping & throwing techniques.  • master basic movements including running & jumping
Music	<ul> <li>play tuned &amp; untuned instruments mus</li> </ul>	ing to a range of high-quality live & record	
Trips	<ul><li>Farm trip</li><li>Christmas Pantomime</li></ul>	St Edward's Church, Castle Donington	Beaumanor hall – pirate day

Year 2

	Term 1	Term 2	Term 3
English -	<u>Fiction</u>	<u>Fiction</u>	<u>Fiction</u>
Writing	<ul> <li>Juniper Jupiter by Lizzy Stewart         <ul> <li>Write character descriptions using expanded noun phrases.</li> <li>Write and punctuate question sentences.</li> </ul> </li> </ul>	George's marvellous medicine     by Roald Dahl (Book Study)  -Identify and explain the sequence     of events  -Write a character description of  Crandma using expanded pours	Gangsta Granny by David     Walliams (Book Study)     Write a character description of     Gangsta Granny using expanded     noun phrases and similes  Plan and write a set of instructions
	<ul> <li>The Secret Life of Pets         <ul> <li>Write descriptions of characters and settings using expanded noun phrases.</li> <li>Plan and write a narrative story.</li> <li>Introduce editing previously written work.</li> </ul> </li> <li>Where the poppies now grow by Hilary Robinson         <ul> <li>Produce an information text about a significant individual who fought in the</li> </ul> </li> </ul>	Grandma using expanded noun phrases -Write a set of instructions for a new marvellous medicine using imperative verbs and time conjunctions -Write a letter of apology from GeorgePlan and write their own story  The Tear Thief by Carol Ann Duffy - Explore the characters and	-Plan and write a set of instructions for a cabbage recipe -Design a new scooter for Granny and describe the different features using conjunctions -Produce a wanted poster for Gangsta Granny - Plan and write a story about their own Crown Jewel Heist -Make links between the grandmas in George's Marvellous Medicine and Gangsta Granny
	World War  - Describe a war scene from the book using adventurous vocabulary -Read and write poems linked to Remembrance Day  - Traditional and twisted tales (Continued in Term 2) -Look at the characteristics of good and bad characters in familiar tales	events - Describe a character - Write a story based on their own 'thief'  Non-Fiction - Information text/Explanation about the Great Fire of London	<ul> <li>Non-fiction</li> <li>Information texts/Explanations -</li> <li>Living things &amp; their habitats/plants (linked to science)</li> <li>Small area in a contrasting non-European country (linked to geography)</li> <li>Mini beast information booklet.</li> </ul>

	-Explore similarities and differences between traditional tales and alternative tales -Describe characters and settings using expanded noun phrasesCreate a wanted poster for a bad character -Plan and write an alternative tale	(linked to history: Events beyond living memory)  Write a letter to a child for Sport Relief	Produce a persuasive leaflet about the Botanic Gardens
English -	Secret Life of Pets	George's Marvellous Medicine	Gangsta Granny
Reading	Learning to use inference skills to find	Predictions	Predictions and inferences from front
	additional information.	Retrieval of vocabulary Retrieve information about characters	cover and book trailer Retrieve information about main
	Retrieving information from a fact file about pets.	and events	characters and events
	about pets.	Infer how characters' feel	Infer how characters are feeling
	Where the Poppies Now Grow (Poetry)	Read and recite rhyming poetry	Make links to and compare with
	Rhyming word level – same phonemes,	Sequence a series of events	George's Marvellous Medicine
	different graphemes	Whole class reading – use of	
	Define unfamiliar vocabulary	punctuation	Non-fiction reading linked to other
	Infer emotions and thoughts from pictures	Synonyms	topics e.g. Jamaica, cooking
	Twisted Traditional Tales	The Tear Thief	Reading Eggs
	Developing fluency and expression	Infer character's feeling	Weekly comprehension
	Retelling a familiar story	Compare the book to the film 'Baboon	
	Summarising a story	on the Moon'	
	Comparing versions of the same story	In a toward and form a service of the	
	Phonico	Instructions for a smoothie	
	Phonics Revise and recap phase 5 – Reading post	Reading and following instructions	
	cards and identifying specific graphemes.	The Story of the Great Fire of	
	cards and identifying specific graphemes.	London	
	Homework to encourage children to read	Retrieval of vocabulary	

	books by the same author. Reading Eggs introduction Reading workshop for parents Author research (linked to ICT)	Retrieve information about characters and events Infer how characters' feel Sequence a series of events SATS workshop Reading Eggs Weekly comprehension activities in short extracts Reading Newsletter	
Maths	<ul> <li>Place Value         <ul> <li>Count forwards &amp; backwards to at least 100</li> <li>Read &amp; write numbers to at least 100 in numerals and words.</li> <li>Identify ten more and ten less.</li> <li>Partition 2-digit numbers into 10s and 1s</li> </ul> </li> <li>Addition and Subtraction         <ul> <li>Read, write &amp; interpret mathematical statements involving +, -, =, &lt;, &gt; to at least 100</li> <li>Add and subtract 10s and 1s</li> <li>Number bonds (+/- facts) to at least 20</li> <li>Solve problems involving + &amp; -</li> <li>Recognise inverse operations</li> </ul> </li> </ul>	<ul> <li>Place Value         <ul> <li>Partition numbers in a variety of combinations</li> <li>Compare mathematical symbols using &lt; and &gt;</li> </ul> </li> <li>Addition and Subtraction         <ul> <li>Add and subtract 2-digit numbers using written methods</li> <li>Solve one and two step word problems</li> <li>Use inverse operations to solve missing number problems</li> </ul> </li> <li>Multiplication and Division</li> </ul>	<ul> <li>Place Value         <ul> <li>Partition numbers in a variety of combinations</li> <li>Compare mathematical symbols using &lt; and &gt;</li> </ul> </li> <li>Addition and Subtraction         <ul> <li>Add and subtract 2-digit numbers using written methods</li> <li>Apply known number bonds to harder problems</li> <li>Use different coins to make the same amount</li> </ul> </li> <li>Multiplication and Division</li> </ul>

	Recognising and selecting coins to create sums of money      Multiplication and Division  Count in stone of 2.5 and 10 from 0.	<ul> <li>Use mental strategies to solve multiplication and division calculations</li> <li>Recall multiplication and division facts for the 2.5 and 10 times</li> </ul>	Applying known patterns in the 2, 5 and 10 times table to solve problems  Fractions
	<ul> <li>Count in steps of 2, 5 and 10 from 0</li> <li>Recognise multiplication as repeated addition and represent them in arrays</li> </ul>	facts for the 2, 5- and 10-times tables.	<ul> <li>Fractions</li> <li>Finding fractions of numbers by sharing, including non-unit fractions.</li> </ul>
	<ul> <li>Complete division problems by grouping and sharing</li> </ul>	Fractions Finding fractions of shapes (1/2, ½,	Solve problems involving fractions
	<ul> <li>Measurement</li> <li>Measure and record lengths and heights using cm and mm</li> <li>Tell the time on an analogue clock in 15-minute intervals</li> </ul>	<ul> <li>¾, 1/3)</li> <li>Identify fractions of grouped objects</li> <li>Finding fractions of numbers by sharing</li> <li>Solve problems involving fractions</li> </ul>	<ul> <li>Measurement</li> <li>Tell the time on an analogue clock in 5-minute intervals</li> <li>Read scaled in divisions of ones, twos, fives and tens</li> </ul>
	Geometry Revise the names of common 2D and 3D shapes.	<ul> <li>Measurement</li> <li>Record data in tally charts, pictograms, and block graphs</li> <li>Measure and record capacity, volume and weight</li> <li>Revise time on an analogue clock in 15-minute intervals</li> </ul>	<ul> <li>Geometry</li> <li>Describe similarities and differences of 2D/3D shapes</li> <li>Use mathematical vocabulary to describe position, direction and movement</li> </ul>
		<ul> <li>Geometry</li> <li>Recognise and name 2D shapes and their properties</li> <li>Recognise and name 3D shapes and their properties</li> </ul>	
Science	<ul> <li>Animals, including humans</li> <li>Notice that animals, including humans, have offspring which grow into adults.</li> </ul>	<ul> <li>Everyday materials</li> <li>Identify &amp; compare the suitability of a variety of everyday materials, including wood, metal, plastic,</li> </ul>	<ul> <li>Living things and their habitats</li> <li>Explore &amp; compare the differences between things that are living, dead &amp; things that have never been alive</li> </ul>

<ul> <li>Find out about &amp; describe the basic needs of animals, including humans, for survival (water, food &amp; air)</li> <li>Describe the importance of exercise, eating the right amounts of different types of food &amp; hygiene for humans.</li> </ul>	glass, brid cardboard • Find out h objects m can be ch bending, t

glass, brick, rock, paper &
cardboard for particular uses

 Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting & stretching  Identify & name a variety of plants & animals in their habitats including micro-habitats

#### **Plants**

- Observe & describe how seeds & bulbs grow into mature plants
- Find out & describe how plants need water, light & a suitable temperature to grow & stay healthy.

History	

#### **Remembrance Day**

- Remembrance Day and its relevance to Castle Donington.
- Discover the local area Donington and how it has changed over time.

#### The Great Fire of London

- To look at the timeline of events.
- Explore different historical artefacts and use these to learn about the great fire.
- Read about Samuel Pepys and his diary record.

#### **Roald Dahl**

 Research Roald Dahl and his contributions to children's literature and modern medicine.

Geography	<ul> <li>Local Geography</li> <li>Identify human and physical features that make up our town.</li> <li>Introduce the key vocabulary to describe human features.</li> <li>Devise simple maps and construct symbols in a key.</li> <li>To follow a map of the local area and use it for field work.</li> </ul>	<ul> <li>Hot and Cold Regions</li> <li>Introduce atlases and how to use them.</li> <li>Locate the world's seven continents and five oceans.</li> <li>Construct their own map of the world and plot the location of hot and cold areas in relation to the equator.</li> <li>Compare weather patterns in hot and cold areas.</li> <li>Learn about polar explorer, Ann Bancroft</li> </ul>	<ul> <li>Jamaica (link to Leicester FC player)</li> <li>Find the country and area in an atlas.</li> <li>Compare the human and physical features of Donington to a contrasting area.</li> <li>To learn how the physical features and weather influence the life and culture of the people: cooking, artwork, music and dance.</li> </ul>
D.T.		<ul> <li>Textiles - Bag Making</li> <li>Explore different types of bags and how they are used</li> <li>Design their own bag linked to a story.</li> <li>Using a range of materials, create their own bag</li> <li>Select from &amp; use tools &amp; equipment safely</li> <li>Evaluate own product against design criteria</li> </ul>	<ul> <li>Mechanisms - Mobility Scooter</li> <li>Look at existing vehicles</li> <li>Design a functional and appealing mobility scooter for Gangsta Granny using a wide range of materials.</li> <li>Explore and use mechanisms such as wheels and axels.</li> <li>Evaluate their own model and those of others.</li> </ul>
Food technology	To understand where food comes from     To understand the principles of nutrition and a balanced diet	<ul> <li>Fruit Smoothies</li> <li>Use the basic principles of a healthy and varied diet to prepare dishes</li> </ul>	Make a Traditional Jamaican Dish     Sort and classify an increasing range of food according to specific food groups e.g.     Carbohydrates, fats, etc

		Learn how to use techniques such as cutting, peeling and grating	How to name and sort foods into the five food groups in the 'Eatwell plate'
Art	<ul> <li>Drawing/Painting</li> <li>Painting portraits of a friend using colour mixing.</li> <li>Diwali artwork.</li> <li>Poppy tissue paper collage.</li> <li>Remembrance Day artwork inspired by Monet.</li> </ul>	Look at the work of Quentin Blake, use of watercolour artwork to create fictional characters.	<ul> <li>Jamaican Art – Albert Artwell</li> <li>Look at the work of Albert Artwell.</li> <li>Explore his use of colour and shape.</li> <li>Create their own artwork in his style, but of a typical school day.</li> <li>Use of oil pastels.</li> <li>Vincent van Gogh (links to plants in Science)</li> <li>Painting in the style of Vincent van Gogh – contrasting colours and texture.</li> </ul>
Computing	<ul> <li>Internet Browsing and Word Processing</li> <li>Use search engines to research how to best look after different pets, their needs, etc.</li> <li>Develop keyboard skills to record information.</li> <li>To navigate web browsers to access phonics and maths resources.</li> </ul>	<ul> <li>Programming - Beebots</li> <li>Physically follow &amp; give each other forward, backward &amp; turn (right-angle) instructions</li> <li>Articulate an algorithm to achieve a purpose</li> <li>Plan &amp; enter a sequence of instructions to achieve an algorithm, with a robot specifying distance &amp; turn &amp; drawing a trail</li> </ul>	<ul> <li>Handling data – Busy Things</li> <li>Recognise that technology can help collect information &amp; that data can be represented in different ways</li> <li>Collect information about themselves, generate graphs &amp; charts &amp; answer simple questions</li> <li>Save &amp; retrieve data &amp; look at how it is presented digitally in different ways including seeing data represented on a screen from a data logger</li> </ul>

R.E	Islam and Muslim Beliefs Throughout the Autumn term, Year 2 will learn about the Muslim faith and Islamic beliefs including the Quran.	Sacred Books In the Spring term, Year 2 will discuss their favourite book and give reasons why. Begin to explore sacred books and how they can influence how people live.	Caring for others and the world This term the children will be asked to consider important questions: What makes you unique? Why is everyone valuable? How can you care for others? Why is this important? How should you care for the World? Why is this important? What do you believe about how the World began?
PE	<ul> <li>Games</li> <li>Throwing and catching.</li> <li>Inventing individual games.</li> <li>Making up games with a partner.</li> <li>Aiming, hitting, kicking.</li> </ul> Dance <ul> <li>Perform dances using simple movements linked to significant festivals and celebrations.</li> </ul>	Games      Dribbling, kicking and hitting.  Gymnastics     Pathways     Straight – zigzag- curving	<ul> <li>Games         <ul> <li>Group games and inventing rules</li> </ul> </li> <li>Dance         <ul> <li>Perform dances using simple movement patterns, using Jamaican music and rhythm.</li> </ul> </li> <li>Gymnastics         <ul> <li>Spinning – turning – twisting</li> </ul> </li> </ul>
Music	<ul> <li>Charanga – Hands, Feet, Heart</li> <li>Listen to and appraise South African style music.</li> <li>Understand how pulse, rhythm and pitch work together to create music.</li> <li>Play instruments, improvise and compose with a range of different music.</li> </ul>	<ul> <li>Charanga - I Wanna Play in A Band - Rock</li> <li>Music - The Beatles</li> <li>Listen and appraise songs that celebrate Rock music</li> <li>Understand how pulse, rhythm and pitch work together to create music.</li> </ul>	Charanga - Zootime – Reggae music (linked to Jamaica topic) Composer – Jimmy Cliff  • Recognise how music elements are combined and used expressively.  • Identify different instruments in a piece of music and listen to the

	<ul> <li>Singing</li> <li>Sing with increasing expression.</li> <li>Sing with an awareness of other performers.</li> </ul>	<ul> <li>Singing: To sing songs together in a group/ensemble.</li> <li>Play instruments, improvise and compose with a range of different music.</li> </ul>	<ul> <li>sounds they make. Listen and appraise pieces of music</li> <li>Use their voices expressively and creatively by singing songs and speaking chants and rhymes.</li> </ul>
RSE	<ul> <li>Rules and conventions to feel happy and safe.</li> <li>Healthy eating and being active, getting to know our bodies.</li> <li>What do babies and children need from their families.</li> <li>Caring relationships within their families.</li> <li>Responsibilities that come with growing up.</li> <li>Anti-bullying week (November).</li> </ul>	<ul> <li>Being safe and personal safety.</li> <li>Wellbeing.</li> <li>Internet safety and harms &amp; esafety day.</li> </ul>	<ul> <li>Respectful relationships.</li> <li>How friendships change</li> <li>What to do to make yourself calmer.</li> <li>Dealing with loss and change.</li> <li>What I'm good at, how to work well in a group and negotiating with others.</li> </ul>
Trips	<ul> <li>Geography/History field trip around         Donington     </li> <li>Christmas Pantomime</li> </ul>	Avoncroft Museum of Historical Buildings	Botanic Gardens

Year 3

	<u>Autumn Term</u>	Spring Term	Summer Term
Literacy	<ol> <li>Introductory narrative activity – Wonder Park –build your own theme park (Setting description, character description) Film – what is a theme park like?     Woodland theme. Look at different types of parks and playgrounds and visit Uplands Park.</li> <li>Poetic language – (The sound collector) Woodland sounds, walking through leaves, bird noises. Sound walk through school. Poems using onomatopoeia and descriptive language</li> <li>Instructions – How to mummify a body</li> <li>Narrative -Egyptian Adventure story</li> <li>Explanation – covered in historymummification, Howard Carter (diary entry), Tutankhamun, Ancient Egyptian Fact file</li> <li>Narrative – The Twits by Road Dahl (Character description, wanted poster, setting description, story chapter writing own character. What happened when</li> </ol>	<ol> <li>Narrative - Action story writing focus— Nemo's Adventure (Setting description, diary, hot seating, formal letter, and write own story ending) — dialogue building on speech punctuation (conversation). Control speech in story to allow narrative.</li> <li>Narrative- Stig of the Dump &amp; Stone age boy (linked to history topic) character descriptions, settings, story events, paragraphs, dialogue, reading activities</li> <li>Winter/Spring Poem — Similes</li> <li>Non - fiction writing — How to make a cereal bar (Linked to DT)</li> </ol>	<ol> <li>Narrative – focus on a book eg: Ice Palace (Freeze frames, story openers, character description, story events, story ending) Reading focus.</li> <li>Persuasive writing (Adverts, poster, letter) Linked to Healthy Eating – school issue e.g. more playtimes/school uniform.</li> <li>Recount of Foxton Locks trip.</li> <li>Non-fiction writing – report based on human body eg information text, science assessment.</li> </ol>

	our new character met Mr and Mrs Twit? -Speech bubbles – introduce dialogue. (write inside printed speech bubbles) 7. Christmas story 8. British values – Linked to ICT		
Numeracy	<ul> <li>Addition and subtraction</li> <li>Use multiple of 5 and 10 bonds to 100</li> <li>add and subtract 1-digit numbers to and from 2-digit numbers</li> <li>Place Value</li> <li>Compare and order 2- and 3- digit numbers</li> <li>add and subtract 2-digit numbers; solve problems using place value; subtracting from 2-digit numbers</li> <li>Multiplication and Division</li> <li>Know multiplication and division facts for the 5, 10, 2, 4 and 3 times-tables; doubling and halving</li> <li>Time; 3D shapes</li> </ul>	<ul> <li>Place value</li> <li>Rehearse place value in 3-digit numbers</li> <li>order them on a number line and find a number in between;</li> <li>solve additions and subtractions using place value</li> <li>multiply and divide by 10</li> <li>Addition; times tables</li> <li>Add pairs of 2-digit numbers using partitioning</li> <li>extend to add two 3-digit numbers (not crossing 1000)</li> <li>recognise and sort multiples of 2, 3,</li> </ul>	Add 3-digit and 1-mentally, using number 1-digit numbers mer number facts     Begin to recognise 1/2; add and subtrathe same denomination.      Multiplication and divisor understand the investigation.

• Understand the calendar (days, weeks, months, years); tell the time to the nearest 5 minutes on analogue and digital clocks; know the properties of 3D shapes

#### Multiplication and division; fractions

• Doubling and halving numbers up to 100 using partitioning; understanding fractions and fractions of numbers

#### Place value

- 4. 5. and 10
- double the 4 times-table to find the 8 times-table

#### **Fractions**

- Identify 1/2s, 1/3s, 1/4s 1/6s, and 1/8s
- realise how many of each make a whole
- find equivalent fractions

#### tion

- -diait numbers number facts: numbers from 3entally using
- se equivalences of otract fractions with inator

#### ision

- 4. 5 and 8 and nverse; use scaling to multiply heights and weights by 2, 4, 8, 5 and 10
- Use the grid method to multiply 2digit numbers by 3, 4, 5, 6 and 8
- Estimate products: divide using chunking, with and without remainders
- Decide whether to use multiplication or division to solve word problems

- Using money to add and subtract and record using the correct notation and place value; add and subtract 2-digit numbers using partitioning; add three 2-digit numbers by partitioning and recombining.
- Using number lines to compare and round numbers and to find differences.

#### **Length**; capacity

• Using instruments to measure length and capacity.

- place fractions on a 0 to 1 line
- find fractions of amounts

#### Angles; 2D shapes

- Recognise right angles and know they are 90°
- name and list simple properties of 2D shapes;
- begin to understand and use the term perimeter to mean the length/distance around the edge

#### **Addition and subtraction**

- begin to place 3-digit numbers on 0-1000 landmarked and empty number lines
- round 3-digit numbers to the nearest ten and to the nearest hundred
- use counting up as a strategy to perform mental subtraction

#### **Time**

- Tell the time to the nearest minute on analogue and digital clocks
- time events in minutes and seconds

#### **Multiplication and division**

- multiply numbers between 10 and 25 by 1-digit numbers using the grid method
- divide multiples of 10 by 1-digit numbers using known tables facts

#### **Statistics and Data**

- Draw and interpret bar charts and pictograms
- Draw and interpret bar charts where one square represents one hundred units
- Measure weights in multiples of 100g; know how many grams are in a kilogram

#### **Addition and subtraction**

 Use column addition; use reasoning, trial and improvement to solve problems involving more complex addition

#### 2D shapes

- Identify, name and draw horizontal, vertical, perpendicular, parallel and diagonal lines, angles and symmetry in 2D shapes
- Measure the perimeter of 2D shapes by counting and measuring with a ruler

#### <u>Time</u>

 Tell the time on analogue and digital clocks to the minute, begin to tell the time 5, 10, 20 minutes later

			<ul> <li>Recognise am and pm and 24-hour clock times</li> <li>Fractions         <ul> <li>Recognise tenths and equivalent fractions; find one-tenth and several tenths of multiples of 10</li> <li>Begin to find one-tenth of single-digit numbers</li> </ul> </li> </ul>
Science	Plants – Autumn 1  *Identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers  *Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant  *Investigate the way in which water is transported within plants.  *Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	Rocks (Spring 1)  *Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties  *Describe in simple terms how fossils are formed when things that have lived are trapped within rock  *Palaeologists- 'Cookie Experiment'  *investigate the 'Rock Cycle'- 'Cheese toasty experiment.'  *Recognise that soils are made from rocks and organic matter.  *Compare different soils.	Animals, including humans (start in Spring 2 <sup>nd</sup> and finish in Summer 1)  *Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat  *Healthy food plate  *Food groups and what our body gets from each food group  *Identify that humans and some animals have skeletons and muscles for support, protection and movement.  *Identify bones in the human skeleton  * How do muscles work?

	Forces and magnets - Autumn 2  * Forces are push or pulls  *Gravity – Sir Isaac Newton, friction cars on a ramp.  *Notice that some forces need contact between two objects, but magnetic forces can act at a distance  *Observe how magnets attract or repel each other and attract some materials and not others  *Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials  *Describe magnets as having two poles  *Predict whether two magnets will attract or repel each other, depending on which poles are facing.		Light (summer 2)  *Name sources of light  *Identify that some light is reflected from surfaces Understand how a shadow is created  *Find patterns that determine the size of shadows – measure shadows  *Understand opaque, translucent and transparent
History	Ancient Egyptians The achievements of the earliest civilizations – an overview of where and when the first civilizations appeared –	<u>Changes in Britain from the Stone Age</u> <u>to the Iron Age</u> *Late Neolithic hunter-gatherers and early farmers, e.g. Skara Brae	Changes in Britain from the Iron Age to the Bronze Age *Iron Age hill forts: tribal kingdoms, farming, art and culture
	Ancient Egypt  • A study of Egyptian life and customs	*Bronze Age religion, technology and travel, e.g. Stonehenge	*Local study – evidence of Iron Age in Midlands eg; Bradgate park
	<ul> <li>Evidence and the legacy of the Egyptians</li> <li>Visit to New Walk Museum</li> </ul>		*Trip to Beaumanor Hall to learn about the Celts.
Geography	Countries and cities of the UK	Water in Leicestershire	Countries and cities of the UK
	An overview of where the UK is –	Compare water in Leicestershire	human geography, including: types
	place in world context. Use terms equator, northern hemisphere,	with other areas of UK	of settlement and land use, economic activity including trade
	southern hemisphere	<ul> <li>Study the reasons for flooding, effects and suggested solutions</li> </ul>	links, and the distribution of natural

- physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

#### **Local study – measuring rainfall**

Comparison of rainfall in various areas of UK. Measure rainfall.

- resources including energy, food, minerals and water
- Leicestershire land use
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

Trip to Foxton Locks

### RE What do different people believe about God?

A Worldview and multifaith topic. In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions.

In our topic we reflect this by asking the questions:

How do the beliefs discussed relate to my own life and that of my friends? Key concepts covered are:

What are your own views and ideas about God/Goddesses?

What is hard to talk about and why? Why do some people believe and some don't?

What do people with Worldviews think? What do Sikhs believe about God and Gurus?

What do Hindus believe about Gods/Goddesses?

What do Muslims believe about Allah? What do Christians believe about God?

### What does it mean to be a Christian in Britain today?

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions: Which objects are important to you and why? Which actions at home are important to you and your family?

Which activities are important to you outside the home and why?

How do you or your classmate worship God?

Is your own or your classmates worship similar or different to a Christians worship? How do you and your family help others? Key concepts covered are:

What does it mean to be a Christian in Britain today? With a study of the following areas: Families

Churches Communities Worldwide

#### Why do people pray?

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions: Who helps you when things go wrong? Choosing one person, how does that person help you?

Why do people talk?

What are your own thoughts on prayer? Key concepts covered are: Why do some people pray? Why is this important to them? Why do some people say prayer is helpful? Why do some people say prayer is difficult? Which objects or symbols do people in different religions use when they pray?

What words can people use when they pray? How is prayer similar and different for different people in different religions? This topic will focus on the religions and Worldviews represented within the class.

	What are Buddhist beliefs?	What are the benefits and challenges of	
DT	Structures Sholters	being a Christian in Britain today?	Mochanieme Bullove
DT	<ul> <li>Structures – Shelters</li> <li>Investigating exiting shelters</li> <li>How well has the shelter been made?</li> <li>-Why/ what have materials been chosen?</li> <li>-what methods of construction have been used?</li> <li>-what is the purpose/ use of the shelter?</li> <li>Make a mini model of a shelter and test with fan, watering can etc.</li> <li>-Can shape, form and model a structure</li> <li>-Build and select tools to build</li> <li>-Join materials and use tools</li> <li>-cut and measure</li> <li>-Evaluate the structure and suggest ways in which it can be improved</li> <li>Trip to Brocks Hill Park to build shelters.</li> <li>-Applying skills to a large-scale model following safety procedures</li> <li>-Evaluate the structures</li> </ul>	<ul> <li>Product/ Packaging - Healthy Cereal bars (Main DT unit)</li> <li>Investigate the graphic design of an existing package for sale</li> <li>-marketing of the product</li> <li>-design of the information on the package</li> <li>-persuasive text</li> <li>-Innovations: using their own ideas and improving products</li> <li>Using the design criteria to produce ideas for their own package</li> <li>Consider the views of others including the consumer to improve the design</li> <li>Formulate a final design which includes the main features of the package design</li> <li>Using the design criteria to evaluate their completed product</li> <li>Skills associated -</li> <li>Folding</li> <li>Cutting</li> <li>Graphic designs: text size, font, colours, eye catching</li> <li>Persuasive writing</li> </ul>	<ul> <li>Mechanisms – Pulleys</li> <li>How to use learning from science to lift a load</li> <li>Investigate how do they work, what do we use them for</li> <li>Construct a simple pulley using rope over a horizontal bar- to raise an object off the ground</li> <li>Use the correct technical vocabulary for the unit of work</li> <li>Design and test in real situation (Play/Build/Make own/Evaluate)</li> <li>Use i-pads to develop understanding of how pulleys work 'Invention 1&amp;2' app</li> </ul>

### Food Technology

#### Scones

- Food hygiene
- Talk about what needs to be done to work safely and hygienically
  - Weigh and measure ingredients with scales
  - Mixing, rubbing in, kneading, rolling out, cutting with pastry cutters
  - · Baking and timing
  - How to use a heat source (safely)
  - Discuss the ways in which food processing can affect the taste, appearance, texture and colour of the food (Over working the dough, adding too much or too little of one of the ingredients)

#### **Christmas biscuits- Shortbread**

- Food hygiene
- Talk about what needs to be done to work safely and hygienically
  - Weigh and measure ingredients with scales
  - Mixing, rubbing in, rolling out, cutting with pastry cutters
  - Baking and timing
  - How to use a heat source (safely)
  - Design a Christmas box

# <u>Product – Healthy Cereal bars (Main DT unit)</u>

- Linked to D/T topic
- Planning ingredients needed to make their cereal bars
- -reading existing recipes and adapting -choosing flavour combinations
  - Preparing food safely and hygienically
- -chopping, mixing
  - Discussing where does our food come from?
- -How is it grown?
- -Where is it grown?
- -Food miles
  - Healthy diet is made up of a variety and balance of different foods and drinks
- -Focus on healthy cereal bars to provide energy for the body
- -reducing sugar in our diet
  - Using tools safely
- -sharp knives for dicing fruits
- -Peeling fruits
- -mixing ingredients

#### Soup-

- Healthy eating
- Using tools safely
- -sharp knives for dicing vegetables
- -Peeling vegetables
- Preparing vegetables

#### Vegetable pasta/ rice

- Where does food come from?
- -seasonal food
- -how is it grown?
- -how is food processes into ingredients that can be cooked?
  - Preparation of food
- -peeling
- -slicing
- -chopping
- -grating
- Adapting recipe for taste
   -plan and choose ingredients to make their dish their own

#### **Fruit Smoothie**

- Where does food come from?
- Preparation of food
- -peeling
- -slicing
- -chopping
- -grating
- -blending
  - Adapting recipe for taste
- -plan and choose ingredients to make their dish their own.
  - Planning a healthy diet

		Cooking techniques     -sauté vegetables     -simmer     -blend with hand blender	
Art	Portraits  Can use coloured pencils with increasing confidence  Can create sketches to record their observations  Egyptian – silhouettes  Can use paint and equipment correctly  wash technique  Can use colour washes to build up layers of colour  Collage  cut out shapes for a silhouette  Andy Warhol –Printing and painting  Print using a variety of materials, objects and techniques including layering.  Talk about the processes used to produce a simple print	<ul> <li>Antony Gormley – sculptor</li> <li>Explore         <ul> <li>can create sketches to record their observations</li> <li>sketch body shape, positions, body proportions.</li> </ul> </li> <li>Draw the outline of a simple figure</li> <li>Evaluations         <ul> <li>can comment on difference and similarities in their own and others work</li> </ul> </li> <li>Can shape, form, model and construct from observations</li> <li>Join clay adequately and work reasonably independently.</li> <li>Construct a simple clay base for extending and modelling other shapes.</li> <li>Plan, design and make clay models.</li> </ul>	Use a range of tools to apply paint and create pattern     Combine paint and other materials effectively to create detail and text     Mix shades of primary and secondary colours     Identify complimentary colours     Begin to explore perspective by overlapping lines and shapes, and by blurring the edge of distant shapes     Use line drawing to show the size and relationship of shape     Use a view finder to isolate and record parts of an image  Additional art ideas     Indian artwork – elephants
	<ul><li>to produce a simple print.</li><li>To explore pattern and shape, creating designs for printing.</li></ul>	Melody Johnson quilt (Brusho and oil pastels)	<ul><li>Cultural differences</li><li>Patterns in art</li></ul>

- Can use equipment and media with increasing confidence.
- Can create a repeating pattern
- Can print two colour overlays
- Can relief and impressed printing processes
- Can use language appropriate to the skill
- Use ICT.

- Investigate art, craft and design in the locality and in a variety of genres, styles and traditions.
- Select and record from first hand observation, experience and imagination, and explore ideas for different purposes.
- Question and make thoughtful observations about starting points and select ideas to use in their work.
- Explore the roles and purposes of artists, craftspeople and designers working in different times and cultures.
- Compare ideas, methods and approaches in their own and others' work and say what they think and feel about them.
- Adapt their work according to their views and describe how they might develop it further.
- Annotate work in sketchbook.

#### ICT Research and development and E Modelling and simulation: exploring Communication – video and sound: the effect of changing variables in using recording software to -Awareness Handling Data and interpreting models of real life situations, eq: the prepare a news report - 'Ice Palace' data using database program effect of using different rocks and Communication: through art -Production of maps to show soils Control: using Beebot virtually to different use of land throughout creating a piece of art using ICT Leicestershire and the UK tools, using green screen then navigate through different adding costumes to pretend they environments Newspaper report – 'Ice Palace' Communication through text: are Egyptians. Andy Warhol- image editing presenting information using text. Create a family crest -linked to images through formatting. British values PΕ Games: tennis, cricket, T-ball and Games: Ball skills Orienteering linked to geography-• Can travel whilst bouncing a ball to Stonehenge athletics Games: Basket ball show control Can choose good places to stand • Can throw, catch a ball using • Can travel whilst bouncing a ball to when receiving, and give reasons different types of passes show control for their choice • Can choose good places to stand Can choose and use batting or • Can use a range of skills to help to keep possession and control of the when receiving, and give reasons throwing skills to make the games for their choice harder for their opponents ball Can use a range of skills to keep Team games Can follow and play small passing possession and make progress games and is aware of how they Hitting and striking skills could adjust their games to make it towards a goal, on their own or as Can, in pairs, make up a game and part of a team easier or harder play a simple rallying game • Can use a range of skills to help to Can perform the basic skills **Hockey** keep possession and control of the needed for the games with control Can hold the hockey stick correctly ball and consistency and safely Can follow and play small passing games and is aware of how they Can dribble the ball correctly and

with control

could adjust their games to make it

easier or harder

	<ul> <li>Can pass to a partner using a stopadjust -push method</li> <li>Can use a range of skills to help to keep possession and control of the ball</li> <li>Can follow and play small passing games and is aware of how they could adjust their games to make it easier or harder</li> <li>Can design small games with rules</li> <li>Gymnastics unit 1 (indoor) pathways</li> <li>Understanding the quality of their actions, body shapes and balance</li> <li>Considering the importance of strength</li> <li>Reflecting on how their body positioning can be improved</li> <li>Fitness (indoor)</li> <li>Can know the importance of strength</li> <li>Effects of exercise on the body</li> <li>What is good exercise</li> <li>Building stamina</li> </ul>	<ul> <li>Dance- concerts/ class assemblies</li> <li>Can improvise freely</li> <li>Can create and link phrases using simple dance structure</li> <li>Can perform dances with an awareness of rhythm on their own or as part of a group</li> <li>Gymnastics unit 2 (indoor) arching and curving</li> <li>Can improve the quality of their actions, body shapes and balance</li> <li>Knows the importance of strength</li> <li>Can evaluate their work and quality of performance</li> <li>Assessing peers performances and giving constructive feedback on how to improve.</li> <li>Fitness (indoor)</li> <li>Can know the importance of strength</li> <li>Effects of exercise on the body</li> <li>What is good exercise</li> <li>Building stamina</li> </ul>	Gymnastics unit 3 (indoor) linking moves  Can improve the quality of their actions, body shapes and balance Knows the importance of strength Can evaluate their work and quality of performance Peer and self-assessment and evaluation to develop and improve performances  Fitness (indoor) Can know the importance of strength Effects of exercise on the body What is good exercise Building stamina
Music	Singing: Christmas concerts, assemblies	Recorders: Graphic notation- composition  • Learn simple musical notation	<u>'Charanga' Music appreciation – Bob</u> <u>Marley</u>

<u>Diosing:</u> (Rotation over three terms each class has its own focus)

- Sing with increased expression
- Sing with breathing and diction
- Explore ways in which sounds can be combined and used expressively
- Perform with control of pulse and awareness of what others are playing
- Pitch, duration, dynamics, tempo, number of beats
- Use simple musical vocabulary to describe bothy sounds and the way they are produced
- Develop awareness of rounds, call and response, marching songs and sea shanties

- Learn how to play a few simple notes on the recorder
- Perform long and short sounds in response to symbols
- Create long and short sounds on an instrument
- Play and sing phrase from dot notation
- Make their own symbols as part of a class score
- Perform with awareness of different parts

- Identify melodic phrases and play them by ear
- Recognise rhythmic patterns
- Perform with awareness of different parts
- Sing with breathing and diction
- Explore a range of musical genre
- Listen and Appraise the song
   Three Little Birds and other songs:
   Three Little Birds by Bob Marley ,
   Jamming by Bob Marley ,Small
   People by Ziggy Marley
- Musical Activities -The children will be using instruments during this section of the unit

### Spanish

#### Content:

Can I follow classroom instructions given in Spanish?

Can I demonstrate knowledge of the basic phonic sounds of Spanish?
Can I greet someone appropriately?

#### Skills focus:

Year 3 pupils start with the phonics, learning the vowels first. They practise these using a variety of activities. They learn the numbers 1-10 and how to ask and give their age. Then they learn the other key phonic sounds. They read rhyming stories, sing songs, practise tongue twisters and have further opportunities to make the sound-written link by listening to words and anticipating their spelling.

#### Content:

Can I use numbers to 12? Can I say how old I am? Can I describe what's in my pencil case?

#### **Skills focus:**

Pupils learn numbers to 12, and this is reinforced with basic maths skills of addition, subtraction and number bonds to 12. They are introduced to some nouns (pencil case items). They are made aware of gender through colour coding. They use the verb forms 'tengo – I have', 'es – it is' and implicitly encounter the negative forms of these.

#### Content:

Can I name some common animals and describe them using colours

#### Skills focus:

The linguistic focus is gender, articles (definite & indefinite), plurals and adjectives (position & basic agreement). The grammatical concepts are all based around a core vocabulary of 9 animal nouns and 6 colours.

The key verbs are 'es' (he/she/it is), 'son' (they are), hay (there is/are). The negative is revisited and there is also a subtle introduction to 'también' (also/too/as well), 'pero' (but).

Trips	Class sessions School Council representative Class rules include: discussions about respectful relationships and how to create caring friendships Science/PE – focus on how to work well in groups/teams. RE: Respectful relationships - each person has the right to their own beliefs, values and traditions. Mental wellbeing: Anti-bullying week - Weekly assemblies (throughout the year focusing on emotions and appropriate behaviours)  Enhancement sessions Autumn 1: Personal safety: Road safety Autumn 2: Health and prevention: Importance of sleep and good hygiene including oral hygiene.  Sept Brocks Hill Country Park- Shelter	Class sessions Families and people who care for me: Literacy – 'Finding Nemo' links – discussion about relationships in families Respectful relationships: RE - Which actions at home are important to you and your family? Respecting other families traditions. Mental well-being: Mental well-being week Healthy eating: Food technology discussing the importance of planning and making healthy meals/snacks.  Enhancement sessions Spring 1: Internet Safety – whole school linked to Internet Safety Day) Being safe – looking at the concept of privacy and who to turn to if you're feeling unsafe/unhappy. Spring 2: Water Safety linked with assembly before Easter holiday when many of our children go abroad  Beaumanor Hall- The Celts (History)	Class sessions  Healthy eating: Science – focusing on a healthy balanced diet and the importance of this.  Physical health and fitness: Sports day, emphasise importance of regular exercise. Health and prevention: Science (Light) -safe and unsafe exposure to the sun and how to reduce the risk of sun damage.  Water safety – trip to Foxton Lock  Enhancement sessions  Summer 1: Mental well-being: Focusing on awareness and managing emotions.  Benefits of physical exercise and self-care (rest, spending quality time with family and friends)  Summer 2: Economics  Foxton Locks- Geography
111,50	building	Boddmanor rian The Cons (motory)	Toxion Looke Goography

Oct New Walk Museum- Egyptians	

<ul> <li>Identifying feelings and emotions linked to specific events.</li> <li>Developing question and enquiry skills.</li> <li>The Sword and the Stone         <ul> <li>Sequencing the story of King Arthur</li> <li>Labelling castle features.</li> <li>Setting descriptions.</li> <li>Diary of a killer cat by Anne Fine Character development</li></ul></li></ul>	<u>Yr 4</u>	Autumn Term	Spring Term	Summer Term
<ul> <li>Understanding the range and use of synonyms for effective writing.</li> <li>Mon-fiction writing – explanation texts</li> <li>Identifying the features of an</li> <li>Creating their own stories based pictorial information.</li> <li>Recognising real life issues</li> </ul>	English -	<ul> <li>Identifying feelings and emotions linked to specific events.</li> <li>Developing question and enquiry skills.</li> <li>The Sword and the Stone</li> <li>Sequencing the story of King Arthur</li> <li>Labelling castle features.</li> <li>Setting descriptions.</li> <li>Diary of a killer cat by Anne Fine</li> <li>Character development</li> <li>Recognising how actions and words contribute to a character description.</li> <li>How events within a story can affect a character's viewpoints and responses.</li> <li>Understanding the range and use of synonyms for effective writing.</li> <li>Use of first person to identify thoughts, feelings and actions of a character.</li> </ul>	The Lion, the Witch and the Wardrobe by C.S Lewis  Dialogue between two characters and the use of inverted commas Presenting an argument with reasoned points Retelling the story from a character's viewpoint. Predicting the next possible adventure Poetry Rhyming and non-rhyming poetry Structure and shape of poems Specific use of adjectives to create an effect  Newspapers Identify the features of a newspaper Newspaper style and phrases Reporting on a topical event  Non-fiction writing – explanation texts Identifying the features of an explanation texts with annotated diagrams. E.g. The Water Cycle	<ul> <li>How to Train a Dragon – by Cressida         Cowell         <ul> <li>Fantasy creature descriptions</li> <li>Developing setting descriptions</li> <li>Creating adventure and drama through vocabulary choice and sentence styles.</li> <li>Using a wide range of:</li></ul></li></ul>

	<ul> <li>Using inference skills to explore the main characters within the story.</li> <li>Writing a letter home as an evacuee to describe where they are staying and how they are feeling. In First person.</li> <li>Identifying personality traits within the good and evil characters.</li> </ul>		
English -	Tuesday	The Lion the Witch and the Wardrobe	How to Train Your Dragon
Reading	- Use of inference and	- Synonyms	- Author's use of drama and tension
	deduction	- Tenses	<ul> <li>Effect of different sentence styles on</li> </ul>
	Diary of A Killer Cat	<ul> <li>Understanding use of similes</li> </ul>	pace
	- Recognition of character traits	<ul> <li>Interpreting text extracts</li> </ul>	<ul> <li>Reading with expression and</li> </ul>
	and how they affect	Cracking Comprehension	intonation
	relationships	<ul> <li>Contextual understanding</li> </ul>	<ul> <li>Predicting outcomes</li> </ul>
	The Lion, the Witch and the	<ul> <li>Recognition of key words</li> </ul>	<ul> <li>Asking questions related to the text</li> </ul>
	Wardrobe	- Strategies for comprehension	<u>Cracking Comprehension</u>
	- Enriching vocabulary	Reading books	- Contextual understanding
	- Character development	- Self-selection of a variety of genres	- Recognition of key words
	- Character flaws/strengths	from the library and banded books.	- Strategies for comprehension
	Cracking Comprehension	- Guided reading of set text.	Reading books
	- Contextual understanding	- Whole class story book.	- Self-selection of a variety of genres
	- Recognition of key words	-	from the library and banded books
	- Strategies for comprehension Reading books		<ul><li>Guided reading of set text</li><li>Whole class story book</li></ul>
	iveanily nooks		- WITUIE CIASS STUTY DUCK

- Self-selection of a variety of genres from the library and banded books.
- Guided reading of set text.
- Whole class story book.

Maths

Place Value

Finding pairs with a total of 100

Adding to the next multiple of 100 and subtracting to the previous multiple of 100

Read, write 4-digit numbers and know what each digit represents

Compare 4-digit numbers using <

### nearest: 10, 100 and 1000 Addition and Subtraction

line

 Subtract 2-digit and 3-digit numbers by using complimentary addition

and > and place on a number

Round 4-digit numbers to the

- Add 2-digit numbers mentally
- Add two 3-digit numbers using column addition
- Subtract a 3-digit number from a 3-digit number using an expanded column method (decomposing only in one column)
- Double 3-digit numbers and halve even 3-digit numbers

#### **Place Value**

- Round 4-digit numbers to the nearest 10, 100 and 1000:
- Count on and back in multiples of 10, 100 and 1000:
- Count on in multiples of 25 and 50

#### **Addition and Subtraction**

- Add and subtract multiples of 10 and 100 to/from 4-digit numbers
- Use expanded written subtraction and compact written subtraction to subtract pairs of 3-digit numbers (one exchange)
- Add 4-digit numbers using written method with answers greater than 10 000

#### **Multiplication and Division**

- Learn the 7× table and tricky facts;
- Use the vertical multiplication to multiply 3-digit numbers by 1-digit numbers
- Understand how to divide 2-digit and 3digit numbers by 1-digit numbers using short division method
- Identify factor pairs
- Multiply and divide 2-digit and 3-digit numbers by 10 and 100 which involve decimals

#### **Fractions**

#### **Place Value**

- Find 1000 more and less of any given number
- Compare 5-digit numbers and understand what each digit represents
- Read and use negative numbers in the context of temperature
- Recognise and read Roman numerals to 100

#### **Addition and Subtraction**

- Subtraction of 2-, 3- and 4-digit numbers with column subtraction
- Addition of two 4-digit numbers using column addition
- Choose an appropriate method to solve word problems

#### **Multiplication and Division**

- Multiply and divide by 10 and 100 including decimals
- Learn the 11 and 12-times tables
- Multiple 3-digit by 1-digit numbers using vertical multiplication

#### **Fractions**

- Place decimal numbers on a number line
- Round decimals to the nearest whole number from two decimal places

<ul> <li>the counting up mental strategy and decide which to use</li> <li>Multiplication and Division</li> <li>Learn × and ÷ facts for the 6 and 9 times-table and identify patterns</li> <li>Multiply 2-digit numbers by single-digit numbers (the grid method)</li> <li>Use the grid method to multiply 3-digit by single-digit numbers and introduce the vertical method</li> <li>Divide numbers (up to 2 digits) by single-digit numbers with and without remainders using short division</li> <li>Fractions</li> <li>Find non-unit fractions of 2-digit and 3-digit numbers and use them to simplify fractions of and use them to simplify fractions and use them to denominators over 1</li> <li>Recognise, use, compare and order decimal numbers to the nearest whole number</li> <li>Recognise that decimals are tenths</li> <li>Recognise and compare acute, right an obtuse angles</li> <li>Identify perpendicular and parallel lines</li> <li>Recognise and draw line symmetry in shapes</li> <li>Scort 2d shapes according to their properties</li> <li>Draw the other half of symmetrical</li> </ul>	Reduce a fraction to its simplest form     Look at place value in decimals and link to fractions      Science  Animals, including humans	<ul> <li>Find missing lengths in rectilinear composite shapes</li> <li>Convert from one unit of length to another</li> <li>Measure in metres, centimetres and millimetres</li> <li>Read scales to the nearest 100 ml</li> </ul> Sound <ul> <li>Identify how sounds are made and the significance of vibration</li> </ul>	<ul> <li>Use coordinates to draw polygons</li> <li>Find the coordinates of shapes after translation</li> <li>Statistics</li> <li>Interpret and create data charts</li> </ul> Animals, including humans
Subtract 3-digit numbers using     Solve simple money problems with     Revise equivalent fractions     Accimals to two designal places.	the expanded written version and the counting up mental strategy and decide which to use  Multiplication and Division  • Learn × and ÷ facts for the 6 and 9 times-table and identify patterns  • Multiply 2-digit numbers by single-digit numbers (the grid method)  • Use the grid method to multiply 3-digit by single-digit numbers and introduce the vertical method  • Divide numbers (up to 2 digits) by single-digit numbers with and without remainders using short division  Fractions  • Find fractions of amounts  • Identify equivalent fractions  • Reduce a fraction to its simplest	<ul> <li>decimals to two decimal places</li> <li>Find non-unit fractions of 2-digit and 3-digit numbers</li> <li>Find equivalent fractions and use them to simplify fractions</li> <li>Recognise, use, compare and order decimal numbers to 1 decimal place</li> <li>Recognise that decimals are tenths</li> <li>Round decimal numbers to the nearest whole number</li> <li>Measurement</li> <li>Draw lines of a given length</li> <li>Tell and write the time to the minute on analogue and digital clocks</li> <li>Tell the time on digital clocks</li> <li>Convert AM/PM into 24-hour times</li> <li>Calculate time intervals</li> <li>Measure and calculate perimeters of rectilinear shapes</li> <li>Find missing lengths in rectilinear composite shapes</li> </ul>	<ul> <li>Recognise decimal and fraction equivalents</li> <li>Add fractions with common denominators over 1</li> <li>Measurement</li> <li>Calculate area and perimeter of rectilinear shapes</li> <li>Geometry</li> <li>Classify regular and irregular polygons</li> <li>Classify 3D shapes</li> <li>Recognise and compare acute, right and obtuse angles</li> <li>Identify perpendicular and parallel lines</li> <li>Recognise and draw line symmetry in shapes</li> <li>Sort 2d shapes according to their properties</li> <li>Draw shapes with given properties</li> <li>Draw the other half of symmetrical shapes</li> <li>Use coordinates to draw polygons</li> </ul>

- Identify the different types of teeth in humans and their simple functions
- Describe the simple functions of the basic parts of the digestive system in humans
- Using scientific vocabulary

#### States of matter

- Compare heated and cooled / evaporation and condensation.
   Group materials together, according to whether they are solids, liquids or gases
- Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (C)
- Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature

- Find patterns between the pitch of a sound and features of the object that produced it
- Features of the ear
- Measuring sound in decibels

#### **Electricity**

- Identify common appliances that run on electricity
- Safety awareness
- Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- Recognise some common conductors and insulators, and associate metals with being good conductors.

- Construct and interpret a variety of food chains, identifying producers, predators and prey
- Constructing and interpret food webs
- Sorting and classifying living things

#### **All Living Things**

- Identify and name a variety of living things (plants and animals) in the local and wider environment
- Use classification keys
- Habitat search and investigation
- Adaptation pollution and environmental

#### History

## The Roman Empire and its impact on Britain

 The growth and expansion of the Roman Empire including the invasion of Britain

## The Roman Empire and its impact on Britain

- British resistance. Causes and consequences of Boudicca's rebellion.
- Hadrian's wall

## Britain's settlement by Anglo-Saxons and Scots

- Why the Romans left Britain the fall of the Roman Empire
- Why the Anglo Saxons invaded Britain?

	<ul> <li>Why the Romans invaded Britain</li> <li>Exploration of Roman place names and their settlements</li> <li>What the Romans brought to Britain</li> <li>The Roman Army – why was the army so successful? Compare with Celts.</li> </ul>	<ul> <li>"Romanisation" of Britain: Roman towns and Roman Roads.</li> <li>The legacy of Roman culture (art, architecture or literature).</li> </ul>	<ul> <li>Anglo-Saxon life – villages, crafts, homes, food, culture</li> <li>Anglo-Saxon Kingdoms</li> <li>Anglo-Saxon art and culture – Sutton Hoo</li> <li>Anglo Saxon runes – code breaking</li> </ul>
Geograph y	<ul> <li>Countries and cities of Europe</li> <li>An overview of where Europe is         <ul> <li>place in world context.</li> <li>Locate and name countries within Europe and their capitals</li> </ul> </li> <li>Use of maps, atlases, globes and digital/computer mapping to locate countries and describe features</li> <li>Compare and contrast two European cities</li> <li>Climate zones of world</li> </ul>	Countries and cities of the UK     Comparison between a UK and European city         - Human and physical features     Class presentation talks- European countries	<ul> <li>Countries and cities of the Europe</li> <li>Using maps to identify and locate mountains and rivers</li> <li>European mountains and rivers features</li> <li>Volcanoes         <ul> <li>Different types</li> <li>Location</li> <li>Formation/ impact</li> </ul> </li> </ul>
RE	What does it mean to be a Hindu in Britain today? In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions: What is a special place to you and why?	Who are inspirational people in different faiths?  In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:  Who is inspirational to you and why?  What makes a good role model?  How should you treat others in your own life?	Why do some people think that life is a journey and what significant experiences mark this?  In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:  What is a journey?  Why do some people say life is a journey?

	How do you worship Gods or Goddesses? What are your aims and responsibilities in life? Key concepts are: What happens at a Mandir and why? How do Hindus worship Gods and Goddesses? How is worship similar or different in a Mandir compared to another religion studied? What are Hindu aims and duties? How do Hindus reflect their aims and duties in their lives? What is good and challenging about being a Hindu in Britain today? How do Hindus, other faiths and people with Worldviews help others?	What are your most important values today and why?  Key concepts covered are: Who are inspirational people to different religions and why? including Buddha Jesus Guru Nanak Gandhi Prophet Muhammad (pbuh) Moses	What are the key points in your life's journey so far? What would you say are the key points in a whole life journey? What are your own experiences of Birth ceremonies?  Key concepts covered are: Why do people have rituals or ceremonies to mark life's events? How do different religions and people with Worldviews welcome babies with Birth ceremonies? How are Birth ceremonies similar? How are birth ceremonies different? What happens during religious joining/commitment ceremonies (Jewish Bar or Bat Mitzvah ceremony, Hindu sacred thread ceremony, Sikh Amrit ceremony, Christian Confirmation, Christian Believers baptism)
RSE	<ul> <li>Families and people who care for me</li> <li>Caring friendships</li> <li>Respectful relationships</li> <li>Mental well-being</li> <li>Being safe</li> <li>Physical health and fitness</li> <li>Health and prevention</li> </ul>	<ul> <li>Respectful relationships</li> <li>Online relationships and Internet safety</li> <li>Mental well-being</li> <li>Physical health and fitness</li> <li>Healthy eating</li> <li>Health and prevention</li> </ul>	<ul> <li>Respectful relationships</li> <li>Mental well-being</li> <li>Physical health and fitness</li> <li>Healthy and safer lifestyles</li> </ul>
DT	<ul> <li>Product – Textiles e.g. make a bag</li> <li>Investigate a variety of bag designs/ purposes</li> </ul>		<ul> <li>Structures – Towers</li> <li>Investigate towers from around the world</li> </ul>

	<ul> <li>Generate ideas, considering the purposes for which they are designing</li> <li>Making templates for bag construction</li> <li>Skills -Measure, mark, cut out and shape a range of materials.</li> <li>Use the appropriate tools and techniques</li> <li>Sew using a range of different stitches</li> <li>Appraise their products against the design criteria</li> </ul>		<ul> <li>Design, test and improve to meet purpose</li> <li>Create and label drawings from different views showing specific features.</li> <li>Select appropriate tools and techniques for making their product.</li> <li>Evaluate the tower's performance both during and at the end of the assignment.</li> <li>Make improvements throughout the designing process.</li> </ul>
Art	<ul> <li>Face portrait- using sketching and shading skills to complete the other half of their photograph</li> <li>Colour mixing- starting with white and adding a single colour how many shades can you make - blending</li> <li>Frank Stella – looking at repeated pattern, abstract art. Colouring and drawing skills with precision.</li> <li>Collage mosaic – Romanskills building a picture or pattern with coloured tiles</li> <li>Christmas artwork</li> </ul>	<ul> <li>Lion the Witch and the wardrobe inspired artwork- setting, characters</li> <li>Collaborative work to create a scene from Narnia- collage, painting mixed medias. Skill of blending colours and mixing paints- brush techniques- how to use the brush to make different marks. Collage –layering materials to make texture, colour and shape.</li> <li>Painting – Elspeth Maclean-pointillism- George Seurat- control of paint, brush and technique to build a picture using dots.</li> </ul>	<ul> <li>Painting using artists e.g.         compositions with Georgia O Keefe</li> <li>Clay sculpture –Anglo Saxon         artefacts</li> </ul>

	<ul> <li>Lion the Witch and the wardrobe inspired artwork- fantasy landscapes</li> </ul>		
Computing	<ul> <li>Keyboard recognition</li> <li>In Word know how to use spell check, different font effects, table inserting and formatting and keyboard shortcuts. Use font sizes and effects such as bullet points appropriately.</li> <li>Experience of using green screen for a specific audience – linked to Roman Day</li> <li>E-safety</li> </ul>	<ul> <li>To create a simple game by forming an algorithm that can be completed by somebody else</li> <li>Solve open-ended problems with software using efficient procedures to create shapes and letters (Alex, Hopscotch, and iPads).</li> <li>To recognise bugs on a program and make appropriate changes to solve the problem</li> <li>Exploring electrical circuits through <a href="https://www.learningcircuits.co.uk/learning.html">https://www.learningcircuits.co.uk/learning.html</a></li> <li>E-safety</li> </ul>	<ul> <li>Use multimedia (PowerPoint – transitions and animations)</li> <li>Use data logger to record and compare individual readings during the kettle experiment.</li> </ul>

Music	Guitars	Guitars	Guitars
	Play and perform ensemble contexts, playing musical instruments with increasing accuracy and fluency.  The children learn the notes of a guitar and how to strum the instrument effectively.  Listen with attention to detail and recall sounds with increasing aural memory.  The children learn to play along by following a leader and using call and response.  Use and understand staff and other musical notations.  The children learn to read guitar tabs.	Play and perform ensemble contexts, playing musical instruments with increasing control and expression.  The children use the string names and have learnt how to strum and form a note.  The children learn to play with expression and control.  To use and understand staff and other musical notations.  Charanga- The Beatles	Listen with attention to detail and recall sounds with increasing aural memory.  The children will play along to a backing track whilst reading notation.  The children play and perform in ensemble contexts.  Child play with increased accuracy, fluency, control and expression.  Charanga- Djembe drums
	Christmas concert		
Spanish	Pupils start with the colours, learning how adjectives change according to what they are describing. They then learn a variety of fruits, based on the story of The	Pupils begin this topic by learning some food and drink nouns, focusing on the gender of nouns and looking for clues to ascertain gender. They move on to acquire knowledge of transactional language to enable them to	The linguistic focus is on nouns of time and number The key verbs 'es' (is), 'son' (they are), and hay (there is/are) are used and the pupils also reinforce use of 'también' (also/too/as

	Hungry Caterpillar, and are name and to sequence the the week. Finally, they are re-assemble the story in o	e days of an able to	1: • • •			well), 'pero' (but) when describing celebrations.	
PE Indoor	GYMNASTICS VS Unit P and Q	GYMNASTIC Unit R	S Dance	O&A		DANCE <i>Hakka</i>	GYMNASTICS VS Unit S
PE Outdoo	r	INVASION GAMES Hockey	INVASION GAMES Tag Rugby	INVASION GAI Basketball		STRIKING & FIELDING GAMES Rounders	ATHLETICS
Trips and visits	Conkers – Roman Day De Montfort Hall – Christm		E place of worship		_	en- Anglo-Saxons ical Gardens trip – li ce)	ving things

**Year 5 - Overview** 

	Autumn	Spring	Summer
English - Writing	<ul> <li>All about me</li> <li>Inside out- descriptive writing based on feelings</li> <li>Boy at the back of the class- writing based on empathy and character descriptions. Persuasive letter writing.</li> <li>Narrative story openings – description, action, metaphors and similes</li> <li>Dialogue opening- 'The Present'</li> <li>Descriptive writing - The haunted house and Toothie and the cat</li> <li>Action openings – Percy Jackson – whole class then Indiana Jones</li> <li>Talk on famous person -presentation</li> <li>Reports – non-chronological reports Non-fiction writing – linked to history topic crime and punishment and science</li> </ul>	<ul> <li>Shackleton – explore the story, poetry, characters, application for job, speech, diary of events</li> <li>Motivational speech - Shackleton Diary.</li> <li>Diary – linked to polar explorer</li> <li>Persuasive report</li> <li>Shakespeare – the life of Shakespeare comprehension, Headlines – type of paper, retell of summary of story, character synopsis, becoming a character, agony aunt letters, review of film and comparison with play</li> <li>Performance poetry (rap)– link to Shakespeare</li> <li>Poetry – senses, and onomatopoeia</li> <li>Non-fiction writing – explanation text based on humanities and science topics</li> </ul>	<ul> <li>Narrative – focus on a book-Kenzuke's Kingdom</li> <li>Myths and legends</li> <li>Narrative Greek myths</li> <li>King Kong – explore the story, characters and themes. Letter from Jack, story</li> <li>King Kong debate</li> <li>Poetry – learn and recite classic poems</li> <li>Superheros- intro, what makes a superhero, poem, Superhero creator, designing a superhero report.</li> <li>Superhero day - wanted poster, video, photo on greenscreen</li> </ul>
Reading	Boy at the back of the class	Shakespeare's Romeo and Juliet and Shackleton's journey by William Grill	Kensuke's Kingdom

### Comprehension skills covered in Guided reading sessions, comprehension lessons, individual readers and cross curricular texts.

Read for fluency and expression.

Recount main themes /events.

Comment on structure of text: both fiction and non-fiction.

Listen to, discuss and express views about a wide range of text types.

Predict and make inferences on the basis of what has been read.

Comment on the way characters relate to one another.

Know which words are essential in a sentence to retain meaning.

Read books structured in different ways.

Explain the meaning of words in context.

Ask questions to improve understanding of text.

Infer characters feelings, thoughts and motives from their actions.

Summarise ideas from different points across a text.

Identify themes and conventions in a wide range of books.

Discuss words & phrases which interest.

Summarise main points of argument or discussion.

Make up own mind about issues and justify views.

Make comparisons between texts with reasons.

Recognise how time connectives help to move a story on.

Refer to text to support opinions & predictions.

Give a view about writer's choice of words, structure etc and some can discuss if they can suggest alternatives.

#### **Deduction**

Know if a text refers to present or past.

Read on to search for meaning of unfamiliar words.

Recognise how words and phrases can signal time.

Retrieve and record information from non-fiction texts.

Understand how the meaning of sentences is shaped by punctuation, phrase length, word order and

connectives.

## Grammatical awareness (explicitly focused upon from Easter onwards in preparation for year 6)

Identify speech marks in reading and understand purpose.

Recognise plurals and collective nouns.

Recognise pronouns and how they are used.

Identify & discuss how adjectives and verbs bring reading to life.

Identify how language structure & presentation contribute to meaning.

Recognise prepositions in text.

Recognise clauses within sentences and

identify how they are connected.

Recognise and unpicks complex sentences.

Identify connectives with multiple purposes.

Maths Place Value Place Value Place Value

 Understanding place value and applying this to addition and subtraction calculation strategies involving 5-digit numbers.

#### **Addition and Subtraction:**

- Add and subtract 2-3-4-digit numbers mentally; choose a strategy for solving mental additions or subtractions and to solve word problems.
- Add and subtract 0.1 and 0.01

#### **Multiplication and Division**

- Multiply and divide by 0 and 100
- Use mental multiplication strategies to multiply by 20, 25 and 9.
- Find factors of a given number

#### **Fractions and Decimals**

- Understanding place value in decimal numbers.
- Multiply and divide numbers with up to two decimal places by 10 and 100.
- Compare and place fractions on a line
- Find equivalent fractions and reduce them to their simplest form.
- Express remainders as a fraction and solve division word problems.

#### Measurement

• Revise converting 12-hour clock times to 24-hour clock times.

- Read and write numbers with up to 6 digits and understand the place value of each digit.
- Place 6-digit numbers on a number line

#### **Addition and Subtraction**

- Rehearse mental addition strategies for decimals and whole numbers
- Solve missing number sentences
- Use mental strategies to solve multistep word problems.

#### Multiplication and division.

- Identify prime numbers
- Revise finding factors of numbers
- Find squares and square roots of square numbers
- Finding patterns and making and testing rules
- Multiply and divide by 10/100/1000 using a place-value grid.

#### **Fractions and Decimals**

- Round two place decimal numbers to nearest tenth and whole number
- Place mixed numbers on lines
- Convert improper fractions to mixed numbers and vice versa
- Write improper fractions as mixed numbers
- Multiply proper fractions by whole numbers.

#### **Measurement**

- Read, write and compare decimals to three decimal places, understanding that the third decimal place represents thousandths.
- Write dates using roman numerals

#### Addition and subtraction

- Add mentally 2-place decimal numbers in the context of money using rounding
- Add several small amounts of money using mental methods
- Mentally subtract amounts of money including giving change
- Calculate the difference between two amounts using counting up
- Solve word problems, including 2step problems, choosing an appropriate method
- Add 5-digit numbers using written column addition
- Subtract 5-digit numbers using written method
- Check answers to subtractions using written column addition
- Solve subtractions of 4- and 5-digit numbers using written column subtraction or number line counting up.

#### **Multiplication and Division**

- Find a time a given number of minute or hours and minutes later.
- Calculate time intervals using 24-hour clock format.
- Measure lengths in mm and convert to cm

Find perimeter in cm and convert cm to m.

#### Geometry

- Use a protractor to measure and draw angles in degrees
- Use terms and classify angles
- Identify and name parts of a circle including diameter, radius and circumference
- Use angle facts to solve problems related to turn.

- Convert from grams to kilograms and vice versa
- Give approximate values of miles in kilometres and vice versa.

#### Geometry

- Know properties of equilateral, isosceles, scalene and right-angled triangles.
- Know that angles in a triangle have a total of 180 degrees.
- Understand what a polygon is.
- Recognise quadrilaterals

- Use short multiplication to multiply 3digit and 4-digit numbers by 1-digit numbers
- Use long multiplication to multiply 2digit and 3-digit numbers by teens and numbers.
- Multiply and divide numbers by 10, 100 and 1000 using 3-place decimal numbers in the calculations.
- Identify factors and multiples, find factor pairs.
- Using short division to divide 3-digit numbers by 1-digit numbers and 4digit numbers by 1-digit numbers
- Use long multiplication to multiply 3digit and 4-digit numbers by teens numbers.

#### **Fractions and Decimals**

- Multiply fractions less than 1 by whole numbers, convert improper fractions to whole numbers
- Read, write, order and compare 3place decimal numbers.
- Understand what percentages are, relating them to hundredths
- Know key equivalences between percentages and fractions, finding percentages of amounts of money.
- Find equivalent fractions, decimals and percentages

Solve problems involving fraction
and percentage equivalents
<u>Measurement</u> ■ Find the area and perimeter of
squares and rectangles by
calculation and pursue a line of
enquiry
Estimate and find the area of
irregular shapes
Calculate the perimeter and area of
composite shapes
Use the relations of area and
perimeter to find unknown lengths.
Begin to understand the concept of
volume.
Finding the volume of a cube or cuboid by counting cubes.
Geometry
Read and mark co-ordinates in the
first two quadrants.
Draw simple polygons using co-
ordinates.
Translate simple polygons by adding
to and subtracting from the co-
ordinates
Reflect simple shapes in the y-axis or in a line
Translate simple shapes and note
what happens to the co-ordinates.

History	<ul> <li>Crime and punishment</li> <li>What do you know?</li> <li>Overview of topic and timeline</li> <li>Crime and punishment in Roman period – curse tablets</li> <li>Crime and punishment in Anglo Saxon and Viking Period - link to Robin Hood</li> <li>Crime and punishment in the medieval and Tudor periods – visit to Galleries of Justice</li> <li>crime and punishment in the early modern period – Stuarts to 1800</li> <li>Crime and punishment in Victorian Period</li> <li>Review all periods and compare to today</li> </ul>	Linked to Shackleton- race to Poles Shakespearean times	<ul> <li>Draw regular and irregular 2D shapes using given dimensions and angles</li> <li>Ancient Greece – a study of Greek life and achievements and their influence on the western world</li> <li>Ancient Greece – a study of Greek life and achievements and their influence on the western world</li> <li>Where is Greece</li> <li>Greek life</li> <li>The Greek gods</li> <li>Five Greek states – diary before games</li> <li>Greek pot</li> <li>Greek top trumps</li> <li>Achievements</li> </ul>
Geogra phy	<ul> <li>Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains</li> <li>human geography, including: types of settlement and land use</li> <li>use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</li> </ul>	<ul> <li>Arctic and Antarctic (shorter study)</li> <li>physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes</li> <li>human geography, including: types of settlement and land use.</li> <li>use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</li> </ul>	Mars work – satellite images North America  • Earthquakes, volcanoes, tectonic plates use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge.

	<ul> <li>To know where North America is in the world and what countries make it up.</li> <li>To understand some of the key topographical features of the countries in North America</li> <li>To identify climate zones and weather conditions and how they have influenced population settlement.</li> <li>To identify biomes and vegetation belt</li> <li>To identify areas of population density and the reasons for it</li> <li>To identify areas of interest within North America</li> <li>To compare North America with the United Kingdom</li> <li>World Week –investigation of North American countries</li> </ul>	Local study – temperatures  • Comparison of temperature between UK and Polar regions. Measure compare and collate information in a graph.	
Science	<ul> <li>describe the movement of the Earth, and other planets, relative to the Sun in the solar system</li> <li>describe the movement of the Moon relative to the Earth</li> <li>describe the Sun, Earth and Moon as</li> </ul>	compare and group together everyday materials based on evidence from comparative and fair tests, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets	<ul> <li>Animals, including humans</li> <li>describe the changes as humans develop from birth to old age - human timeline</li> <li>Puberty – changes in humans from child to adult</li> <li>Compare gestation of animals to humans against a habit.</li> </ul>
	<ul> <li>approximately spherical bodies</li> <li>use the idea of the Earth's rotation to explain day and night</li> <li>Describe the solar system (link to literacy Mars work)</li> <li>Compare Earth to Mars</li> </ul>	<ul> <li>understand that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</li> <li>demonstrate that dissolving, mixing and changes of state are reversible changes</li> </ul>	humans, length and mass of a baby as it grows, scatter graph  All living things

•	Scientists to consider – Ptolemy, Alhazen	
	and Copernicus	l

#### Forces

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- Understand that force and motion can be transferred through mechanical devices such as gears, pulleys, levers and springs. Focus on gears

- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.

Scientists to consider – Galileo and Newton

- explain the differences in the life cycles of a mammal, an amphibian, an insect and a bird - think about birth, time to adulthood, reproduction, gestation and life expectancy
- describe the life process of reproduction in some plants and animals –
- flowering plants- asexual plants
- Think about unusual/ uncommon lifecycles fairy wasp
- Compare local plant and animal to arctic/Antarctic plant or animal

Scientists to consider – David Attenborough and Jane Goodall

#### DT Structures – Bridges

- Investigate famous bridges, link to North America
- Design and build a bridge and test it to 'destruction' by adding weights until the bridge collapses.
- Draw up a specification for their design and how to improve it.
- Develop a clear idea of what has to be done, planning how to use the materials, equipment (weights) and processes, suggesting alternative methods of making if the first attempts fail.
- Select appropriate tools and techniques.

#### <u>Mechanisms – Gears</u> <u>Links with science.</u>

- Investigate how do they work, what do we use them for.
- Design and test in real situation bikes.
- Develop a clear idea of what has to be done, planning how to use the materials, equipment (weights) and processes.
- Skills using scientific knowledge of the transference of forces to choose appropriate mechanisms for a product (such as levers, winding mechanisms, pulleys and gears)

	<ul> <li>Weigh and measure according to plan. Record data of length and height.</li> <li>Record the weight each trial will support.</li> <li>Evaluate the structure and seek evaluation from others.</li> </ul>		Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
Food Technol ogy	<ul> <li>Rock Cakes – link with Science (reversible and irreversible changes.         <ul> <li>Know and understand the practise needed in terms of food hygiene and kitchen safety when using the equipment.</li> <li>Discuss how the properties of certain foods can affect the final product.</li> <li>Select the appropriate methods and equipment for measuring – the ingredients and time.</li> <li>Understand that once the ingredients are cooked, they cannot be reversed back to their original form.</li> </ul> </li> <li>Skills:         <ul> <li>Mixing ingredients together by rubbing the mixture with hands.</li> <li>Knowing how to use scales in order to weigh out the ingredients.</li> <li>Knowing how to crack an egg.</li> <li>Keeping time management of the</li> </ul> </li> </ul>	<ul> <li>Potatoes – grown, link with science.</li> <li>Know and understand the different parts of a potato plant</li> <li>Prepare the ground using compost to form a bed.</li> <li>Understand the process of chitting and how this helps the potatoes to grow faster and produce a bigger crop.</li> <li>Know what time of year is beneficial for successful growth.</li> <li>Use gardening tools safely and harvest potatoes without damaging them.</li> <li>Preparing different types of food made from using the potato.</li> <li>Skills:         <ul> <li>Growing and harvesting potatoes</li> <li>Know how to cut potatoes safely</li> <li>Children to investigate the possible end products.</li> </ul> </li> </ul>	<ul> <li>Greek meal – link with healthy eating and geography.</li> <li>Children to research different types of Greek food</li> <li>Child to create a menu</li> <li>Starter e.g. – bread and tzatziki</li> <li>Main – Greek salad</li> <li>Desert – fruit kebabs.</li> <li>Discuss food groups and talk about nutrition.</li> <li>Skills:</li> <li>Cutting, mixing, chopping</li> <li>Creating different meals</li> </ul>
Art	product.  Art- use of sketchbooks throughout to practise methods etc in their own work and the work of		Il and techniques. Can comment on ideas,

- Over and above self-portraits-layout of face and figure- artist Clarence Holbrook Carter- water colour/skin tones/background –block paints/brush strokes/selecting paintbrushes
- Sonia Delaney- circles exploring line and colour- using compasses/measuring choice hot and cold colours or complimentary colours
- Haunted house silhouettes –look at various artists who have painted haunted house silhouettes- how have they conveyed the scariness –background verses foreground. Using a graduated wash for background and solid painting of silhouette.
- North American topic –day of dead mask –symmetry-pattern-cross curricular-water colours
- Calendars- seasonal trees stippling mixing paint on paper- colours associated with seasons

- Mexican owls –chalk/oil pastels/blending/background verses foreground/cross curricular
- ICT Van Gogh pictureobservation- drawing and painting using colour magic.
- Art linked to Shakespeare-drawing /shading/cross curricular-Shakespeare portrait.
- Art linked to Shackleton –collage and sea scapes.

- Painting using artists eg: Ted Harrison/ B.H.Brody – colour mixing –pastels and brusho
- Use Brody technique and Greek landscape pictures to create their own piece or art – can they explain their decisions?
- Pastels using artists eg; Doug Hyde
   Shading and blending- characterssketches –different grades of pencilshading techniques
- Perspective sketching outside look at perspective by range of artists. Use squared paper as guide line then do their own.
- Street scene -Harry Potter
- Sculpture 3D –clay- cross curricular
   mythical creature pots.

## RE- What does it mean be a Muslim in Britain today?

RE

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:

Which values and practices are important to me and why?

What guides me in life and how does this compare to a Muslim's guidance?

## RE- Can we live by religious values in the twenty-first century?

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions: What is love? How does love make me feel? How can we recognise love?

## RE- If some people believe God is everywhere, why do some people go to a place of worship

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:
Which building is important to me in my life and why?

	What are special times in the year for me and how do I observe these? What special celebrations do I have? Why is pilgrimage important to religious believers? Key concepts are: How do the 5 pillars of Islam affect the life of a Muslim? How does the Muslim practice of the Five Pillars link to Muslim beliefs about God and Prophet Muhammad? What are the value and challenges of following the five pillars? Why is prayer important? How do the Quran and Hadith's guide Muslims in their daily lives? How are a Mosques key functions linked to Muslim beliefs? Why is fasting and zakat important in a Muslim's life? Why is celebrating Eid important to Muslims?	How do my own views on love compare with religious beliefs/Worldview ideas and why? Why do some people say is it hard to follow religious teachings on love? What are my own views on forgiveness? How do my own views on forgiveness compare with religious beliefs/Worldview ideas and why? Why do some people say it is hard to follow religious teachings on forgiveness?  Key concepts covered are: What do different religions and Worldviews teach about love? Can you retell at least one religious story about love with its moral?	What or who is helpful to me when there are difficult times? Which sacred buildings have I visited and what do I recall about them? Key concepts are: Can I match religions to names of scared buildings? What are the key features of a Gurdwara, Mandir, Synagogue, Church, Mosque? What do people from different religions say their place of worship is for? How are features of religious buildings linked to beliefs? How are religious buildings of the same religion different to each other? How are religious buildings helpful to believers in difficult times? Why are places of worship considered valuable to religious communities?
ICT	<ul> <li>Use PowerPoint to create a presentation incorporating sound, video and transitions</li> <li>E safety</li> <li>Identify parts of computer</li> <li>Poetry – feelings poems- combine text and graphic</li> <li>Research humanities and create a presentation</li> <li>Bridge poster</li> </ul>	<ul> <li>Use and edit images with Shakespeare work- mood boards and character recast</li> <li>E – safety</li> <li>Space – NASA Mars website investigation- (eg- take a mars adventure)</li> <li>Paint programme to create Van Gogh picture</li> </ul>	<ul> <li>Coding</li> <li>Spreadsheets and data handing</li> <li>Research and interactive history investigation</li> <li>Ipad- independent research</li> </ul>

Spanish	<ul> <li>Can I name school timetable, subjects?</li> <li>Talk/write about your day at school.</li> <li>Can I tell the time to the hour?</li> <li>Can I consolidate my knowledge of numbers to 20 (out of order)?</li> <li>Can I count in 10s up to 100?</li> </ul>	<ul> <li>Ipad Garageband- Shakespeare raps- creating backing track and lyrics.</li> <li>Can I describe the weather?</li> <li>Listen to a weather forecast</li> <li>Dictionary skills: 1) Know the parts of the dictionary 2) Know what the codes (nf, nm etc) mean 3) Be confident with alphabetical order 4) Find the meanings of new words</li> </ul>	<ul> <li>Recap transport</li> <li>Read a postcard</li> <li>Order ice creams and food/drink at a restaurant.</li> </ul>
PE	<ul> <li>Fitness- circuits</li> <li>Develop flexibility and control gymnastics</li> <li>Compare performances</li> <li>Play competitive games applying basic principles – hockey, netball</li> </ul>	<ul> <li>Speed, agility and quickness sessions</li> <li>Develop flexibility in dance</li> <li>Apparatus – develop flexibility and control</li> <li>Play competitive games – football, tennis, tag rugby</li> <li>Practise running, catching and jumping</li> <li>Swimming</li> </ul>	<ul> <li>Develop flexibility in gymnastics</li> <li>Play competitive games – cricket, rounders</li> <li>Athletics skills</li> <li>Practise throwing, running, jumping and catching.</li> </ul>
Music	<ul> <li>Young Voices – Biannually</li> <li>Inside out- making connection with music and feelings through the medium of song- cross curriculum</li> <li>Charanga – Livin' on a prayer</li> <li>Rock Music</li> <li>Listen and Appraise the song Livin' on a prayer and other classic rock songs:</li> </ul>	<ul> <li>Raps using Garage-band linked to Shakespeare</li> <li>Charanga – The Fresh Prince of Bel Air Old school hip hop</li> <li>Listen and Appraise the Fresh Prince of Bel Air and other hip-hop tunes:</li> <li>Fresh Prince of Bel Air by Will Smith</li> </ul>	<ul> <li>Charanga – Dancing In The Street Mo Town 1960s</li> <li>Listen and Appraise:</li> <li>Dancing in the Street by Martha and the Vandellas</li> <li>I can't help myself (sugar pie honey bunch) sung by The Four Tops</li> </ul>

Me. Myself and I by De La Soul I heard it through the Grapevine sung by We will Rock you by Queen Marvin Gave Smoke on the Water by Deep Purple Ready or Not by the Fugees Aint no Mountain High Enough sung by Rockin' all over the world by Status Quo Rapper's Delight by The Sugarhill Gang Stevie Wonder Johnny B. Goode by Chuck Berry U cant touch this by MC Hammer The Tracks of my Tears sung by I saw her standing there by the Beatles It's like that by Run DMC Smokey Robinson and the miracles. Skills: Skills: Skills: Sing with increasing control of breathing, Explain the features and processes of a Explain the features and processes of a posture and sound projection range of musical genre and styles. range of musical genre and styles • Sing songs in tune with expression and Explain the cultural and historical Explain the cultural and historical rehearse with others contexts of range of musical genre and contexts of a range of musical genre Maintain a complex part in a large styles and styles ensemble or a choral group with multiple Improve their work through analysis. Compare, improve and perform a range evaluation and comparison. parts. of melodies and songs combining Create different effects using different parts. combinations of pitched sounds. RSE Class rules include: discussions about Getting to know our bodies- Puberty Shackleton speech – relationship respectful relationships and how to respect - mental well being - Science, life create caring friendships Mental wellbeing- Normal part of daily cvcles. School council representativeslife in the same way as physical health, Girl and Boys talk – being safe, democratic voting system to select judge feeling and behaviour menstrual cycle, change representatives for the year group and Physical health and fitness: Sports class. Physical health and fitnessday, emphasise importance of regular importance of a healthy lifestyle, effects exercise. Families and people who care for meof a poor diet and risks associated with characteristics of healthy family life. it. healthy eating. Physical health and fitness- Healthy commitment to each other and times of E-safety- being safe- Online eating – what we need to do to maintain difficulty relationships and Internet safety: a healthy routine Caring friendships and Mental wellwhole school Internet Safety Day, rules Sleep - good sleep **being:** Literacy – Inside Out and All about and principles for keeping safe online. **Economics** 

me

<ul> <li>Being safe- personal space, boundaries, respond safely and appropriately to adults, asking for advice, worries.</li> <li>Personal safety: Road safety</li> </ul>	Being safe- Water Safety linked with assembly before Easter holiday when many of our children go abroad	
<ul> <li>Stranger Danger – walking home, who do they talk to, respond safety</li> <li>Health and prevention- Hygiene and germs, personal hygiene, how things spread.</li> </ul>		

Year 6

	Autumn Term	Spring Term	Summer Term
Literacy	To understand the features of and how to create character descriptions, narrative pieces, interviews, police reports, journals and newspaper reports through the following activities for a desired audience  9. Journalism – Cluedo - who done it? Narrative – description of a character using the characters from a Series of Unfortunate Events  10. Description of a setting— description of the world, journal writing  11. Narrative writing – ghost stories using Goosebumps  12. Use poems within guided reading sessions  13. Non fiction writing linked to historical figures of Leicester  14. Narrative - short playscripts – based on sci fi – War of the Worlds link with ICT	To understand the features of and how to create character descriptions, narrative pieces, interviews, police reports, journals and newspaper reports through the following activities for a desired audience  15. Narrative – focus on a book eg Skellig  16. Formal letters and informal (incorporate into all topics this term)  17. Non-fiction writing – reports linked to South American rainforests – persuasive writing, diaries, journals	To understand the features of and how to create character descriptions, narrative pieces, interviews, police reports, journals and newspaper reports through the following activities for a desired audience  18. Non- fiction – Mayan Civilization  19. Dracula – narrative told by letters and diaries  20. Performance Poetry – own versions of Revolting rhymes - Rainforest Rap
Numeracy	To understand how to use and apply the following	To understand how to use and apply the following  Reading and writing 7 digit numbers  Subtracting large numbers	To understand how to use and apply the following  To understand how to use and apply the following  To understand how to use and apply the following  Decimal place value

- Addition of whole numbers
- Addition of decimals and whole numbers
- Missing number problems
- Finding missing angles and lengths
- Using brackets
- Converting grams to kilograms
- Converting lengths
- Finding time intervals
- Subtraction strategies
- Decimal subtraction
- Multiplication mental, short and long
- Negative numbers
- Comparing fractions
- Fractions and mixed numbers
- Area and perimeter
- Finding volume
- Nets
- Dividing by whole numbers
- Addition and subtraction of fractions
- Fractions and percentages
- Multiplying and converting fractions
- Dividing fractions by whole numbers

- 2 and 3 place decimal numbers
- Equivalent fractions and decimals
- Multiplying fractions
- Multiplying decimal numbers
- Multiplying 3 and 4 digit numbers
- 2d shapes and angles
- Addition mental
- Addition column
- Subtraction mental
- Subtraction column
- Identifying factors and multiples
- Identifying prime numbers
- Division long
- Calculating change
- Adding and subtracting decimal numbers
- Calculating averages
- · Reading line graphs
- · Reading pie charts
- Reading coordinates and translating shapes
- Calculating angles
- Solving decimal problems
- Dividing by 2 digit numbers
- Describing functions and number sequences
- Identifying ratios
- Word problems
- Algebra puzzles

- Multiplying and dividing by 10, 100 and 1000
- Rounding numbers
- Positive and negative numbers
- Adding and subtracting whole numbers and decimals
- Fractions and percentages
- Algebra
- Scaling by multiplying and dividing
- Multiplying by integers and decimals
- Using division to find fractions of amounts
- Dividing 4 digit numbers by 2 digit numbers
- Multiplication and division investigation
- Dividing with decimal remainders
- Coordinates
- Adding and subtracting fractions
- Multiplying and dividing with fractions
- Ratio
- Reading scales and measure problems
- Properties of 2d shapes
- Measuring and calculating angles
- Area perimeter and volume
- Intervals of time
- Interpreting graphs
- Money investigations

			<ul> <li>Magic square</li> <li>Fibonacci Sequences</li> <li>Word problems and mixed calculations</li> <li>Percentage problems</li> </ul>
Science	Animals, including humans  To use a combination of theoretical and practical science so that the children are able to use, test and apply science in the following topics  • identify and name the main parts of the human circulatory system, and explain the functions of the heart, blood vessels and blood  • recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function  • Describe the ways in which nutrients and water are transported within animals, including humans.  Evolution and inheritance  • recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago (Twycross zoo) Dinosaurs	Living things  To use a combination of theoretical and practical science so that the children are able to use, test and apply science in the following topics  • Continue classification. Investigate the animals and plants found within South American environments. How do animals plants differ here than in UK.  • describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals  • give reasons for classifying plants and animals based on specific characteristics  • Study of invertebrates and plants in local area, children try to classify Scientists to consider – Carl Linnaeus (plants) Came up with a classification system and a naming system using genus and species_	Electricity  To use a combination of theoretical and practical science so that the children are able to use, test and apply science in the following topics  • associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit  • compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches  • Use recognised symbols when representing a simple circuit in a diagram  Light  • understand that light appears to travel in straight lines  • use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into

#### Stem Week

- To use a variety of sources to understand and apply the work of a palaeontologist
- To research facts and figures about dinosaurs to make scientific theoretical statements
- To research the adaptation of dinosaurs to create (based on their understanding of the benefits of features) the ultimate dinosaur using clay.
- To understand theories of extinction of the dinosaurs and to make judgements about the probability of the validity of the theories.
- To use their understanding of area and perimeter to solve dinosaur enclosure problems.
- To use scale to draw dinosaurs.
- To design an "RV" suitable for a palaeontologist based on the knowledge gained from research.

Scientists to consider – Darwin and Wallace – evolution
Mary Anning – Palaeontologist

#### **Evolution and inheritance**

 recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents (brief outline of genes – dominant)

Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

#### the eve

 explain that we see things because light travels from light sources to our eyes or from light sources to objects and then

#### to our eves

 use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast

them, and to predict the size of shadows when the position of the light source changes.

 How does light behave – predict, male Shadow puppets, rainbows, investigate how objects appear to bend in water

Scientists to consider -

Michael Faraday

History	<ul> <li>A history of Leicestershire</li> <li>Children research key moments in Leicestershire's history to understand how Leicestershire has changed over the years.</li> <li>To research key figures in Leicestershire's history – Richard III</li> <li>To understand the events of the War of the Roses leading to the Battle of Bosworth and the reasons and impacts of the events</li> <li>Richard III – visit guildhall and exhibition</li> </ul>	Non-fiction writing linked to historical figures of Leicester  21. To understand the theories behind the disappearances of the Princes in the Tower  22. To judge the validity of the evidence  23. To recognise bias and how evidence can be manipulated  24. To make conclusions based on evidence and crate persuasive arguments	A non-European society that provides contrasts with British history  • Mayan civilization c. AD 900
Geography	<ul> <li>South America         <ul> <li>To understand the physical geography of South America including: climate zones, biomes and vegetation belts, rivers, mountains</li> <li>To study the human geography, including: types of settlement and land use and to understand how human life has developed and impacted on the continent</li> <li>To understand how to use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</li> </ul> </li> </ul>	<ul> <li>South American - Rainforests</li> <li>To understand where rainforest are located and why through physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains,</li> <li>To understand the human impact on rainforests, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water</li> <li>To understand how to use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</li> </ul>	To understand how to use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge  Local Study     Compare hours of sunshine to South America so that children understand the differences between our locality and that of countries in South America. — linked to World Week

RE	Why is charity and generosity
	Why is charity and generosity important to us?
	In each topic we explore and reco

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:

What are your own views and actions concerning charity?

How do we support charities at school? How do you help others?

Key concepts are:

How do charities help people?

Why do charities help people linked to religious beliefs?

Why are charities important to different faiths?

#### A study of the Sikh faith and beliefs

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions: What do you already know about Sikhism?

Which symbols are important in your life? What is your own special place and why? What are your own key values and beliefs?

Key concepts covered are:

How many Gods do Sikhs have?

What are the main Sikh beliefs?

Who founded Sikhism? Explore the meaning of Guru.

How many Gurus do Sikhs have? Why is Guru Nanak Dev Ji important to Sikhs?

Can you retell some parts of Guru Nanak's life story? (Guru Nanak and the cobra, Guru Nanak going to heaven, Guru Nanak and Mardana)

What did Guru Nanak teach people about how to live their lives?

What is Vaisakhi and how is it celebrated? What is the Khalsa and why is it important to Sikhs?

What is the Sikh holy book?

Where and how do Sikhs worship?

Why is langar important in Sikhism?

What is the khanda?

# What difference does it make to believe in Sewa (service), Ahimsa (harmlessness), Grace, and/or Ummah (community)?

In each topic we explore and recognise that each person has the right to their own beliefs, values and traditions. In our topic we reflect this by asking the questions:

What are your own commitments?
Why are they important to you?
How do ideas on non-violence apply in your own life?

How do ideas on helping and serving others apply in your own life?
Key concepts covered are:

How do people practice Ahimsa in their

everyday life's?

Why is Sewa important to people?

Why is Sewa important to people? How would people perform Sewa in everyday life?

Why is Ummah important to Muslims? How does Ummah support people around the world?

Why is Grace important to Christians? How do Christians show Grace to others?

RSE	Beginning of the year – establishing rules and responsibilities School Council representative Science – physical fitness plus walk to school etc. Families and people who care for me – science / PSHE Getting to know bodies – changing hormones, girls and boys, puberty, periods Being safe – girls and boys Being safe – warning zone Benefits of exercise - science	What are the benefits and challenges of being a Sikh in Britain today?  Alcohol / diet unhealthy food Drugs, alcohol and tobacco – science Skellig – mental well being Being safe – fire/police  Enhancement Internet Safety – whole school linked to Internet Safety Day) Relationships Water Safety linked with assembly before Easter holiday when many of our children go abroad	Girls and boys talk – being safe Getting to know your body – babies etc. Skellig – mental well being Being safe – walking home  Enhancement Sun safety – health and prevention Health and prevention – vaccines / immunisations Economics Skern Lodge
	Enhancement Personal safety: Road safety Relationships Being safe – danger walking home Year 6 Swimming		
DT	<ul> <li>Structures – bird's nests</li> <li>Look up nesting habits of local birds</li> <li>Investigate what makes good nesting materials</li> <li>To Investigate the strength of materials and shapes of nests</li> <li>Design, test and improve</li> </ul>		Product – Fairground buzzer game     Investigate range of existing of existing products     understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers or motors     Design, adapt, make and evaluate product for specific client

## Art Children to learn to use the followings skills Drawing -

- Selects appropriate media and techniques to achieve a specific outcome
- Uses a range of materials to produce line, tone and shade

#### **Painting**

- Explores the effect of light and colour, texture and tone on natural and man-made objects
- Uses techniques, colours, tools and effects to represent things seen, remembered or imagined
- Investigates symbols, shapes, form and composition
- Uses different methods, colour and a variety of tools and techniques to express mood

#### Paper mache

- Makes imaginative use of the knowledge they have acquired of tools, techniques and materials to express own ideas and feelings
- Recreates images in 2D and 3D, looking at one area of experience, e.g. recreate a landscape painting, focus on textures

#### Collage

 Can arrange and rearrange colours, spaces and texture for Children to learn to use the followings skills

#### Drawing -

- Selects appropriate media and techniques to achieve a specific outcome
- Uses a range of materials to produce line, tone and shade
- To explore tone using pastel and inks

#### **Painting**

- Explores the effect of light and colour, texture and tone on natural and man-made objects
- Uses techniques, colours, tools and effects to represent things seen, remembered or imagined
- Investigates symbols, shapes, form and composition
- Uses different methods, colour and a variety of tools and techniques to express mood

Pastels, oil pastels

Children to learn to use the followings skills

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#### Clay

- Makes imaginative use of the knowledge they have acquired of tools, techniques and materials to express own ideas and feelings
- Recreates images in 2D and 3D, looking at one area of experience, e.g. recreate a landscape painting, focus on textures

#### **Textiles**

creates fabric hangings

	effect before completion of the final composition  Can produce pieces can express mood.		Collaborative art  • Experiments with approaches used by other artists to crate shared art
Computing	<ul> <li>be able to critical evaluate the fitnes</li> <li>have experience of a range of ICT</li> </ul>	e use of appropriate ICT tools to complete a tools for purpose of work as it progresses equipment and software development and why they have used ICT wills in a range of contexts llaborate with other pupils sent via email	ask
	Most children will:	wost children will:     use a wider range of tools within an art package as necessary     continue to manipulate images using an art package or other software     know when it is appropriate to use an art package and when another medium would be more suitable	Most children will:         use on-screen control software to plan, create and run a more complex set of instructions         use information from a sensor (input) to initiate parts of the control program         plan and create a control system to answer a task

	<ul> <li>continue to use more sophisticate music software to plan, create, evaluate, edit and play their own compositions</li> <li>Use a more complex database to explore patterns and relationships in data eg In a minibeasts database - Is there a relationship between habitat and diet?</li> <li>independently set up and use a datafile to carry out an investigation</li> <li>amend and delete data from records</li> <li>use editing tools to alter the design of a graph</li> <li>organise, refine and present information appropriate to the audience</li> </ul>	<ul> <li>select and use a range of software and hardware tools to produce a presentation or digital film for a specific audience eg present an account of their residential trip to their peers</li> <li>use a more complex search engine to find information on CD ROMs and the Internet</li> <li>check the accuracy of information be aware of privacy and other issues related to using the Internet</li> </ul>	<ul> <li>know when it would be appropriate to use a control system</li> <li>create more complex patterns using repeated simple procedures</li> <li>know when it would be appropriate to use a sensing device eg in a science experiment</li> <li>be able to use a range of sensors as appropriate</li> <li>be able to use formulae and functions in a spreadsheet</li> <li>alter the format of a spreadsheet</li> <li>change data to satisfy 'What if' queries</li> <li>use a spreadsheet to solve simple problems eg the relationship between the perimeter and area of a quadrilateral</li> </ul>
PE	<ul> <li>Use running, jumping, catching and throwing in isolation and in combination</li> <li>Play competitive games, applying basic principles</li> <li>Develop flexibility &amp; control in gym and dance</li> </ul>	<ul> <li>Use running, jumping, catching and throwing in isolation and in combination</li> <li>Play competitive games, applying basic principles</li> <li>Develop flexibility &amp; control in gym</li> </ul>	<ul> <li>Use running, jumping, catching and throwing in isolation and in combination</li> <li>Play competitive games, applying basic principles</li> <li>Develop flexibility &amp; control in dance &amp; athletics</li> <li>Take part in Outdoor &amp; Adventurous activities Compare performances to achieve personal bests</li> </ul>

			<ul> <li>Swimming proficiency at 25m (KS1 or KS2)</li> </ul>
Music	Singing – listen to detail and recall orally To explore pitch and rhythm	Singing To understand how to create, refine and develop own compositions and record them in a meaningful way Rainforest Raps War of the Worlds	Singing To explore the work of famous composers and make judgements about their work. To use their understanding of composer's work to create their own versions
Spanish	Content: Can I name school timetable, subjects.  Talk/write about your day at school.	Content: Can I describe the weather? Listen to a weather forecast	Content: Can I talk about holidays? Children will: • Engage in longer conversations,
	Can I tell the time to the hour?	Dictionary skills:  1) Know the parts of the dictionary	<ul> <li>asking for clarification when necessary.</li> <li>Create their own sentences using knowledge of basic sentence structure.</li> </ul>
	Can I consolidate my knowledge of numbers to 20 (out of order)  Can I count in 10s up to 100?	2) Know what the codes (nf, nm etc) mean 3) Be confident with alphabetical order 4) Find the meanings of new words  Children will apply knowledge of	<ul> <li>Use pronunciation and intonation effectively to accurately express meaning and engage an audience.</li> </ul>
		-Children will apply knowledge of phonemes and spelling to attempt the reading of unfamiliar words.	Recap transport.
			Read a postcard.  Order ice creams and food/drink at a restaurant.
Possible Trips/ visitors	Twycross Zoo – animal evolution workshop and plants and animals from south America – end of term First Aid Warning Zone	Theatre trip	Year 6 trip – Skern