

Curriculum Overview Year 4

Autumn 1							
English			Maths		Science		
Defeating a Monster Recount Teaching Reading: Bill’s New Frock			Number: Place Value Number: Addition and Subtraction		Animals, including humans (William Beaumont)		
Grammar & Punctuation			- count in multiples of 6, 7, 9, 25 and 1000 - find 1000 more or less than a given number - recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) - order and compare numbers beyond 1000 - identify, represent and estimate numbers using different representations - round any number to the nearest 10, 100 or 1000 - solve number and practical problems that involve all of the above and with increasingly large positive numbers - read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value - add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate - estimate and use inverse operations to check answers to a calculation - solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.		- describe the simple functions of the basic parts of the digestive system in humans - identify the different types of teeth in humans and their simple functions - construct and interpret a variety of food chains, identifying producers, predators and prey.		
- grammatical difference between plural and possessive –s - standard English forms for verb inflections instead of local spoken forms - use of paragraphs to organise ideas around a theme. - appropriate use of pronoun or noun within and across sentences to aid cohesion and avoid repetition. - noun phrases expanded by the addition of modifying adjectives, nouns and prepositions							
Spellings							
- words ending /ʒə/ (-sure) - possessive apostrophe with singular proper nouns - further homophones							
History	Art and Design	Music	PE	MFL	Computing	PSHE	RE
Britain’s settlement by Anglo-Saxons and Scots Why did the Anglo-Saxons come to Britain? Where did the Anglo-Saxons come from? What was life like for Anglo-Saxons in Britain? How do we know about the Anglo-Saxons? How did religion influence the Anglo-Saxons?	Drawing Developing drawing techniques by creating a variety of marks to observe natural forms and understand nature’s influence on artists such as Wassily Kandinsky.	Musical structures Children learn that musical sections that repeat or change help create the structure, or form, of a piece of music or a song. How does music bring us together?	Gymnastics Developing flexibility, strength, technique, control and balance. Invasion Games Participating in a variety of games focussing on teamwork, keeping possession, scoring and defending	Je me presente Pupils will have the knowledge and skills to present themselves both orally and in written form in French. Pupils will focus on asking questions as well as starting to create sentences of their own using a range of personal details including name, age, where they live and nationality.	The Internet Connecting networks. What is the internet made of? Sharing information. What is a website? Who owns the web? Can I believe what I read?	Mental Health and Wellbeing Pupils develop their understanding of self-regulation strategies and explore factors that can support wellbeing.	Christianity How does believing Jesus is their saviour inspire Christians to save and serve others?

Autumn 2

Autumn 2							
English			Maths			Science	
Portal Story Instructions Teaching Reading: Bill’s New Frock			Measurement: Length and Parameter Number: Multiplication and Division Consolidation			Electricity (Edith Clarke)	
Grammar & Punctuation			- measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres - Convert between different units of measure [for example, kilometre to metre; hour to minute] - recall multiplication and division facts for multiplication tables up to 12 × 12 - count in multiples of 6, 7, 9, 25 and 1000 - use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers - solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.			- identify common appliances that run on electricity - 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.	
- standard English forms for verb inflections instead of local spoken forms - fronted adverbials - use of paragraphs to organise ideas around a theme. - appropriate use of pronoun or noun within and across sentences to aid cohesion and avoid repetition. - use of inverted commas and other punctuation to indicate direct speech							
Spellings							
- prefixes ‘in-’, ‘il-’, ‘im-’ and ‘ir-’ - words with the /eɪ/ sound spelt ‘ei’, ‘eigh’ or ‘ey’ - words with the /ʃ/ sound spelt ‘ch’ and the /ʌ/ sound spelt ‘ou’ - adding suffixes beginning with vowel letters to words of more than one syllable (‘-ing’, ‘-er’, ‘-en’, ‘-ed’)							
Geography	Design and Technology	Music	PE	MFL	Computing	PSHE	RE
Study of Rivers What are the features of a river? What’s our local river? What features can we see? Where did it come from and where does it flow?	Mechanisms - Using electricity and circuits to make torches Identify the difference between electrical and electronic products. Evaluate a range of existing torches and their features, then develop a new functional torch design.	Exploring feelings when you play Explore how special effects in music can make the words we sing more meaningful. How Does Music Connect Us with Our Past?	Dance Learn patterns and create short dance sequences to music using travel, turn, jump, balance and levels, improving technique and performance. Co-operation Games To be able to work together within various game scenarios to achieve success.	Ma Famille By the end of this unit pupils will have the knowledge and skills to make a presentation about their own / a fictitious family in both spoken and written form in French.	Creating media-audio production Learn how to digitally record and edit sounds and audio to create and evaluate a podcast.	Exploring ways to manage risk Learn how to assess and manage risks in different situations including managing peer pressure.	Islam Why do Muslims call Muhammed the ‘seal of the prophets’?

Spring 1

English		Maths		Science			
Suspense Narrative Information Teaching Reading: The BFG		Number: Multiplication and Division Measurement: Area Number: Fractions		States of Matter (Joseph Priestley)			
Grammar & Punctuation		- recall multiplication and division facts for multiplication tables up to 12 × 12 - use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers - recognise and use factor pairs and commutativity in mental calculations - multiply two-digit and three-digit numbers by a one-digit number using formal written layout - solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. - find the area of rectilinear shapes by counting squares - recognise and show, using diagrams, families of common equivalent fractions - count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. - solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number - add and subtract fractions with the same denominator		- compare and 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.			
- grammatical difference between plural and possessive –s - fronted adverbials - appropriate use of pronoun or noun within and across sentences to aid cohesion and avoid repetition. - use of inverted commas and other punctuation to indicate direct speech - use of commas after fronted adverbials							
Spellings							
- the /g/ sound spelt ‘gu’ - words with endings sounding like /tʃə/ spelt ‘-ture’ - possessive apostrophe with plurals - further homophones							
History	Art and Design	Music	PE	MFL	Computing	PSHE	RE
Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor What was life like for Vikings? When did the Vikings attack Britain? Where did the Vikings invade and settle? Why were the Vikings so feared and successful? What happened to the Vikings in England? Why did the Normans and Vikings both think they had the right to the throne of England?	Printmaking Investigate African prints and develop their designs inspired by this. Improve their knowledge and mastery of different printing techniques including monoprints, pressprints and collographs.	Composing with your friends Learn how the ‘tonic pitch’ or the ‘home note’ makes a melody or a song sound final – like it has been resolved. Practice listening, singing, and playing instruments to explore this important note. How Does Music Improve Our World?	Yoga Develop flexibility, strength, control and balance with a focus on well bring and mindfulness. Chasing and Fleeing games Playing in an area whilst evading or reaching opponents, trapping and sending/reacting to misleading signals.	Au salon de thé Remember and recall a wide variety of foods, snacks, and drinks (with their indefinite article/determiner) typically served in a salon de thé.	Programming A: repetition in shapes Pupils will create programs by planning, modifying, and testing commands to create shapes and patterns. They will use Logo, a text-based programming language.	Forming Respectful Relationships Children learn how to respond appropriately in relationships, how to resolve conflicts and understand the importance of kindness.	Christianity Why do Christians believe they are people on a mission?

Spring 2

Spring 2							
English		Maths		Science			
Warning Story Persuasion Teaching Reading: The BFG		Number: Fractions cont. Number: Decimals Consolidation		Sound (Leonardo Di Vinci)			
Grammar & Punctuation		- recognise and write decimal equivalents of any number of tenths or hundredths - find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths - solve simple measure and money problems involving fractions and decimals to two decimal places. - Convert between different units of measure [for example, kilometre to metre; hour to minute]		- identify how sounds are made, associating some of them with something vibrating - recognise that vibrations from sounds travel through a medium to the ear - find patterns between the pitch of a sound and features of the object that produced it - find patterns between the volume of a sound and the strength of the vibrations that produced it - recognise that sounds get fainter as the distance from the sound source increases.			
- fronted adverbials - use of paragraphs to organise ideas around a theme. - noun phrases expanded by the addition of modifying adjectives, nouns and prepositions - use of inverted commas and other punctuation to indicate direct speech - use of commas after fronted adverbials							
Spellings							
- Prefixes ‘anti-’ and ‘inter-’ - Endings that sound like /ʃən/ spelt ‘-cian’, ‘-sion’, ‘-tion’ and ‘-ssion’							
Geography	Design and Technology	Music	PE	MFL	Computing	PSHE	RE
Latitude and longitude What are lines of latitude? What are lines of longitude? How do lines of latitude and longitude tell us what the location is like? How can you find exact locations around the world? What are time zones and how do they affect us?	Cooking - Adapting a recipe - making biscuits Children will learn to describe the features of biscuits using taste, texture and appearance, follow a recipe with support, use a budget to plan a recipe and adapt a recipe using additional ingredients.	Feelings through music Learn that Music can be loud or quiet, fast or slow, smooth and connected or short and detached. We can also use instruments with different sounds to help communicate different emotions.	Target Games Use throwing and catching to develop their skills with control and balance. Net and Wall Games Learning and practicing skills involved in sports such as tennis, badminton and volleyball.	En classe Pupils will learn the knowledge and skills to present both orally and in written form about what they have and do not have in their pencil cases and/or school bag in French. This is a unit that focuses on recycling previously learnt grammar, using it with new vocabulary and a better understanding of the negative form.	Data Logging Pupils consider how and why data is collected over time. Pupils will consider how computers can use special input devices called sensors to monitor the environment. Pupils will collect data as well as access data captured over long periods of time. They will look at data points, data sets, and logging intervals. Pupils will review and analyse data.	Money Matters Children learn how attitudes and influences impact decisions about money and encourages children to think critically when decision making.	Sikhism How does the teaching of the gurus move Sikhs from dark to light?
Proposed visits: Sutton Hoo							

Summer 1

Summer 1		
English	Maths	Science

Journey Story Discussion Teaching Reading: Bombs and Blackberries		Number: Decimals Measurement: Money Measurement: Time			Living things and their habitats (Maria Merian)		
Grammar & Punctuation		- compare numbers with the same number of decimal places up to two decimal places - round decimals with one decimal place to the nearest whole number - recognise and write decimal equivalents to $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$ - understand the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths - estimate, compare and calculate different measures, including money in pounds and pence - read, write and convert time between analogue and digital 12- and 24-hour clocks - solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.			- Recognise that living things can be grouped in a variety of ways - Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment - Recognise that environments can change and that this can sometimes pose dangers to living things.		
- Use of paragraphs to organise ideas around a theme. - Noun phrases expanded by the addition of modifying adjectives, nouns and prepositions - Use of inverted commas and other punctuation to indicate direct speech - Apostrophes to mark singular and plural possession - use of commas after fronted adverbials							
Spellings							
- words with the /s/ sound spelt ‘sc’ - endings that sound like /ʃən/ spelt ‘sion’ - apostrophes for possession, including singular and plural - further homophones							
History	Art and Design	Music	PE	MFL	Computing	PSHE	RE
Ancient civilisation – Egypt Who were the Ancient Egyptians? What was ancient Egypt like to live in? Who were the ancient Egyptians and where did they live? How did the ancient Egyptians use the River Nile? Gods: what did the ancient Egyptians believe in? Evidence: what do we know about Tutankhamun?	Textiles Develop a knowledge of textiles and the artist Michael Brennand-Wood, including experimenting with dip-dyeing, knotting and wrapping techniques.	Expression and improvisation Children learn that Improvisation is a way to express our feelings. Before using dynamics to make their improvisation more expressive. How Does Music Shape Our Way of Life?	Swimming . Swim competently, over a distance of at least 25 metres, using a range of strokes. Perform safe self-rescue in different water-based situations. Striking and Fielding Games Learning and practicing skills involved in games such as cricket and rounders.	Quel temps fait-il ? Children learn how to describe the weather, temperature and learn the compass points to articulate what the weather is like in different locations.	Creating Media Learners will develop their understanding of how digital images can be changed and edited, and how they can then be resaved and reused. They will consider the impact that editing images can have, and evaluate the effectiveness of their choices.	Me, my body and growing up Children learn the physical and emotional changes experienced during puberty.	Hinduism How does the story of Rama and Sita inspire Hindus to follow their dharma?

Summer 2							
English		Maths		Science			
Fantasy Story Explanation Teaching Reading: Bombs and Blackberries		Statistic Geometry: Properties of Shape Geometry: Positon and Direction Consolidation		Consolidation and revision of previous teaching topics.			
Grammar & Punctuation		- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. - solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. - compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes - identify acute and obtuse angles and compare and order angles up to two right angles by size - identify lines of symmetry in 2-D shapes presented in different orientations - complete a simple symmetric figure with respect to a specific line of symmetry. - describe positions on a 2-D grid as coordinates in the first quadrant - describe movements between positions as translations of a given unit to the left/right and up/down - plot specified points and draw sides to complete a given polygon.		- Recognise that they need light in order to see things and that dark is the absence of light - Notice that light is reflected from surfaces Recognise that light from the sun can be dangerous and that there are ways to protect their eyes - Recognise that shadows are formed when the light from a light source is blocked by an opaque object - Find patterns in the way that the size of shadows change.			
- Standard English forms for verb inflections instead of local spoken forms - Use of paragraphs to organise ideas around a theme. - Noun phrases expanded by the addition of modifying adjectives, nouns and prepositions - Use of inverted commas and other punctuation to indicate direct speech - use of commas after fronted adverbials							
Spellings							
- Suffix ‘-ous’ - Prefixes ‘un-’, ‘dis-’, ‘in-’, ‘re-’, ‘sub-’, ‘inter-’, ‘super-’, ‘anti-’, ‘auto-’ - Suffix ‘-ly’ added to words ending in ‘y’, ‘le’ and ‘ic’							
Geography	Design and Technology	Music	PE	MFL	Computing	PSHE	RE
The water cycle What is the water cycle? How does the water cycle work? What affects the water cycle?	Structures (textiles) – Fastenings Analyse and evaluate a range of existing fastenings, then devise a list of design criteria to design, generate templates and make a fabric book sleeve.	The show must go on! Children create and present a performance! Presenting what has been learnt in the lesson and showing understanding of what the songs are about. How Does Music Connect Us with the Environment?	Swimming Swim competently, over a distance of at least 25 metres, using a range of strokes. Perform safe self-rescue in different water-based situations. Athletics Continuing to build skills in track and field events.	Boucle d’or et les Trois Ours Children use transferable literacy skills to listen to, understand and learn the story of goldilocks and the three bears in French.	Programming B: Repetition in games Learners look at the difference between count-controlled and infinite loops, and use their knowledge to modify existing animations and games using repetition. Their final project is to design and create a game which uses repetition, applying stages of programming design throughout.	Families and growing together Children deepen their understanding of what a family is and who diverse families can be and how families can change and develop over time.	Sikhism How do Sikhs put their beliefs about equality into practice?
Proposed visits: Great Waldingfield Nature Reserve							