



Term	Autumn 1	Autumn 2	Spring 1		Spring 2		Summer 1		Summer 2	
Topic Title	Ancient Greeks		Natural Disasters				Going with the Flow (water, rivers, sailing, bridges)			
English	Pathways to Write Young, Gifted and Black. Race to the frozen North - the Matthew Henson story.	Pathways to Write Beowulf. The Polar Express.	Pathways to Write Kai and the monkey King		Pathways to Write Malalas Magic Pencil		Pathways to Write The brilliant and deep coral reefs		Pathways to Write Bold and brave women from Shakespeare	
Spelling	-Words ending in tious and ious - Words ending in cious -Words ending in cial - Words ending in tial - Challenge words	- Words ending in ant - Words ending in ance and ancy - Words ending in ence and ent - Words ending in ibla and able - Words ending in ibly and ably - Challenge words	- Words ending in able where the e from the root word remains. - Adverbs of time - Suffixes where the base word ends fer - Words with a silent first letter - Silent letters - Challenge words		- Words with ie after c - Words where ie makes an ee sound. - Words where ough makes an or sound - Words containing ough - Adverbs of possibility and frequency - Challenge words		- Words that are homophones or near homophones. - Challenge words		- Words with hyphens - Challenge words - Revision words.	
Mathematics Taught from White Rose	Place Value Read, write, order and compare numbers and determine the value of each digit. Count forwards or backwards in steps of powers of 10. Interpret negative numbers in context, count forwards and backwards with positive and negative whole. Solve number problems and practical problems. Read Roman numerals to 1000 Addition and Subtraction Add and subtract numbers mentally with increasingly large numbers. Add and subtract whole numbers with more than 4 digits, including using formal written methods. Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. Solve addition and subtraction multi-step problems	Multiplication & Division Multiply and divide numbers mentally drawing upon known facts. Multiply and divide whole numbers by 10, 100 and 1000. Identify multiples and factors, including finding all factor pairs. Recognise square and cube numbers Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes. Know and use the vocabulary of prime numbers, prime factors and composite numbers. Fractions Compare and order fractions whose denominators are multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. Add and subtract fractions with the same denominator and denominators that are multiples of the same number.	Multiplication and Division Multiply and divide numbers mentally drawing upon known facts. Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers. Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context. Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign. Fractions Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Read and write decimal numbers as fractions Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.		Number: Decimals and percentages Read, write, order and compare numbers with up to three decimal places. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place. Solve problems involving number up to three decimal places. Recognise the percent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal. Solve problems which require knowing percentage and decimal equivalents of 12, 14, 15, 25, 45 and those fractions with a denominator of a multiple of 10 or 25 Shape: Area and Perimeter Perimeter of rectangles, rectilinear shapes and polygons. Area of rectangles and compound shapes. Statistics Draw, read and interpret line graphs. Read and interpret tables.		Decimals Number: Decimals Solve problems involving number up to three decimal places. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. Use all four operations to solve problems involving measure using decimal notation, including scaling. Geometry Identify 3D shapes, including cubes and other cuboids, from 2D representations. Use the properties of rectangles to deduce related facts and find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Draw given angles, and measure them in degrees (o) Identify: angles at a point and one whole turn (total 360o). Read, plot and problem solve with co-ordinates.		Measurement- converting units Convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml] Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. Solve problems involving converting between units of time. Measures Volume Estimate volume [for example using 1cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water] Use all four operations to solve problems involving measure. Negative Numbers Understand, compare and order negative numbers.	
Science	Forces	Space Global Warming	Properties of martials	Animals including humans	Life Cycles	Reproduction A	Reversible and irreversible changes Plastic Pollution	Reproduction B		
History/Geography	What did the ancient Greeks do that effect our lives today?		What is a natural disaster and how do they affect our planet?				How important is water and how is it used across our planet?		How do rivers work?	
	The Ancient Greeks	The Ancient Greeks	Natural Disasters Look at a wide range of Natural disasters from across the world and investigate how people live with them.		Natural Disasters Look at a wide range of Natural disasters from across the world and investigate how people live with them.		Water Each week look at a 'water word' as starter / plenary - chn to find definition and make links to their learning so far. Investigate how much of the Earth is covered by water. Identify the steps of the water cycle.		Rivers Locate the world's countries, concentrating on their environmental regions, key physical and human characteristics, countries and major cities. Investigate the importance of rivers. Identify the sections of a river.	

					Investigate water usage. Compare the UK to Kenya. Design and make Kenyan water jugs. Links to Sir Thomas Lipton Foundation.	Identify and investigate sea & river pollution and its effect on our planet. Links to Sir Thomas Lipton Foundation.
Physical Education						
Religious Education (links to SMSC)	5.1 PHILOSOPHY – Is believing in God reasonable?	5.2 HUMAN AND SOCIAL SCIENCE – how has belief in Christianity and Islam impacted on music through art and history?		5.3 PHILOSOPHY – Why should we be good? What do the great Philosophers say about the meaning of life?	5.4 – THEOLOGY – What difference does the resurrection make to Christians?	
Art & Design Design & Technology	Design & Technology: Cooking Greek food Designing and making authentic food for an Ancient Egyptian banquet. : To understand and apply the principles of a healthy and varied diet, □ prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques, □ understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. □ evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.	Art & Design: Sculpture Create a Ancient Greek Vase Using paper Mache Consider shape and form and appropriateness of materials for different purposes and effects. □ Describe the different qualities involved in modelling, sculpture and construction. □ Use recycled, natural and man-made materials to create sculpture. □ Plan a sculpture through drawing and other preparatory work.	Design & Technology: Shelters Investigate a range of shelters Investigating ways to join materials. Identify and use appropriate materials to design and make a shelter for a particular purpose. <i>Link to natural disasters</i>	Art & Design: Mixed media collage & textiles –aspects of drawing and 3d form included □ Join fabrics in different ways, including stitching. □ Use different grades and uses of threads and needles. □ Extend their work within a specified technique. □ Use a range of media to create collage. □ Build up layers and colours/textures. □ Organise their work in terms of pattern, repetition, symmetry or random printing styles. □ Choose inks and overlay colours. □ Use recycled, natural and man-made materials to create sculpture. □ Explore the potential properties of the visual elements, line, tone, pattern, texture, colour and shape.	Art & Design: 'Hokusai' Artist Study Develop sketch books to record observations and use them to review ideas. Improve our mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal & paint] Investigate wave shapes; create different effects by blending paint using different equipment.	Design & Technology: Building Bridges Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately design, testing and bridges
Computing	Computer Systems and Networks learners develop their understanding of computer systems and how information is transferred between systems and devices. Learners consider small-scale systems as well as large-scale systems. They explain the input, output, and process aspects of a variety of different real-world systems.	Create Media This unit gives learners the opportunity to learn how to create short videos in groups. As they progress through this unit, they will be exposed to topic-based language and develop the skills of capturing, editing, and manipulating video.	Programming A In this unit, learners will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment.	Data and Information This unit looks at how a flat-file database can be used to organise data in records. Pupils use tools within a database to order and answer questions about data	Creating Media In this unit, learners start to create vector drawings. They learn how to use different drawing tools to help them create images. Learners recognise that images in vector drawings are created using shapes and lines, and each individual element in the drawing is called an object.	Programming B In this unit, pupils develop their knowledge of selection by revisiting how conditions can be used in programs and then learning how the If... Then... Else structure can be used to select different outcomes depending on whether a condition is true or false.

Music	Charanga unit – Fresh Prince of Bel Air Listen to and appraise a range of hip hop songs. Learn how to play the notes of A,D and E. Learn the note values of minims, crotchets and quavers. Music- Ukele (Essex Music Service) Tutor led sessions.		Charanga unit – Glockenspiel 2 Listen to and appraise a variety of songs. Learn how to play the notes of C, D, E, F and G. Learn the note values of semibreves, minims, crotchets and rests. Charanga Unit – Make you feel my love Listen to and appraise a range of pop music, focusing on pop ballads. Learn to play the notes of G, A, B, C and D. Play the note values of crotchets, minims and quavers, with sustained notes.		Charanga unit – Dancing In The Streets Listen to and appraise and variety of 80's pop songs. Learn how to play the notes of D, F, G and A. Learn the note values of semibreves, crotchets, quavers and rests. Charanga Unit – Music and Me This unit of work explores identity and focuses on 4 inspirational women and their influence in the music world. Four British female contemporary artists are featured and interviewed in the unit; all living in the UK, expressing themselves through music and with different cultural backgrounds: Shiva Feshareki: A turntablist and composer of Iranian descent who works with orchestras, Eska Mtungwazi: A London-born singer-songwriter and multi-instrumentalist, known professionally as Eska, Afrodeutsche: A British-born Ghanaian/Russian/German composer, producer and DJ based in Manchester, Anna Meredith: A composer and performer of electronic and acoustic music.	
	Y5 Objectives covered in all Charanga units: Listening and Appraising Listen with concentration to a variety of music from different styles, traditions and times and place the music in its historical context. Recognise / identify different style indicators and different instruments and their sounds. Describe own feelings with confidence and respect others. Continue to use correct musical language. Embedding the dimensions of music Understand that through repeated games and activities, depth of learning occurs and that Pulse, Rhythm & Pitch work together to create a song or piece of music. Demonstrate and understanding of this. Singing Understand that you sing in an ensemble with the aim of producing a round sound, clear diction, control of pitch and some musical understanding of how parts fit together. Sing within an appropriate vocal range with clear diction, mostly accurate tuning, control of breathing and appropriate tone. Have a greater understanding of melody, words and their importance and how to interpret a song musically. Understand the importance of warming up our voices, good posture, breathing and projecting voices. Sing together with confidence, with increasingly difficult melody and words, sometimes in two parts. Playing Use glockenspiels, recorders, band instruments if appropriate, to play melodies, tunes and accompaniments and to improvise and compose. Continue to explore the basics and foundations of formal notation - an introduction. Improvising Create musical improvisations with voices and instruments within the context of the song being learnt. Composing With increasing confidence, create your own melodies within the context of the song that is being learnt. Start to choose, combine and organise patterns and musical ideas within musical structures and do this with understanding. Performing Work together as part of an ensemble / band, adding some direction and ideas. Begin to demonstrate musical quality eg clear starts, ends of pieces / phrases, technical accuracy etc. Play tuned and/or un-tuned instruments with control and rhythmic accuracy and with realised progression. Improvise and play back compositions using more complex patterns confidently as part of a performance. Perform with an understanding of an integrated approach, where performance can include everything that has been undertaken during the learning process of the units.					
Spanish	Language Angels Presenting myself	Language Angels My Family	Language Angels The classroom	Language Angels Have you got a pet?	Language Angels The date	Language Angels What's the weather like?
RSHE	No outsiders - The girls Setting rules and signposting - Friendship Skills - Respect - Respecting myself - Bullying	No outsiders - Mixed - Marriage - Family Life - Stereotypes: Gender	No outsiders - My shadow is Pink - The importance of sleep - Taking responsibility for my feelings - Healthy Meals	No outsiders - The boys. - Friendships - Online friendships and safety - Sun safety - How our decisions influence others	No outsiders - And Tango makes three - Puberty - Menstruation - Breaking the law	No outsiders - Milo imagines the world - Rights and responsibilities - Parliament - Needs over wants - Significance of borrowing and loaning money