



YEAR 6 Curriculum Skills and Theme Map

	AUTUMN		SPRING		SUMMER	
Maths	<p>Number and place value Recognise the place value of each digit in numbers up to 10 000 000. Round any whole number to a required degree of accuracy. Use negative numbers in context and calculate intervals across zero. Addition, Subtraction, Multiplication and Division To practise addition, subtraction, multiplication and division for larger numbers using formal methods. Multiply multi-digit numbers (up to 4 digits) by a two-digit whole number using formal method of long multiplication. Divide numbers up to 4 digits by a two-</p>	<p>Fractions (including decimals and percentages) Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Compare and order fractions, including fractions > 1. Add and subtract fractions with different denominators and mixed numbers, using concept of equivalent fractions. Multiply simple pairs of proper fractions ($\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$). Divide proper fractions by whole numbers ($\frac{1}{3} \div 2 = \frac{1}{6}$). Associate fractions with division and calculate decimal equivalents ($\frac{3}{8} = 0.375$). Ratio and Proportion Solve problems</p>	<p>Number and place value Solve number and practical problems involving numbers up to 10 000 000, rounding of any whole number and the use of negative numbers. Addition, Subtraction, Multiplication and Division Use their knowledge of the order of operations, to carry out calculations involving the four operations. Solve addition and subtraction multistep problems in contexts, deciding which methods to use and why. Solve problems involving addition, subtraction, multiplication and division. Use estimation to check results and determine a degree</p>	<p>Geometry To draw 2D shapes using given dimensions and angles. To recognise, describe and build simple 3D shapes, including making nets. Compare and classify geometric shapes based on their properties and sizes. Find unknown angles in any triangle, quadrilateral or regular polygon. Illustrate and name parts of a circle including radius, diameter and circumference and know that diameter is twice the radius. Recognise that where angles meet at a point, are on a straight line, or are vertically opposite and find missing angles. Geometry - Position and Direction</p>	<p>Fractions including decimals and percentages Express one quantity as a percentage of another (e.g. express £400 as a percentage of £1000); find equivalent percentages, decimals and fractions. Relate fractions to multiplication and division (e.g. $6 \div 2 = \frac{1}{2}$ of $6 = 6 \times \frac{1}{2}$); express a quotient as a fraction or decimal (e.g. $67 \div 5 = 13.4$ or $13\frac{2}{5}$); find fractions and percentages of whole-number quantities (e.g. $\frac{5}{8}$ of 96, 65% of £260). Revise converting between Fractions, decimals and percentages. Revise fractions of shapes and fractions and percentages of quantities. Order fractions, decimals and</p>	<p>Addition, Subtraction, Multiplication and Division Use their knowledge of the order of operations, to carry out calculations involving the four operations. Solve addition and subtraction multistep problems in contexts, deciding which methods to use and why. Solve problems involving addition, subtraction, multiplication and division. Use estimation to check results and determine a degree of accuracy.</p>



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	<p>digit whole number using the formal method of long division, interpret remainders as whole numbers, fractions or rounding.</p> <p>Divide numbers up to 4 digits by a two-digit whole number using formal method of short division, interpreting remainders as appropriate.</p> <p>Perform mental calculations with mixed operations and large numbers.</p> <p>Identify common factors, common multiples and prime numbers.</p>	<p>involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts.</p> <p>Solve problems involving the calculation of percentages and the use of percentages for comparison (e.g. 15% of 360).</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found.</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p>	<p>of accuracy.</p> <p>Fractions (including decimals and percentages)</p> <p>Identify the value of each digit in numbers given to 3dp.</p> <p>Multiply and divide numbers 10, 100 and 1000 giving answers up to 3dp.</p> <p>Multiply one-digit numbers with up to two decimal places by whole numbers.</p> <p>Use written division methods where the answer has up to two decimal places.</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy.</p> <p>Recall and use equivalences between simple fractions, decimals and percentages.</p> <p>Measurement</p> <p>Solve problems involving the calculation and conversion of units</p>	<p>Describe positions on a four quadrant grid. Draw and translate simple shapes on the coordinate plane and reflect them in the axes.</p> <p>Properties of triangles and angles including acute, right angle, obtuse and reflex. Missing angles in triangles and on straight lines.</p> <p>Recognition of 360 degrees in a full turn, 180 degrees in a half turn, 90 degrees in a quarter turn.</p> <p>Understand the difference between scalene, equilateral and isosceles triangles and identify their properties.</p> <p>Use Venn diagrams and Carroll diagrams to classify shapes in terms of their angles and properties.</p> <p>Estimate angles, and use a protractor to measure and draw them, on their own</p>	<p>percentages by converting or cancelling where necessary.</p> <p>Answer multi-step word problems linked to fractions including the use of calculators</p> <p>Ratio and Proportion</p> <p>Revision of Ratio/Proportion and probability. Use SATS based Level 4, Level 5 and Level 6 questions and Testbase questions. Solve word problems for ratio/proportion and probability.</p> <p>Solve simple problems involving direct proportion by scaling quantities up or down.</p> <p>Statistics</p> <p>Revision of mode, median, mean and range. Use Testbase to revise reading and interpreting charts and graphs.</p> <p>Geometry - properties of shapes</p> <p>Revision of properties</p>	
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			<p>of measure, using decimal notation up to 3dp. Use read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit (and vice versa), using decimal notation up to 3dp. Convert between miles and kilometres. Recognise that shapes with the same area can have different perimeters. Recognise when it is appropriate to use formulae for area and volume of shapes. Calculate the area of triangles and parallelograms. Calculate, estimate and compare the volume of cubes and cuboids using standard units,</p>	<p>and in shapes; calculate angles in a triangle or around a point. Statistics Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average. Algebra Use simple formulae Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.</p>	<p>and names of common 2D and 3D shape. Revision of area and perimeter including the area and perimeter of compound shapes. Revision of triangles and angle. Revision of co-ordinates, translation and rotation. Revision of measurement conversions.</p>	
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			including cubic centimetres (cm ³), cubic metres (m ³) and extending to mm ³ and km ³ .			
English	<p>Writing Recount Non-chronological reports Narrative Poetry Texts: Street Child by Berlie Doherty. Spelling, punctuation & grammar (SPaG) Use a wide range of conjunctions to create compound and complex sentences. Use full stops, commas, exclamation marks and question marks to punctuate sentences correctly. Use a wide range of adjectives, adverbs, adverbials and prepositional phrases to add description and elaboration to writing. Apostrophes to indicate possession</p>	<p>Writing Narrative Persuasion Non-Narrative Instructions Texts: Oliver Twist by Charles Dickens. Spelling, punctuation & grammar (SPaG) To recognise subordinate and main clauses. Use semi-colons or dashes. Distinguish between informal and formal vocabulary and sentence structures. Use bullet points and punctuate correctly. Use a range of layout devices. Use colons and semi-colons in punctuating lists. Use cohesive devices. Spelling Words ending in-able and - ible</p>	<p>Writing Explanation Narrative Poetry Discussion Texts: Goodnight Mister Tom by Michelle Magorian. Midsummer Night's Dream by William Shakespeare Spelling, punctuation & grammar (SPaG) Speech-informal (slang, fragmented speech) and formal constructions. Use hyphens to avoid ambiguity. Use passive voice to present information in an objective way. Use expanded noun phrases to convey complicated information concisely. Use colons and semi-colons to separate</p>	<p>Writing Discussion Narrative Recount Revision of all forms of writing. Texts: Goodnight Mister Tom by Michelle Magorian. Spelling, punctuation & grammar (SPaG) Use relative pronouns to create relative clauses (sub-ordination). Use prepositional phrases. Use brackets, dashes and commas to indicate parenthesis. Revision of all grammatical terms. Spelling Words with 'silent' letters. Homophones and other words that are often confused. Use knowledge of</p>	<p>Writing Revision of all forms of writing. Narrative Persuasion Texts: Pig Heart Boy Spelling, punctuation & grammar (SPaG) Revision of all grammatical terms. To accurately use and identify determiners and articles. To use 'I' and 'Me' correctly. To recognise and use antonyms and synonyms. Use the perfect verb forms (past and present). Spelling Revision of spelling patterns. Learn published Y5 & Y6 word list</p>	<p>Writing Discussion Narrative Non-Chronological report Explanation Poetry Texts: Pig Heart Boy Spelling, punctuation & grammar (SPaG) Revisit, revise and practise of using all grammatical terms in preparation for transition. Spelling Spelling of words with prefixes and suffixes Learn published Y5 & Y6 word list</p>



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	<p>and omission. Use a thesaurus with confidence. Use a dictionary to check spellings. Spelling Revise spelling rules from Y5. Endings which are spelt -cious or -tious and exceptions. Words ending in -ant, -ance/-ancy, -ent, -ence/-ency. Learn published Y5 & Y6 word list.</p>	<p>Words ending in -ably and -ibly Endings which are spelt -cial and -tial and exceptions Adding suffixes beginning with vowel letters to words ending in -fer. Learn published Y5 & Y6 word list</p>	<p>main clauses. Spelling Use of the hyphen. Words that are spelt ei after c. Words containing the letter-string ough. Learn published Y5 & Y6 word list.</p>	<p>etymology and morphology in spelling. Learn published Y5 & Y6 word list.</p>		
SCIENCE	<p>Evolution, Inheritance and Adaptation Who was Charles Darwin? Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</p> <p>Living things and their habitats. Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants</p>	<p>Electrical Systems (Circuit games link to DT) Electricity-Michael Faraday and Thomas Edison (Link to light). 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.</p>	<p>To understand that living things produce offspring- Inheritance (Link to SRE) Animals including humans- circulation, exercise, diet, drugs and nutrition (Link to Health and Fitness). 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.</p>			



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	and animals. Give reasons for classifying plants and animals based on specific characteristics.		
Science	Working Scientifically Children: Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary; Measurements, using a range of scientific equipment, with accuracy, taking repeat readings when appropriate; Record data and results of increasing complexity using scientific diagrams, labels, classification keys, tables, scatter graphs, bar and line graphs; Test results to make predictions to set up further comparative and fair tests; Report and present findings from enquires, including conclusions, causal relationships and explanations, trusting my results; Identify scientific evidence that has been used to support or conflict ideas or arguments;		
HISTORY	Victorian period study Industrial revolution Mining Educational Visit: Beamish Skill: Chronological understanding Knowledge and understanding of events, people and changes in the past Historical interpretations Historical enquiry Organisation and communication Comparison of rich and poor	WW2 (Links to Goodnight Mister Tom by Michelle Magorian Literacy) Skill: Chronological understanding Knowledge and understanding of events, people and changes in the past Historical interpretations	Comparison of British History to Central American Civilizations- Focus on achievement of an early civilization: Mayans Skill: Chronological understanding Knowledge and understanding of events, people and changes in the past Historical interpretations Historical enquiry Organisation and communication
GEOGRAPHY	Trade and Economics What do we trade? Who do we trade with? Fair Trade The Global Economy How has trading changed?	Magnificent Mountains Mountain Ranges UK Mountains Features of mountains How mountains are made Mountain Climates Mountain travel	Our Changing World Changing Boundaries Weather and Erosion What does the Future Hold?
ART	Study of Turner, William Morris Painting and Sketching Learning about great architects and designers Skill: Exploring and developing ideas	Drawing techniques Skill: Exploring and developing ideas Evaluating	Study of ancient art and materials Skill: Exploring and developing ideas Evaluating



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	Evaluating		
DT	Victorian diet compared with healthy nutritious food. Skill: Developing, planning and evaluating and modifying.	Model sculpting. Skill: Developing, planning and evaluating and modifying.	Mayan Art Sewing (Link to History) Skill: Developing, planning and evaluating and modifying.
MUSIC	Exploring the work of Edward Elgar (Victorian composer). Composition of piece inspired by Elgar, using dimensions of music. Skill: Composing Performing Evaluating Learn songs linked to Victorian theme.	Investigating basic musical notation. Revise formal musical notation. Compose and perform own written piece for the recorder. Skill: Composing Performing Evaluating	Developing and consolidating recorder skills. Performing - Learn and perform songs for Leavers' assembly. Evaluating
COMPUTING	We are APP planners (planning a mobile application). E-Safety - Ceops Scenarios. Poster Comp Skills: Video editing: Green screen, advanced editing skills	Problem solving: Kodu, programming SATS Revision E-Safety: Fake news, social media	Multimedia Presentations: Presenting to a given audience, choosing software
PE	Invasion games Focus-Tag Rugby and Football Gymnastics Skill: Play competitive games, applying basic principles Develop flexibility and control in gym An awareness of tactics	Dance Invasion Games Focus: Hockey, Basketball and Netball. Net and Wall Games Tennis Skill: Develop flexibility and control in gym & dance Evaluating and improving performance. An awareness of tactics Play competitive games, applying basic principles	Gymnastics Striking and Fielding Focus: Cricket and Rounders. Intra Competition (Link to Health and Fitness Week) Indoor- Variety Athletics Residential Visit: Outdoor and Adventurous activities. Skill: Play competitive games, applying basic principles Develop flexibility and control in gym An awareness of tactics



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RE	<p>Multi-Faith beliefs and practices. Beliefs and questions. Expression of faith through art. What do the gospel stories tell us about the birth of Jesus?</p>	<p>Multi-faith the journey of life (Link to SRE). How far can the death of Jesus Christ be seen as a victory for Christianity?</p>	<p>Christianity and Islam Beliefs and Actions around the world. Christian Faith Week.</p>
PSHE	<p>New Beginnings. Say No to Bullying (Link to Friendship Week). Road Safety Skill: Developing confidence and responsibility and making the most of their abilities Developing a healthy, safer lifestyle Developing good relationships and respecting the differences between people</p>	<p>Getting On and Falling Out. Going for Goals. Skill: Developing confidence and responsibility and making the most of their abilities Developing good relationships and respecting the differences between people</p>	<p>Good To Be Me. Sex and Relationship Education (link to visit from school nurse). Citizenship (link to visit from Police Service). Financial Capability Skill: Developing confidence and responsibility and making the most of their abilities Developing good relationships and respecting the differences between people</p>
LANGUAGE	<p>Weather and occupations. Revision of days of the week/months of the year Aujourd'hui c'est le lundi 10 octobre Weather Il fait froid, il fait chaud, il fait beau, il fait mauvais, il y a du soleil, il y a du vent, il y a du brouillard, il pleut, il neige Seasons En automne, en hiver, au printemps, en été Extension Normalement, en général Saying where you live J'habite à + town, dans le nord, le sud, l'ouest, l'est, de l'Angleterre Recap of verb être from Y4 and Y5: Il est, elle est Occupations vocabulary:</p>	<p>School, uniform and classroom routines. Answering the register Saying the date Describing the weather Asking for classroom objects Following instructions Recap of simple negative from Y4: Je n'ai pas de As-tu...? Recap of clothes vocabulary from lesson 4 + des chaussures, des chaussettes, un sweat Recap of expressing opinions from Y3, Y4, Y5: J'aime, Je n'aime pas Justifying opinions: Je n'aime pas le rouge C'est + adjective Recap of family members from Y4 Recap of structures from Y4 and Y5: Il s'appelle; il a x ans; il est; il habite à</p>	<p>Where I live. Recap of phrases from Y4 and Y5: Il y a; j'habite dans; j'habite à Voici Une maison Un appartement Receptive use of eight rooms of the house Recap of adjectives from Y4: Petit, grand, superbe, magnifique + Immense, de luxe, en haut, en bas</p>



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	<p>Médecin Vendeur vendeuse Serveur serveuse Agent de police Professeur Recap of family members from Y4 and from Y6 Phrases to use when playing games in French: Donne-moi A toi A moi S'il te plaît Merci</p>	<p>Recap of quantifiers from Y3, Y4, Y5: Très, assez Recap of adjectives from Y4: Sympa, intelligent, amusant Sportif/sportive Beau/belle</p>	
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Preparation for Life in Modern Britain

Knowledge and Understanding	Key Elements	Curriculum areas	Activities
Social justice and equality	Fairness between groups Causes and effects of inequality	Geography, PSHE, History, RE, English	World Feast Game World War 2 (linked to Goodnight Mister Tom)
Diversity	Contribution of different cultures, values and beliefs to our lives	RE	Judaism
Globalisation and Interdependence	Trade between countries Fair trade	Geography	World Feast Game, Fair Trade fortnight
Sustainable Development	Relationship between people and environment Awareness of finite resources	Geography, Science	Harvest activities Look at food we import from around the world. Fair Trade Eco Team
Peace and conflict	Causes of conflict Impact of conflict Strategies for tackling conflict and for conflict prevention	English PSHE History	Friendship Week Resolving problems as they arise
Skills			
Critical thinking	Detecting bias, opinion and stereotypes Assessing different viewpoints	English, PSHE, Geography	Refugee Week Challenging stereotypes
Ability to argue effectively	Finding and selecting evidence Beginning to present a reasoned case	PSHE, English, Geography	'Needs and Wants' Game Persuasive writing - constructing points of view
Ability to challenge injustice	Recognising and starting to challenge unfairness	History, geography,	Debate/letter writing/argument/persuasion



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and inequalities		English - debate	World Feast Game
Respect for people and things	Making choices and recognising the consequences of choices	English, PSHE	Citizenship PCSO visit
Co-operation and conflict resolution	Accepting and acting on group decisions Compromising	English, PSHE	Friendship Week- anti-bullying School Council
Values and Attitudes			
Sense of identity and self esteem	Sense of importance of individual worth	PSHE, Citizenship	IMPS cards Friendship Week
Empathy and sense of common humanity	Empathy towards others locally and globally	Geography, PSHE	World Feast game (1) Charity Days (2)
Commitment to social justice and equality	Growing interest in world events Sense of justice	Citizenship	Rules and Laws
Valuing and respecting diversity	Growing respect for difference and diversity	Music	Songs from different cultures
Concern for environment and commitment to sustainable development	Sense of responsibility for the environment and the use of resources	Geography, PSHE, English	School eco-team School Council Monitor jobs
Belief that people can make a difference	Belief that things can be better and that individuals can make a difference	Geography, PSHE	Harvest Red Nose Day/ National fund raising events Rotary Club Christmas boxes Local charity events