





	Maths	English	Science	History & Geography	Art	Design & Technology	Music	PE	RE	SCARF	Computing	French
Autumn Term	<p>Place Value Roman numerals Numbers to 1 million (Y5) or 10 million (Y6) Powers of 10 Partitioning Rounding Negative Numbers (Y6)</p> <p>Four Operations Mental Strategies Addition Subtraction Multiplication (inc. long multiplication for Y6) Division (inc. long division for Y6) Inverse Operations Multi-step problems Missing Numbers Factors & Multiples Squares, Cubes & Primes Multiply and divide by powers of 10 Order of Operations (Y6)</p> <p>Fractions Unit & non-unit fractions Equivalence Mixed numbers & improper fractions Compare & order fractions Addition & subtraction of fractions Multiply & divide fractions (Y6) Fractions of Amounts (Y6)</p> <p>Converting Units (Y6) Metric unit conversion Imperial unit conversion</p>	<p>Narratives based on class novel: 'The Boy at the Back of the Class' British Values + Debating – Refugee crisis Persuasive writing – letter to the home secretary. Book Review</p> <p>Instruction Writing – How to build a raft</p> <p>Non-chronological report – The Solar System</p> <p>Poetry – using imagery to describe autumn</p> <p>Anti-racism - 'show racism the red card' - Using various genres to express opinion</p> <p>SPAG: word classes – nouns, adjectives, verbs, adverbs, prepositions, determiners etc. punctuation rules – revision plus introduction to colon & semi-colon.</p> <p>Guided reading Year 5 - The Iron Man by Ted Hughes Year 6 – 'Holes' by Louis Sachar</p>	<p>Earth and Space Movement of the Earth and other planets in relation to the sun. Movement of the moon. The day and night cycle.</p> <p>Forces Gravity Air & water resistance Friction</p>	<p>Geography - Where in the World? Use maps and atlases, including identifying the equator, tropics & hemispheres. Understand day, night and time zones (links to science topic)</p> <p>Identify human and physical characteristics including environmental regions, climate zones, vegetation belts and biomes.</p> <p>Focus on economic activity including trade links, examining the Suez Canal and River Nile.</p>	<p>Portraits Using mixed media to create portraits.</p>  <p>Propaganda Exploring propaganda in art, inspired by our learning in English and work by Jacob Laurence and David Fodvari</p> 	<p>Textiles: Waistcoats Consider a range of factors as design criteria Use templates to mark and cut out designs Apply an effective running stitch to join fabric Attach fastenings and decorative objects</p> <p>Mechanical systems: Automata toys Mark and cut wooden components Follow safety rules Assemble using an exploded diagram Explore cam profiles and apply to project Measure and cut panels Evaluate project</p>	<p>How does music bring us together? Developing melodic phrases</p> <p>How does music teach us about our community? Exploring notation further</p>	<p>Swimming Swim with greater fluency, improving swimming strokes and learning personal survival techniques.</p> <p>Invasion Games - Handball Develop consistency, accuracy and control and develop and apply defending and attacking tactics.</p> <p>Dance Create a dance, improvising and exploring ideas and using a range of movements.</p> <p>Invasion Games: Netball To develop sport specific techniques including a shoulder pass and develop and apply defending and attacking tactics.</p>	<p>The Bible Deepening understanding of the importance and impact of the contents of the Bible in the lives of Christians. Developing further understanding of the significance of holy books in the lives of the people of all world faiths.</p> <p>Christmas Develop perceptions of Christmas celebrations beyond personal experiences. Deepen understanding of the ways in which Christmas celebrations reveal Christian beliefs. Increase understanding of Christianity as a world faith.</p> <p>Christian Value: Forgiveness</p>	<p>Me & My Relationships How good a friend are you? Relationship cake recipe Being assertive Assertiveness skills Behave yourself Don't force me Acting appropriately</p> <p>Rights & Responsibilities Rights, responsibilities and duties Mo makes a difference Jobs and taxes Action stations! Project pitch Democracy in Britain 1 – elections Democracy in Britain 2 – how laws are made</p>	<p>Flat-File Databases Create paper-based database Create a computer database Use a computer database Apply search tools Compare data visually Understand databases in real life</p> <p>Spreadsheets What is a spreadsheet? Modifying spreadsheets Using formulae Calculating and duplicating Event planning Presenting data</p>	<p>Weather Describe the weather Use compass points to give a weather report</p> <p>I am the musician! Give opinions on musical instruments Sing a song in French</p>

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Spring Term	<p>Fractions, decimals and percentages Place value within 1 to thousandths Round, order & compare decimals Four operations with decimals Fraction, decimal and percentage equivalence Application of knowledge Fractions and percentages of an amount</p> <p>Perimeter & area (Y5) & volume (Y6) (Y5) Perimeter & area of rectangles & compound shapes (Y6) Area of triangles & parallelograms (Y6) Volume</p> <p>Statistics (Y5) Line graphs Dual bar charts Tables (Y6) Pie charts (Y6) The mean</p> <p>Year 6 only Ratio Using ratio language Scale drawings Algebra Function machines 1&2-step equations Problems with 2 unknowns</p> <p>Year 5 only Formal written method of long multiplication and division (inc. remainders)</p>	<p>Writing inspired by Ancient Egypt topic & class novel: 'The Sun King' Letter in role from Howard Carter Newspaper report: Discovery of Tutankhamun Information text: Egyptian engineering & mummification.</p> <p>Descriptive writing – description of a winter setting.</p> <p>Poetry – Imagery poems inspired by James Reeves' 'The Sea is a Hungry Dog'</p> <p>SPAG: develop understanding of word class and use of sophisticated punctuation in independent writing inc. dashes, brackets, hyphens,</p> <p>Guided reading - Year 5 - "Sky Hawk" by Gill Lewis Year 6 – Further work on "Holes" by Louis Sacher</p>	<p>Forces Simple machines & mechanisms, including pulleys, levers and gears.</p> <p>Materials Compare and group materials by property Explain the uses of particular materials Make decisions about materials to use in context</p>	<p>History - Ancient Egypt Early civilisations, inc. The Indus Valley, Ancient Sumer & the Shang Dynasty. Focus on the Ancient Egyptian civilisation</p> <p>Trip to Liverpool World Museum</p>	<p>Batik Applying the Batik printing technique to create African inspired patterns & motifs</p>  <p>Perspective Applying techniques inspired by the Italian renaissance painter Raphael</p>	<p>Structures: Playgrounds Create new designs for playground apparatus Peer-evaluate work Use a variety of materials to construct chosen structures Secure apparatus to a base</p>	<p>"You've got a friend" original unit</p> <p>Music and me! Inspirational women in music</p>	<p>Gymnastics Practise the skills of counter-balance and counter tension. Plan and perform a sequence in a group.</p> <p>Lacrosse Develop previously learnt skills. Explore different grips and develop understanding of the rules of the game.</p> <p>Health related fitness Work on specific areas of fitness and set own circuit challenges.</p> <p>Tri-golf Developing control and accuracy. Create own games to practice skills.</p>	<p>Ascension & Pentecost Delve deeper into the meaning and impact of the Ascension and Pentecost.</p> <p>God Extend and deepen understanding of Christian beliefs about the nature of God, his character, and his relationship with people. Increase understanding that there are similarities and differences in beliefs about God across World faiths. Increase awareness that many people live without any belief in or recognition of the existence of God.</p> <p>Multi-Faith week – Peace Links to Islam, Hinduism, Judaism & Buddhism.</p> <p>Christian Value: Thankfulness</p>	<p>Valuing Difference Respecting differences Tolerance and respect for others Is it true? It could happen to anyone Advertising friendships! Boys will be boys? – challenging gender stereotypes</p> <p>Being My Best Independence and responsibility Star qualities? Basic first aid What's the risk? (1&2)</p>	<p>Selection in physical computing Connecting physical computing devices Combining output components Controlling with conditions Starting with selection Drawing designs Writing and testing algorithms</p> <p>Selection in Quizzes Exploring conditions Selecting outcomes Asking questions Planning a quiz Testing a quiz Evaluating a quiz</p>	<p>Past & Present Use the present tense Compare a place in the past and present</p> <p>Holidays Revision of countries and weather. Learn holiday activities Write about a holiday in French</p>

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Summer Term	<p>Shape Measure & calculate angles Regular & irregular polygons Drawing shapes 3D shapes</p> <p>Position & Direction Coordinates Translation Reflection Symmetry</p> <p>Year 6 only: SATS revision & consolidation Preparation for KS3 Themed projects & problem solving</p> <p>Year 5 Only: Decimals Add & subtract Sequences Multiply & divide by 10, 100, 1000 Negative numbers Count through zero (Ones and multiples) Compare & order Find the difference</p> <p>Converting Units Kilograms/grams Kilometers/meters Liters/milliliters Metric & imperial Units of time</p> <p>Volume Measure volume Compare volume Estimate volume & capacity</p>	<p>Recount – Class residential to Patterdale Hall</p> <p>Letters of thanks – Patterdale Hall Residential</p> <p>Writing inspired by class novel: 'Floodland' Narrative - adventure</p> <p>Explanation Texts – how shadows are formed/how light travels.</p> <p>Information leaflets - safety with electricity.</p> <p>Crime and Punishment – Information text.</p> <p>Short story based on animation: 'Sci-Fi 'Ruin' Film Review.</p> <p>Performance poetry – speaking and listening.</p> <p>Guided Reading Text extracts & non fiction. SATS preparation.</p> <p>GPS sentence grammar – verb tenses, passive and active, main / subordinate / relative clauses. Revision of all word classes</p>	<p>Electricity Voltage & the effect on components in a circuit. Circuit diagrams.</p> <p>Light Recognise that light travels in straight lines. Explain how objects are seen Understand the formation of shadows</p>	<p>Fieldwork Use fieldwork to observe, measure and record human and physical features in local area. 3 day residential to Patterdale Hall to include fieldwork study</p> <p>History - Crime & Punishment Changes in an aspect of social history from the Anglo-Saxons to the present day.</p> <p>Trip to Lancashire Police Museum</p>	<p>Landscape Exploring the work of local landscape artists, Heaton Cooper and Libby Edmondson to create our own landscapes inspired by our trip to Ullswater.</p>  <p>Clay Exploring the work of Henry Moore, creating fluid 3D forms using clay.</p> 	<p>Electrical systems: Steady hand game Identify electrical components required for a given purpose Design a game to specific criteria Make and test a functional circuit Design and create a secure, eye-catching base</p> <p>Digital world: Navigating the world Make plans based on a design brief Code a Micro:Bit to achieve a given purpose Debug code accurately Use CAD software to design an enclosure for a Micro:Bit</p> <p>Food: Come dine with me Find relevant recipes for different courses Read a recipe accurately, noting ingredients and utensils required Follow recipes precisely</p>	<p>Classroom Jazz Improvising</p> <p>Performance End-of-term play performance</p>	<p>Athletics (Full Term) Developing athletic specific skills and performing them with consistency, accuracy, confidence, control and speed.</p> <p>Striking and Fielding Games: Rounders Develop sport specific skills including bowling underarm and striking a bowled ball with increased accuracy and control.</p> <p>Striking and Fielding Games: Cricket Develop sport specific skills including fielding a ball and throwing back overarm, with increased accuracy and control.</p>	<p>Daniel Develop understanding of how Bible stories reveal the nature of God Know about persecuted Christians and the challenges they face</p> <p>'Change the World' Suggest and research answers to 'big questions' Describe what inspires us about the lives and work of people such as Nelson Mandela & Mahatma Ghandi Discuss own views and the views of others.</p> <p>Multi-Faith week – Creation What do people of different faiths believe about creation? Christian Value: Endurance</p>	<p>Keeping Myself Safe Spot bullying Think before you click! To share or not to share? Ella's diary dilemma Decision dilemmas Play, like, share</p> <p>Growing & Changing Media manipulation Pressure online Is this normal? Help! I'm a teenager – get me out of here! "Dear Ash" Stop, start, stereotypes</p> <p>Changes during puberty Transition to secondary (Y6)</p>	<p>Variables in Games Introducing variables Variables in programming Improving a game Designing a game Converting design to code Improving and sharing safely</p> <p>Sensing Introduction to the Micro:Bit Going with the flow Sensing inputs Finding your way Designing a step counter Making a step counter</p>	<p>Health Revise parts of the body Talk about illnesses Introduction of the verbs 'avoir' and 'être'</p> <p>Cafe Revision of ordering in a cafe Transition to KS3 languages</p>