



	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Maths	<p>Read and write, whole numbers; order and compare whole numbers and decimal numbers, Multiplying and dividing by 10, 100, 1000, Rounding whole numbers</p> <p>Mental and formal methods for addition and subtraction, word problems</p> <p>Mental methods and formal methods for multiplication and division, Word problems, Recognising factors and multiples, Using known facts, Prime and composite numbers</p> <p>Maths No Problem</p>	<p>Equivalent fractions; ordering and comparing fractions; relationship between fractions; decimals, percentages; multiplication and division</p> <p>Multiplication and division of decimals</p> <p>Maths No Problem</p>	<p>Measurement – convert between metric units of measure</p> <p>Percentage of amounts</p> <p>Ratio and Proportion - Describe amounts using proportion</p> <p>Maths No Problem</p>	<p>rounding whole numbers</p> <p>Reading and interpreting algebraic equations; solving algebraic equations</p> <p>Measurement – calculate area of a triangle and parallelogram, calculate area and perimeter of rectangular shapes.</p> <p>Geometry – calculate missing angles in triangle, straight line, quadrilaterals and regular polygons.</p> <p>Maths No Problem</p>	<p>Co-ordinates – plot and translate points and shapes across a grid, reflection and lines of symmetry.</p> <p>Interpret pie charts, line graphs and bar charts.</p> <p>Calculate mean.</p> <p>Use negative numbers in context and calculate across zero.</p> <p>Maths No Problem</p>	<p>Calculate volume</p> <p>Describe 3D shapes and make nets</p> <p>Name parts of a circle</p> <p>Draw 2D shapes accurately</p> <p>Co-ordinates – reflection</p> <p>Convert between metric and imperial units</p> <p>Maths No Problem</p>
English	<p>Goldilocks</p> <p>Traditional Tale- alternative ending</p> <p>The True Story of The Three Little Pigs</p> <p>Persuasion letter: Goldilocks</p>	<p>Crater Lake</p> <p>Narrative-dialogue</p> <p>Science of Blood</p> <p>Explanations/ Instructions</p> <p>Poetry</p> <p>Christmas</p>	<p>Persuasion</p> <p>Huggie Bear-pitch selling</p> <p>Alma</p> <p>Narrative-horror story</p>	<p>The Island</p> <p>Narrative</p> <p>The Island</p> <p>Persuasive Letter</p>	<p>Hansel and Gretel</p> <p>Traditional Tale- alternative ending</p> <p>Narrative</p> <p>Setting and character descriptions</p> <p>Jamie Oliver Healthy School Meals</p> <p>Persuasive speech/advert</p>	<p>Our Planet</p> <p>Non-chronological Report</p> <p>Match Girl</p> <p>Dialogue</p>



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Science	Evolution and inheritance Scientist Link – Alice Roberts (biological anthropologist); Charles Darwin and Alfred Wallace (theory of evolution)	Animals, including humans Scientist Link – William Harvey (anatomy and physiology); Elsie Widdowson (dietician / nutritionist during WW1)	Electricity Scientist Link – Michael Faraday (invented the electrical motor)	Light Scientist Link – Ibn al-Haytham (studied vision, optics and light) Sound	Living things and their habitats Scientist Link – Carl Linnaeus (classification)	Living things and their habitats
Computing	Computing systems and networks: Bletchley Park Investigate secret codes and how they are created, exploring ‘brute force’ hacking and learn how to make passwords more secure.	Programming: Intro to Python Introduction to the text-based programming language Python, which is the language behind many apps and programs, such as Dropbox	Data handling 1: Big Data 1 Children learn how data is collected and stored by exploring barcodes, QR codes and RFID chips, and investigate how collecting big data can be used to help people in a variety of different scenarios.	Data handling 2: Big Data 2 Children learn the difference between mobile data and WiFi and how data is transferred and use their understanding of big data to design their own smart school.	Creating media: History of computers Learn about Bletchley Park, including: key historical figures, how the first modern computers were created, how computers have evolved over time.	Skills showcase: Inventing a product Reflecting on and showcasing their computing skills, pupils create an entire project around a specific theme.
RE	What do religions say to us when life gets hard?		What matters most to Christians and to Humanists?	What difference does it make to believe in Ahimsa (harmlessness), Grace and Ummah (community)?	Is it better to express your religion in arts and architecture or in charity and generosity?	What can be done to reduce racism? Can religion help?
History	A study of an aspect or theme in British History that extends pupil’s chronological knowledge beyond 1066 How did the role of women change during the war?	A study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality. Local history study What were the impact of WW2 in Manchester?			A study of an aspect or theme in British History that extends pupil’s chronological knowledge beyond 1066 How has crime and punishment changed over time in Britain?	



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Geography			Locational Knowledge; Place Knowledge; Human and Physical Identify significant physical features and how they relate to climates and biomes in South America	Locational Knowledge; Place Knowledge; Human and Physical Identify current environmental issues related to different countries. Recognise how these impact on the land and inhabitants of different countries.		Location and place knowledge; Fieldwork Understand when a stream become a river. Understand the effects of coastal erosion.
Art and design	Textiles Make a 'Make, Do and Mend' textile bag.	Painting and Drawing Design Art Deco jewellery. Sculpture Make Art deco jewellery using clay.	Drawing and Painting Art work linked to South America - Frida Khalo.	Textiles and Printing Pattern fabric design.	Painting and Drawing Draw and paint a bird of Paradise. Sculpture Create a bird of Paradise. using paper, card, glue, straws.	Sculpture Make a clay fish money bank. Drawing and Painting Using graphite, biros etc to draw patterns linked to multicultural artists.
PSHE	Mental and emotional health	Positive relationships	Keeping Safe	Living in the wider world	Healthy lifestyles	Relationships and health education
Design and technology	Global Goal 12: Responsible consumption and production Theme: Throw away fashion Activity: Design and make a bag using old clothes.		Global Goal 10: Reduced inequalities Theme: Recycling Activity: Design and create a badge or brooch out of reclaimed plastic to support people with disabilities when travelling		Global Goal 2: Zero hunger Cooking Theme: Importance of shopping local Activity: Cook with local produce.	
MFL	Classroom routines Initiate and sustain conversations	Clothes justifying opinions	Occupations Phrases to use when playing games	Rooms in the house Furniture	Holiday destinations Booking accommodation	Revision Presentations



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Music	Combine Ostinato Rhythms Perform as an ensemble Develop an understanding of the origins of samba music Samba Music Heitor Villa Lobos – The little train of the Caipira		Sing in harmony Create a musical motif Improvise using the blues scale Chords and triads George Gershwin – Rhapsody in blue		Body Percussion Create sounds using body percussion Compose and create music using the musical cannon Garageband Work collaboratively with others Anna Meredith – Connect it	
PE	Games: Handball Dance: British Values Gym: Flight	Games: Lacrosse Dance: World War II Gym: Flight (Apparatus)	Games: Dodgeball Dance: Street Dance Gym: Counter Balance and Tension	Games: Netball Dance: Bollywood Gym: Counter Balance and Tension (Apparatus)	Games: Rounders Dance: Haka Gym: Group Sequencing	Games: Tennis Dance: Class Production Gym: Group Sequencing (Apparatus)

Every Child a
Confident Learner