YEAR 5 CURRICULUM OVERVIEW

BRIDGEWATER PRIMARY SCHOOL

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
ENGLISH Core texts	Kensuke's Kingdom **by Michael Morpurgo**	Kensuke's Kingdom **by Michael Morpurgo** The Spider and the Fly **by Mary Howitt**	Holes **by Louis Sachar**	Holes **by Louis Sachar**	Wonder **by RJ Palacio**	Wonder **by RJ Palacio**
Writing genres covered throughout the year	Character Description, Informal Letter, Newspaper Article, Poetry, Setting Description, Narrative, Diary entry, Recount, Discursive Argument					

MATHS
Programme of study (Statutory requirements)- Most children will

Data / Measures	Number, place value, approximation and estimation	Addition and subtraction / Multiplication and division	Geometry-property of shape
Data • interpret and construct pie charts and line graphs and use these to solve problems • calculate and interpret the mean as an average. **Measures** • convert between different units of measure (e.g. kilometre and metre; metre and centimetre; centimetre and millimetre; kilogram and gram; litre and millilitre)	**Number, place value, approximation and estimation** • read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit • count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 • interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero • round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 • solve number problems and practical problems that involve all of the above • read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	**Addition and subtraction** • add and subtract whole numbers with more than 4 digits, including using efficient written methods (columnar addition and subtraction) • add and subtract numbers mentally with increasingly large numbers • 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 in contexts, deciding which operations and methods to use and why. **Multiplication and division** • identify multiples and factors, including finding all factor pairs	**Geometry-property of shape** • identify 3-D shapes, including cubes and cuboids, from 2-D representations • know angles are measured in degrees; estimate and measure them and draw a given angle, writing its size in degrees • identify: multiples of 90° angles at a point on a straight line and ½ a turn (total 180°) angles at a point and one

- understand and use basic equivalences between metric and common imperial units and express them in approximate terms
- measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes
- recognise and estimate volume (e.g. using 1 cm3 blocks to build cubes and cuboids) and capacity (e.g. using water)
- solve problems involving converting between units of time
- solve problems involving addition and subtraction of units of measure (e.g. length, mass, volume, money) using decimal notation.

Fractions

- compare and order fractions whose denominators are all multiples of the same number
- recognise mixed numbers and improper fractions and convert from one form to the other
- add and subtract fractions with the same denominator and related fractions; write mathematical statements >1 as a mixed number (e.g. 2/5 + 4/5 = 6/5 = 11/5)
- multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.

Decimals and fractions

- read and write decimal numbers as fractions (e.g. 0.71 = 71/100)
- 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
- read, write, order and compare numbers with up to three decimal places
- solve problems involving number up to three decimal places.

Decimals, fractions and percentages

- recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator hundred, and as a decimal fraction

- solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors
- know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
- establish whether a number up to 100 is prime and recall prime numbers up to 19
- multiply numbers up to 4 digits by a one- or two-digit number using an efficient written method, including long multiplication for two-digit numbers
- multiply and divide numbers mentally drawing upon known facts
- divide numbers up to 4 digits by a one-digit number using the efficient written method of short division and interpret remainders appropriately for the context
- multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
- solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
- solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

whole turn (total 360º) reflex angles, and compare different angles
- draw shapes using given dimensions and angles
- state and use the properties of a rectangle (including squares) to deduce related facts
- distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Geometry-position, direction, motion

- identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

	• solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those with a denominator of a multiple of 10 or 25.					

YEAR 5						
	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
HISTORY			How can we rediscover the wonders of Ancient Egypt?		How would you have survived Medieval England?	
GEOGRAPHY	What's so special about the USA?			The River Nile (Rivers)		
ART	Drawing	Printing - Art gallery trip	Professional artist visits-Drawing, textiles Use of ICT Painting	Printing - Ancient Egypt Hieroglyphics Sketching	Collage 3D/Textiles	Art Week Extension of skills previously covered linked to art theme.

DT	Use of materials Construction- Moon Buggies	Cooking and nutrition- Christmas fair	Textiles – Ancient Egyptian Headpiece		Use of materials Mechanisms- Medieval torch	Cooking and nutrition-Summer fair
SCIENCE CHALLENGE	Will we ever send another man to the moon?	How different will you be when you are as old as your grandparents?	Could you be the next CSI investigator?	Could you be the next CSI investigator?	Do all plants and animals start life as an egg?	Can you feel the force?
COMPUTING	Coding	Databases	Online Safety Spreadsheets	3D modelling	Concept maps	Game creator
PE	Salford Reds Basketball Year 5KO 1:15-2:05pm Year 5KS 2:05-2:55pm	Salford Reds Dodgeball Year 5KS 1:15-2:05pm Year 5KO 2:05-2:55pm	Salford Reds Handball Year 5KO 1:15-2:05pm Year 5KS 2:05-2:55pm Lacrosse: Thursday Year 5KS 1:15-2:05pm Year 5KO 2:05-2:55pm	Salford Reds Hockey Year 5KS 1:15-2:05pm Year 5KO 2:05-2:55pm	Salford Reds Tennis Year 5KO 1:15-2:05pm Year 5KS 2:05-2:55pm	Salford Reds Tag Rugby Year 5KS 1:15-2:05pm Year 5KO 2:05-2:55pm
MUSIC	RC Pitch Singing Ostinato and rhythm Composition	RC Pitch Singing Ostinato and rhythm Composition	RC Rhythm Work, Drum sticks Singing, Comparing Piano works from different composers	RC Rhythm Work, Drum sticks Singing, Comparing Piano works from different composers	RC Rhythm Work, Drum Sticks on pads Singing, Comparing Piano works from	Charanga-Blackbird Unit

						different Mozart and Debussy	

PSHE	**Being me in my world** -I understand my rights and responsibilities as a British citizen. -I can empathise with people in this country whose lives are different to my own	**Celebrating Difference** -Explore cultural differences and understand the terminology racism. -Explain the differences between direct and indirect types of bullying. -Support children who are being bullied / Encourage those using bullying behaviours to make other choices.	**Dreams and Goals** - Explore dreams and goals of a young person from a different culture. -Reflect how these relate to my own.	**Healthy Me** -Explore eating problems (disorder) which can develop including body image pressures. -Understand health risks related to smoking and consuming alcohol. -Know what to do in emergency situations including the recovery position.	**Relationships** - Explain how to stay safe when using technology to communicate and recognise risks which may arise. -Discuss what having a boyfriend / girlfriend means and exploring the feelings of jealousy.	**Changing Me including SRE** -Understand how a girl/boy's body changes during puberty -Physical and emotional changes occurred during male and female puberty. -Understand that teenage years mean growing responsibilities. Transition to Year 6.
RE	Christianity and non-religious	Christianity/Christmas Hinduism Judaism	Christianity	Christianity	Islam	Christianity Islam Non-religious ideas
MFL	Ourselves (Salford Language Scheme)	Celebrations (Salford Language Scheme)	School (Salford Language Scheme)	Weather (Salford Language Scheme)	Hobbies (Salford Language Scheme)	Holidays (Salford Language Scheme)