

Stone Hill School

Curriculum Plan 2019/20

Mathematics Years 5-6

Intent: Pupils will begin to access the National Curriculum objectives through a mastery approach. In the first half of the year, they will build their knowledge and understanding of place value, calculation and fractions. In the second half, they will use these skills to develop their understanding of time, money, direction and measures. In all of these units, pupils will be taught reasoning and problem solving skills that will be essential in Upper School.

Term	Week/s	Topic/Theme <i>Steam</i>	Learning Outcomes Knowledge and Skills To know, to use, to apply...	Literacy Link Numeracy Link SMSC Link
Autumn	1-2	Place Value	<ul style="list-style-type: none"> • Begin to build confidence with numbers to 100: counting, order and comparing. • Some pupils will extend to partitioning tens and ones. 	
	3-7	Number, Addition and Subtraction	<ul style="list-style-type: none"> • Recognise 'parts' and 'wholes'. • Compose numbers to 20 in different ways, exploring number bonds, partitioning and combining. • Composing multiples of 10 up to 100. 	Literacy – reasoning through spoken language
	8-12	Multiplication and division	<ul style="list-style-type: none"> • Unitising by counting in groups. • Counting in twos, fives and tens. 	SMSC - sharing and groups
	13-14	Properties of Shapes.	<ul style="list-style-type: none"> • Naming common 2D and 3D shapes • Sorting shapes based on their properties. 	Gatsby 4
Spring	1-4	Fractions	<ul style="list-style-type: none"> • Recognising halves in a range of contexts. • Begin to recognise quarters. • Recognising a fraction as being part of a whole. 	SMSC – sharing and groups
	5-8	Time	<ul style="list-style-type: none"> • Read analogue and digital clocks using terms 'o'clock' and 'half past'. • Understand everyday language linked to time including 'before', 'after', 'later', 'morning', 'afternoon', etc. • Know the days of the week. 	Gatsby 4 Literacy – story language and sequencing events.
	9-12	Geometry: Sequences, Position and Direction	<ul style="list-style-type: none"> • Correctly use prepositions such as 'above', 'below', 'opposite' and 'next to'. 	Literacy - prepositions

Summer	1-4	Money	<ul style="list-style-type: none"> • Recognise coins of different values. • Combine smaller coins to make different totals. • Compare amount of money. 	Gatsby 4,6
	5-9	Measures: Length, capacity and mass	<ul style="list-style-type: none"> • Become familiar with measuring equipment and begin to record measurements on a chart. • Compare lengths using everyday language such as 'longer', 'shorter', 'longest and 'shortest'. 	Gatsby 4 Literacy – comparative language.
	10-12	Geometry: Properties of Shapes	<ul style="list-style-type: none"> • Recognise 2D shapes on the faces of 3D objects. • Use shapes in patterns and sequences. • Begin to discuss the properties of 2D and 3D shapes. 	Literacy – adjectives and description.

Intended impact:

Pupils will leave Lower School with a secure understanding of key mathematical concepts and be able to solve simple problems using the reasoning skills that they have developed.



