

Stone Hill School
Curriculum Plan 2019/20
Mathematics in Years 1-4

Intent:
Pupils will develop their understanding of key mathematical ideas that are the foundations for place value and calculations work. These ideas will be secured through short, practical activities that allow for lots of discussions and interactions. Key concepts include:

- Understanding of parts, wholes and partitioning
- Counting accurately
- Contrasting, comparing and combining
- Ordering, sequencing and direction
- Understanding patterns and generalising.

Term	Week/s	Topic/Theme <i>Steam</i>	Learning Outcome/s Knowledge and Skills To know, to use, to apply...	Literacy Link Numeracy Link SMSC Link
Autumn	1-3	Introducing Numicon Shapes	<ul style="list-style-type: none"> • Introducing Numicon Shapes. • Introducing number rods and ordering Numicon Shapes. • Introducing Numicon Shapes and patterns, and ordering number rod trays. 	
	4-5	Numicon and Numerals	<ul style="list-style-type: none"> • Linking Numicon Shapes with numbers and numerals, and comparing number rods. • Securing links between Numerals, Numicon Shapes and patterns, and ordering number rods. 	Literacy – spoken language
	6-7	Teen numbers	<ul style="list-style-type: none"> • Finding how many by grouping, and teen numbers. • Using Numicon Shape patterns and teen numbers. 	
	8-12	Exploring shape and colour	<ul style="list-style-type: none"> • Naming common 2D shapes. • Sorting objects by shape, colour and size. • Making sequences with colours and shapes. 	Literacy – spoken language SMSC – same and different
Spring	1-3	Adding and taking away	<ul style="list-style-type: none"> • Adding with Numicon shapes. • Adding one more. • Taking away with Numicon Shapes. • Subtracting one and adding one with number rods. 	
	4-6	Halving and sharing	<ul style="list-style-type: none"> • Representing halves in a variety of contexts. • Sharing equally. 	SMSC – sharing, social contexts.
	7-8	Understanding parts and wholes	<ul style="list-style-type: none"> • Adding - parts and wholes. • Subtracting - parts and wholes. 	
	9-12	Exploring measures	<ul style="list-style-type: none"> • Exploring capacity, mass and length. • Comparing measures (bigger, smaller, heavier, lighter). 	Literacy - spoken language. Gatsby 4
Summer	1-4	Exploring number lines	<ul style="list-style-type: none"> • Connecting adding, subtracting and number lines. • Subtracting - finding the difference. • How many more, how many fewer, how much less. 	
	5-7	Halving and doubling	<ul style="list-style-type: none"> • Halving and doubling small numbers in a range of contexts. 	SMSC – sharing, social contexts.

	8-10	Sequences.	<ul style="list-style-type: none">• Exploring adding and subtracting within sequences.• Describing and extending patterns and sequences.	Literacy - spoken language.
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Intended impact:

Pupils will develop their fluency and reasoning skills so they can fully access the National Curriculum objectives covered in later years. They will be able to work cooperatively with other pupils in practical activities and will understand how to use a range of models and images appropriately.



