

Stone Hill School

Curriculum Plan 2020/21

Mathematics Year 11 (Entry Level)

Intent:
Key Stage 4 Mathematics focuses on preparing pupils for using Mathematics in everyday life, including the workplace. Pupils will work towards meaningful, nationally recognised qualifications; OCR Mathematics (Entry Level) and Functional Skills (which is equivalent to a GCSE grade). In Year 11, the teaching will focus on areas for development highlighted in Year 10 so that pupils can achieve the best possible outcome in their assessments.

Term	Week/s	Topic/Theme <i>Key vocabulary including Tier 3 subject specific words</i>	Learning Outcomes Knowledge and Skills To know, to use, to apply...	Links to: Literacy, Numeracy, SMSC, Gatsby Benchmarks
Autumn	1-3	Place value, addition and subtraction. Digit, numeral, total, value, equal, calculation, sum, difference, share, total, twice, triple.	<ul style="list-style-type: none"> Write, order and compare whole numbers up to 1000. Know the value of each digit in a 3-digit number. Understand vocabulary associated with numerical calculations: sum, difference, share, total, twice, triple. Add and subtract whole numbers from an initial value no greater than 1000. 	Literacy Take part in discussions, talk or write about pictures, answer questions
	4-6	Fractions, decimals and percentages. Decimal point, decimal place, halves, quarters, thirds, quarters, fifths, tenths, equivalent, denominator, numerator	<ul style="list-style-type: none"> Add and subtract decimals in context, i.e. money, mensuration, etc. Recognise equivalent fractions including fractional quantities greater than 1 Calculate thirds, quarters, fifths and tenths of quantities where the answer is an integer. Use fractions in context. Order decimals and fractions. Recognise equivalent fraction, decimal and percentage notation. Understand that 1% is equivalent to dividing by 100. Find 1%, 25%, 50% for three digit numbers, limited to results which are whole number answers. 	SMSC Offer reasoned views, Enjoy learning about the world around them. Gatsby Benchmark 4
	7	Multiples Multiple, multiply, divide, counting, equal, pairs, factor, product, inverse, equation, calculate, divisible	<ul style="list-style-type: none"> Know and use multiplication of numbers up to 10 by 3, 4, 5 and 10. Recognise when a two-digit number is divisible by 2, 3, 4, 5 and 10. 	SMSC Offer reasoned views
	8-12	Revision and Assessment	<ul style="list-style-type: none"> Pupils will revisit some of the Year 10 learning (to be selected by the teacher). Pupils will sit two assessment papers for the OCR Entry Level qualification. 	Literacy Answer questions
Spring	1-4	Practical Task	<ul style="list-style-type: none"> Pupils will complete a practical task for their OCR Entry Level qualification. They will organise a visit to the cinema using public transport. 	Literacy Ask questions, answer questions, research Gatsby Benchmarks 2,3,4 and 5
	5-11	OCR units of work	<ul style="list-style-type: none"> Pupils will revisit some of the units of work listed in the Year 10 planning (as chosen by the teacher). 	
	12	Assessment opportunity	<ul style="list-style-type: none"> Pupils will have an opportunity to re-sit any of the OCR assessment papers (if appropriate). 	Literacy Answer questions.
Summer	1-4	Units of Measure – Money Coin, note, bank card, cash, total, add, change, more, less, customer, increase, decrease, combine, decimal point.	<ul style="list-style-type: none"> Use £ and p notation. Select coins equivalent to an amount of money up to £5. Order a collection of coins and notes. Give change from £5. 	Literacy Role play SMSC Enjoy learning about the world around them, Cooperate with others, Offer reasoned views. Gatsby Benchmarks 3 and 4
	5-8	Units of Measure – Time Clock face, hands, hour, minute, second, analogue, digital, am, pm, 24-hour display, 12-hour display, leap year, convert.	<ul style="list-style-type: none"> Find start or end times for a planned time period. Calculate the duration given the start and end times. Understand and use am/pm method of stating time. Read and write time for digital and analogue clocks (in hours and in fifteen minute intervals). Use a calendar to solve problems. 	Literacy Role play SMSC Cooperate with others, understand consequences, Enjoy learning about the world around them. Gatsby Benchmarks 3 and 4

Intended impact:
Pupils will leave Stone Hill School with qualifications that will help them to access Mathematics at a Post 16 provision. In addition, the course will have helped them to develop as reflective learners who can refine their responses, and as independent enquirers who approach new problems with confidence.