

Stone Hill School

Long Term Curriculum Plan

Mathematics Functional Skills Y9

Subject Intent

Our Mathematics curriculum aims to ensure that all pupils become confident mathematicians, who can solve real life problems and reach their full potential in qualification work. The curriculum is based on the Maths Mastery principles. Pupils are encouraged to build their fluency by securing their knowledge of mathematical facts and models, and then use this understanding to solve a wide range of problems. Mathematics skills are further embedded through the foundation subject curriculums, and the leaders of these subjects contribute to the assessment of pupils in areas such as measures, money and statistics. We also plan multiple opportunities for our pupils to use mathematics in real world situations, through for example, role play, enterprise projects and visits out of school.

Year Group	9	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 and British Values Gatsby Benchmarks Learning Behaviours/Skills Builder
Term					
Autumn	1-6	Units of Measure – Money Coins, notes, change, total, receipt, shopkeeper, shopper, customer, server, till, shopping, groceries, restaurant, café	<ul style="list-style-type: none"> • Use £ and p notation. • Select coins equivalent to an amount of money up to £1. • Give change from £1. 	SMSC and British Values Socialise with other pupils and other people, Co-operate with others, Enjoy learning about the world around them. (Tolerance and Mutual Respect) Literacy Role play Skills Builder Staying positive, teamwork, leadership	
	7-12	Managing Money Challenge: Milkshakes Budget, cost, profit, price, change, popular, millilitres, litres, capacity, measurement.	<ul style="list-style-type: none"> • Count money • Give change • Use capacity to solve problems. • Create a milkshake stall, advertising prices and products. 	Gatsby Benchmarks 4 and 6 Literacy Write for a purpose, present work, correct own work. Skills Builder Problem solving, teamwork, leadership Careers	

				<p>Recognise when you are using qualities and skills that entrepreneurs demonstrate</p> <p>Careers</p> <p>Explain how you are benefitting as a learner from careers, employability and enterprise activities and experiences</p>
Spring	1-6	<p>Units of Measure – Time</p> <p>Duration, stopwatch, estimate, measure, day, week, month, year, calendar, daily, leap year.</p>	<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. • Use a calendar to solve problems. • Know key time facts (including number of hours in a day, days in each month). 	<p>Gatsby Benchmarks 3 and 4</p> <p>Skills Builder</p> <p>Staying positive, problem solving</p>

	7-12	<p>Transport challenge</p> <p>Departure, arrival, delay, platform, timetable, service, conductor, ticket, driver, pass, fare, discount, route.</p>	<ul style="list-style-type: none"> • Use timetables for bus and train. • Plan routes to shops • Read time from digital and analogue clocks • Review and recount visit. 	<p>Gatsby Benchmark 4</p> <p>Literacy Summarise, write independently.</p> <p>Skills Builder Staying positive, teamwork, problem solving.</p> <p>Careers Show that you can manage your own budget and contribute to household and school budgets</p>
Summer	1-6	<p>Allotment challenge</p> <p>Estimate, measure, weight, mass, height, length, area, perimeter, centimetres, metres, grams, kilograms.</p>	<ul style="list-style-type: none"> • Take measurements. • Record measurements. • Make estimations. • Compare measurements. 	<p>Gatsby Benchmark 6</p> <p>SMSC and British Values Cooperate with others, Volunteer, Contribute positively to life in modern Britain (Individual Liberty and Rule of Law)</p> <p>Skills Builder Teamwork, leadership</p> <p>Careers Know how to identify and systematically explore the options open to you at a decision point</p>

	7-11	<p>Statistics Bar chart, frequency, tally chart, total, calculate, interpret, find, pictogram, scale, icon, value, difference, survey, category.</p>	<ul style="list-style-type: none"> • Carry out surveys (linked to shops/restaurants in Doncaster or careers) • Create pictograms and bar charts • Sort data on Venn diagrams. 	<p>Gatsby Benchmark 2 Literacy Ask questions, summarise, research, speak coherently, use punctuation.</p> <p>Skills Builder Speaking, listening, problem solving.</p> <p>Careers Know how to make plans and decisions carefully including negotiating with those who can help you get the qualifications, skills and experience you need</p>
<p>Intended impact: Pupils will have a broader understanding of how Mathematics is used in everyday activities, such as shopping and using public transport. In addition, by working together to organise events and visits out of school, pupils will have developed teamwork, leadership and problem solving skills.</p>				

