

Stone Hill School

Long Term Curriculum Plan

Mathematics Functional Skills Y8

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	8	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, cooperate with others, enjoy learning about the world around them (Tolerance) Literacy Role play Skills Builder Staying positive, teamwork, leadership

	7-12	<p>Train and bus challenge</p> <p>Departure, arrival, delay, platform, waiting room, timetable, service, conductor, ticket, driver, pass, fare.</p>	<ul style="list-style-type: none"> • Use a timetable with support • Apply money work to budgeting for a snack. • Create a review of key skills used 	<p>Gatsby Benchmark 4 Literacy Summarise, write independently.</p> <p>Skills Builder Staying positive, problem solving</p> <p>Careers Explain how you are benefitting as a learner from careers, employability and enterprise activities and experiences</p>
Spring	1-8	<p>Financial Understanding</p>	<ul style="list-style-type: none"> • Understand the difference between 'wants' and 'needs'. • Recognise the benefits of having a bank account. • Recognise the benefits of saving money. • Know a range of banks in Doncaster and the services that they offer. • Know strategies for keeping money safe and strategies for safe spending. • Recognise the importance of budgeting and to participate in budgeting activities. • Understand the meaning of 'debt' and recognise some of the associated risks. 	<p>SMSC Knowledge of different socio-economic groups in the local community, Enjoy learning about the word around them.</p> <p>Literacy Research, ask questions, comprehend.</p> <p>Skills Builder Staying positive, Problem solving</p> <p>Careers Give examples of different business organisational structures</p>

<p>Spring</p>	<p>9-12</p>	<p>Doncaster Market</p> <p>Town centre, market stall, produce, fishmonger, butcher, bakery, greengrocer, Interchange</p>	<ul style="list-style-type: none"> • Use a public transport timetable • Make a purchase at a café • Make a purchase at a market stall • Collect information about market stalls in Doncaster Market. • Create a healthy meal using produce bought. 	<p>Gatsby Benchmarks 5 and 6 SMSC and British Values Socialise with other pupils and other people, Co-operate with others, Knowledge of different socio-economic groups in the local community, Enjoy learning about the world around them. (Tolerance and Mutual Respect)</p> <p>Literacy Research, ask questions, comprehend.</p> <p>Skills Builder Staying positive, problem solving</p> <p>Careers Give examples of different kinds of work and why people's satisfaction with their working lives can change Recognise when you are using qualities and skills that entrepreneurs demonstrate</p>
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Summer	1-6	Units of Measure – Time Spring, Summer, Autumn, Winter, seasonal, duration, stopwatch, estimate, measure, morning, afternoon, evening, day, week, month, year, calendar.	<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 the months of the year and the seasons they relate to. 	Gatsby Benchmarks 3 Literacy Develop vocabulary. Skills Builder Staying positive, problem
	7-11	Statistics Bar chart, frequency, tally chart, total, calculate, find, pictogram, scale, icon, value, difference, survey.	<ul style="list-style-type: none"> • Carry out surveys (linked to own interests) • Create pictograms and bar charts 	Literacy Ask questions, speak coherently, use punctuation. Skills Builder Problem solving, speaking, listening.
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.				