

Stone Hill School
Curriculum Plan 2020/21

Mathematics Functional Skills Year 8

Intent: In Year 8, pupils develop and apply their understanding of money, time and statistics in a variety of real life contexts.

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	1-5	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 Socialise with other pupils and other people, Cooperate with others, Enjoy learning about the world around them Literacy Role play
	5-8	Managing Money: Raising money for charity. Budget, cost, profit, price, charity, helping, impact, popular, expensive, cheap, product, design	<ul style="list-style-type: none"> Create a shopping list that matches a budget Begin to understand costs and profits. Handle money and give change. Research charities Design a product. 	Gatsby Benchmarks 4 and 6 Literacy Write for a purpose, present work, correct own work.
	9-12	Train and bus challenge Departure, arrival, delay, platform, waiting room, timetable, service, conductor, ticket, driver, pass, fare.	<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 	Gatsby Benchmark 4 Literacy Summarise, write independently.
Spring	1-6	Doncaster Market Town centre, market stall, produce, fishmonger, butcher, bakery, greengrocer, Interchange	<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. 	Gatsby Benchmarks 5 and 6 SMSC Socialise with other pupils and other people, Cooperate with others, Knowledge of different socio-economic groups in the local community, Enjoy learning about the world around them. Literacy Research, ask questions, comprehend.
	7-12	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 and 4 Literacy Develop vocabulary.
Summer	1-6	Teddy Bears' Picnic Budget, bulk buy, portion, divide, sharing, grouping, total, cost, half, quarter, third, equal, remainder.	<ul style="list-style-type: none"> Use calendar and understanding of time intervals to plan a morning picnic for lower school. Find the cost of shopping using addition and multiplication. Follow a budget. Use division and fractions to solve sharing and grouping problems. 	Gatsby Benchmark 6 SMSC Socialise with other pupils and other people, Cooperate with others, Volunteer, Reflect on own success Literacy Write for a purpose, plan, draft, edit

	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, summarise, research, speak coherently, use punctuation.
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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 as independent enquirers, team workers and self-managers.

