

**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	1-6	<b>Units of Measure – Money</b>  Coins, notes, change, total, receipt, shopkeeper, shopper, customer, server, till, shopping, groceries, restaurant, café	<ul style="list-style-type: none"> <li>Use £ and p notation.</li> <li>Select coins equivalent to an amount of money up to £1.</li> <li>Give change from £1.</li> </ul>	<b>SMSC</b> Socialise with other pupils and other people, Cooperate with others, Enjoy learning about the world around them. <b>Literacy</b> Role play
	7-12	<b>Managing Money Challenge: Milkshakes</b>  Budget, cost, profit, price, change, popular, millilitres, litres, capacity, measurement.	<ul style="list-style-type: none"> <li>Count money</li> <li>Give change</li> <li>Use capacity to solve problems.</li> <li>Create a milkshake stall, advertising prices and products.</li> </ul>	<b>Gatsby Benchmarks 4 and 6</b> <b>Literacy</b> Write for a purpose, present work, correct own work.
Spring	1-6	<b>Units of Measure – Time</b>  Duration, stopwatch, estimate, measure, day, week, month, year, calendar, daily, leap year.	<ul style="list-style-type: none"> <li>Find start or end times for a planned time period. Calculate the duration given the start and end times.</li> <li>Understand and use am/pm method of stating time.</li> <li>Use a calendar to solve problems.</li> <li>Know key time facts (including number of hours in a day, days in each month).</li> </ul>	<b>Gatsby Benchmarks 3 and 4</b>
	7-12	<b>Transport challenge</b>  Departure, arrival, delay, platform, timetable, service, conductor, ticket, driver, pass, fare, discount, route.	<ul style="list-style-type: none"> <li>Use timetables for bus and train.</li> <li>Plan routes to shops</li> <li>Read time from digital and analogue clocks</li> <li>Review and recount visit.</li> </ul>	<b>Gatsby Benchmark 4</b> <b>Literacy</b> Summarise, write independently.
Summer	1-6	<b>Allotment challenge</b>  Estimate, measure, weight, mass, height, length, area, perimeter, centimetres, metres, grams, kilograms.	<ul style="list-style-type: none"> <li>Take measurements.</li> <li>Record measurements.</li> <li>Make estimations.</li> <li>Compare measurements.</li> </ul>	<b>Gatsby Benchmark 6</b> <b>SMSC</b> Cooperate with others, Volunteer, Contribute positively to life in modern Britain
	7-11	<b>Statistics</b>  Bar chart, frequency, tally chart, total, calculate, interpret, find, pictogram, scale, icon, value, difference, survey, category.	<ul style="list-style-type: none"> <li>Carry out surveys (linked to shops/restaurants in Doncaster)</li> <li>Create pictograms and bar charts</li> <li>Sort data on Venn diagrams.</li> </ul>	<b>Gatsby Benchmark 2</b> <b>Literacy</b> Ask questions, summarise, research, speak coherently, use punctuation.

**Intended impact:**

Pupils will be well prepared for their KS4 qualifications work and have a broader understanding of Mathematics in the real world. In addition, their practical challenges will provide them with opportunities for them to develop as independent enquirers, team workers and self-managers.