

6.2- 6.3 - EXPLORER Curriculum –Long Term Plan

Students working at GCSE grade 1 and above.
 Problem solving strategies.
 Linked to Gatsby Benchmarks.
 Sustainable and meaningful links to real life.
 Embed 3/5 marks questions and strategies to use.

Year	2023 – 2024 Autumn 1	2023 – 2024 Autumn 2	2023 – 2024 Spring 1	2023 – 2024 Spring 2	2023 – 2024 Summer 1	2023 – 2024 Summer 2
	<p>Topic: Calculation addition and subtraction. Fractions and decimals and percentages. Measure and accuracy-Time GCSE Revision. (Teacher to select appropriate topic to meet the needs of the cohort)</p> <p>Suggested Key Questions Reinforce and apply your understanding to GCSE questions involving addition and subtraction?</p> <p>Key Skills and Knowledge:</p>	<p>Topic: Calculations/ multiplication and division. Measure and accuracy-Money Working in 2d/3d. GCSE Revision (Teacher to select appropriate topic to meet the needs of the cohort)</p> <p>Multiplication of two digit numbers use grid method. Division use bus stop method.</p> <p>Suggested Key Questions: Can you tackle multiplication and division word</p>	<p>Topic: Algebra Data and statistics Measure and accuracy-weight/capacity/volume. GCSE Revision (Teacher to select appropriate topic to meet the needs of the cohort)</p> <p>Suggested Key Questions: Reinforce and apply your understanding to GCSE questions involving statistics? Key Skills and Knowledge: solve problems involving algebra</p>	<p>Topic: Number Ratio/Probability/Sequence GCSE Revision (Teacher to select appropriate topic to meet the needs of the cohort)</p> <p>Suggested Key Questions: Promote core facts Can you tackle a word problem based on the topic. Can you apply your understanding to GCSE sequence/ratio and proportion questions? Can you complete calculation with independence? Key Skills and Knowledge: Use ratio notation,</p>	<p>Topic: Calculation Fractions and decimals and percentages. Measure and accuracy.</p> <p>Suggested Key Questions: Promote core facts Can you tackle a word problem involving fractions, percentages and decimals. Can you write fraction? Can you find equivalent fractions?</p> <p>Can you simplify fractions?</p> <p>Key Skills and Knowledge: Have greater confidence with</p>	<p>Topic: Angles and polygons Working in 2d/3d Measure and accuracy.</p> <p>Suggested Key Questions: Promote core facts Can you tackle a word problem involving angles and polygons? Key Skills and Knowledge: Work with shape, positional vocabulary and space</p>

	<p>Add and subtract whole numbers and decimals Understand vocabulary associated with numerical calculations such as sum, difference, share, total, twice, triple.</p> <p>work with fractions work with decimals percentages Know about numerical relationships</p>	<p>problems problems Reinforce word problems based on the topic? Can you apply your understanding to a range of GCSE questions?</p> <p>Promote core facts <u>Key Skills and Knowledge:</u></p> <p>Work with numbers Recall multiplication facts up to 10x10 and make connections with division facts Calculate with sums of money.</p>		<p>including reduction to simplest form</p> <p>Use ratio notation, including reduction to simplest form</p> <p>work with ratios.</p> <p>Have great confidence with the four applications of maths.</p>	<p>working with fractions/decimals/percentages</p>	
<p>Links to Gatsby Benchmarks:</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>