

Curriculum intent (overview) – To deepen students’ skills and knowledge through a broad and balanced curriculum which prepares students for adulthood.

10V Class - **Venture Curriculum** - 3 hours per work. *Flexibility with topic delivery.*

Core mathematical facts, concepts, methods and strategies to be able to experience success when problem-solving.

Promote word problems to solve GCSE (1/ mark questions).

Mixture of Entry Level and potential GCSE ability.

Apply understanding to a range of topics.

7-10 Ks3 Build on prior knowledge.

Develop fluency

Reason mathematically

Solve problems

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:</p> <p>Place value</p> <p>Calculation. Addition and subtraction.</p> <p>Suggested Key Questions: What do you already know about...</p>	<p>Topic:</p> <p>Shape.</p> <p>Money</p> <p>Suggested Key Questions: What do you already know about? Can you understand properties of 2d/3d shapes? Can you use a</p>	<p>Topic:</p> <p>Multiplication</p> <p>Division.</p> <p>Time.</p> <p>Suggested Key Questions: Can you solve problems involving</p>	<p>Topic:</p> <p>Measurement (length and height)</p> <p>Mass capacity and temperature.</p> <p>Suggested Key Questions: What do you already know about... Can you fluently use ?</p>	<p>Topic:</p> <p>Calculation. Addition and subtraction.</p> <p>Fractions, decimals, and percentages.</p> <p>Suggested Key Questions: What do you already know about...</p>	<p>Topic:</p> <p>Statistics</p> <p>Position and direction.</p> <p>Suggested Key Questions: What do you already know about. Are you able to use correct tally notation.</p>

	<p>Do you know place value to 6 digits? Start and use aspects of Bidmas in multi stage calculations?</p> <p>Students develop a fluency within topics.</p> <p>Key Skills and Knowledge:</p> <p>Place value awareness.</p> <p>Addition and subtraction skills</p>	<p>protractor? Can you Develop fluency in currency. Reason mathematically Solve problems involving shapes.</p> <p>Key Skills and Knowledge:</p> <p>2d/3d properties understanding.</p> <p>Understand different currencies/coins in circulations in the UK.</p>	<p>different multiplication Are you able to halve a number?</p> <p>Can you tell the time?</p> <p>Can you Develop fluency in the topic Can you reason mathematically and solve problems involving multiplication. Can you Develop fluency Reason mathematically Solve problems involving division.</p> <p>Key Skills and Knowledge:</p> <p>Multiplication facts Division facts.</p>	<p>Can you Develop fluency Reason mathematically Solve problems involving algebra. Can you Develop fluency Reason mathematically Solve problems involving number.</p> <p>Can you Develop fluency Reason mathematically Solve problems involving mm, cm.metres.. Can you Develop fluency Reason mathematically Solve problems involving addition and subtraction.</p> <p>Key Skills and Knowledge:</p> <p>How to use measurement instruments. How to measure with accuracy.</p>	<p>Can you round to nearest 10/100/1000. Can you multiple and divide by 10/100 and 1000? Can you use a scientific calculator? Can you add and subtract fractions? Can you switch between fractions/decimals and percentages? Work out the perimeter? Work out the area? -rectangle. -triangle -parallelogram.</p> <p>Key Skills and Knowledge:</p> <p>Understand $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$ of amounts, shapes and quantities.</p>	<p>Can you use the correct language with position. Can you reflect a shape on a mirror line? Can you rotate a shape about a point?</p> <p>Key Skills and Knowledge:</p> <p>.Interpret table facts. Extract information from a table. Complete a tally chart.</p>
<p>Links to Gatsby Benchmarks:</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills at that students are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills at that students are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills at that students are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills at that students are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills at that students are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills at that students are learning.</p>

	<u>Benchmark 4.</u> STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	<u>Benchmark 4.</u> STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	<u>Benchmark 4.</u> STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	<u>Benchmark 4.</u> STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	<u>Benchmark 4.</u> STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	<u>Benchmark 4.</u> STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.
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