

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.

Mixture of Entry Level and potential GCSE ability.

Apply understanding to a range of topics.

7-10 Ks3 Build on prior knowledge.

Encourage learners to:

- Develop fluent knowledge, skills and understanding of fundamental mathematical methods and concepts
- Acquire, select and apply mathematical techniques to solve problems • Reason mathematically, make deductions and inferences and draw conclusions • Comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

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><u>Topic:</u></p> <p>Place value</p> <p>Calculation. Addition and subtraction.</p> <p>Suggested Key Questions: What do you already know about... Do you know place value to 6 digits?</p>	<p><u>Topic:</u></p> <p>Shape. Money</p> <p>ggested Key Questions: What do you already know about? Can you understand properties of 2d/3d shapes? Can you use a protractor?</p>	<p><u>Topic:</u></p> <p>Multiplication Division. Time.</p> <p>Suggested Key Questions: Can you solve problems involving different multiplication</p>	<p><u>Topic:</u></p> <p>Measurement (length and height) Mass capacity and temperature.</p> <p>Suggested Key Questions: What do you already know about... Can you fluently use ?</p>	<p><u>Topic:</u></p> <p>Calculation. Addition and subtraction.</p> <p>Fractions, decimals, and percentages.</p> <p>Suggested Key Questions: What do you already know about... Can you round to nearest 10/100/1000.</p>	<p><u>Topic:</u></p> <p>Statistics</p> <p>Position and direction.</p> <p>Suggested Key Questions: What do you already know about. Are yu able to use correct tally notation.</p>

	<p>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>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>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</p> <p>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 multiple and divide by 10/100 and 1000?</p> <p>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 athat students are learning.</p> <p>Benchmark 4.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills athat students are learning.</p> <p>Benchmark 4.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills athat students are learning.</p> <p>Benchmark 4.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills athat students are learning.</p> <p>Benchmark 4.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills athat students are learning.</p> <p>Benchmark 4.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills athat students are learning.</p> <p>Benchmark 4.</p>

