

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

## 9 v Class - **Venture** -

**Promote Facts (keywords)**

**Rehearsal of key content.**

**Careful Sequenced topics/Challenge with worded problems.**

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	2025-2026	2025-2026	2025-2026	2025-2026	2025-2026	2025-2026
	<p><u>Topic:</u></p> <p>1 Basic Number. <b>1 week</b></p> <p>2. Factors and multiples-<b>2 weeks</b></p> <p>3. Angles <b>2 weeks</b></p> <p><b>Consolidation 1 week</b></p> <p><u>Suggested Key Questions:</u> <u>Promote basic facts-not overload</u> <u>Rehearse key words</u></p> <p>Can you start to solve worded problems and start to find some key facts?</p> <p>With some support can you solve basic calculations?</p>	<p><u>Topic:</u></p> <p>1.Algebra -<b>2 weeks</b></p> <p>2.Fractions, decimal and percentages. -<b>3 weeks</b></p> <p><b>Consolidation 1 week</b></p> <p><u>Suggested Key Questions:</u> <u>Promote basic facts-not overload</u> <u>Rehearse key words</u></p> <p>How do we simplify.</p> <p><b>Key Skills and Knowledge:</b></p> <p>understand and use the concepts and</p>	<p><u>Topic:</u></p> <p>1, Coordinates and linear graphs- <b>2 weeks.</b></p> <p>2. Statistics- <b>2 weeks</b></p> <p>3, Sequence <b>2 weeks</b></p> <p><b>Consolidation 1 week</b></p> <p><u>Suggested Key Questions:</u> <u>Promote basic facts-not overload</u> <u>Rehearse key words</u></p> <p>Can you confidently add up to 100?</p>	<p><u>Topic:</u></p> <p>1.Probability <b>3 weeks</b></p> <p>2. Ratio and proportion <b>2 weeks</b></p> <p><b>Consolidation 1 week</b></p> <p><u>Suggested Key Questions:</u> <u>Promote basic facts-not overload</u> <u>Rehearse key words</u></p> <p><b>Key Skills and Knowledge:</b></p> <p>What is ratio and how does it work?</p>	<p><u>Topic</u></p> <p>1.Working in 2. 2d/3d/ <b>2 weeks</b></p> <p>2.Intro area and perimeter. <b>2 weeks</b></p> <p><b>Consolidation 1 week</b></p> <p><u>Suggested Key Questions:</u> <u>Promote basic facts-not overload</u> <u>Rehearse key words</u></p> <p><b>Key Skills and Knowledge:</b></p> <p>Understand perimeter and area for a given shape.</p>	<p>1 Basic Number. <b>1 week</b></p> <p>Measure <b>2 weeks</b></p> <p><b>Consolidation 1 week</b></p> <p><u>Suggested Key Questions:</u> <u>Promote basic facts-not overload</u> <u>Rehearse key words</u></p> <p><b>Key Skills and Knowledge:</b></p> <p>Measure with accuracy</p> <p>Estimate answers</p>

	<p><b>Skills and Knowledge:</b></p> <p>Apply the four operations, including formal written methods, to integers – both positive and negative</p> <p>Use the concepts and vocabulary of prime numbers, factors (divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple, prime factorisation, including using product notation, and the unique factorisation theorem.</p> <p>Apply the properties of:</p> <ul style="list-style-type: none"> <li>angles at a point</li> <li>angles at a point on a straight line</li> </ul>	<p>vocabulary of expressions, equations, formulae, <u>identities</u>, inequalities, terms and factors</p> <p>Calculate exactly with fractions</p>	<p><b>Key Skills and Knowledge:</b></p> <p>Work with co-ordinates in all four quadrants</p> <p>Interpret and construct tables, charts and diagrams including, for categorical data:</p> <p>Generate terms of a sequence from either a term-to-term or a position-to-term rule</p>	<p>Demonstrate your understanding of <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math> etc.</p> <p><b>Key Skills and Knowledge:</b></p> <p>Record, describe and analyse the frequency of outcomes of probability experiments using tables and frequency tree</p> <p>Identify and work with fractions in ratio problems</p>	<p><u>Construct and</u> interpret plans and elevations of 3D shapes</p>	<p>Check calculations using approximation and estimation, including answers obtained using technology</p>
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	<p>vertically opposite angles</p> <p>Understand and use alternate and corresponding angles on parallel lines</p>					
<p>Links to Gatsby Benchmarks:</p>	<p><b>Benchmark 4</b> Links to STEM opportunities and careers involve Mathematics</p>	<p><b>Benchmark 2</b> Share key employment statistics of current job market. How is the current market useful for mathematic skills?</p>	<p><b>Benchmark 2</b> Share key employment statistics of current job market. How is the current market useful for mathematic skills?</p>	<p><b>Benchmark 2</b> Share key employment statistics of current job market. How is the current market useful for mathematic skills?</p>	G17	<ul style="list-style-type: none"> <li>Calculate the perimeter of a 2D shape and composite shapes</li> <li>Calculate the area of composite shapes</li> </ul>

