

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

## 7n Class - Navigator Curriculum 3 hours per work.

Max 6 hours per topic.

Core mathematical facts, concepts, methods and strategies

Year	2022 – 2023 Autumn 1 Unit 1	2022 – 2023 Autumn 2 Unit 2	2022 – 2023 Spring 1 Unit 3	2022 – 2023 Spring 2 Unit 4	2022 – 2023 Summer 1 Unit 5	2022 – 2023 Summer 2 Unit 6
	<p><b>Topic:</b> Calculation=addition and subtraction. Fractions and decimals and percentages. Measure and accuracy-Money</p> <p><b>Suggested Key Questions</b> What are the key facts involving addition and subtraction? What are the key facts involving fraction, decimals and percentages?</p> <p><b>Key Skills and Knowledge:</b> add and subtract one-digit and two-digit numbers to 20, including zero.</p>	<p><b>Topic:</b> Calculations/multiplication and division. Measure and accuracy-Time Working in 2d/3d.</p> <p><b>Suggested Key Questions:</b> What are the key facts involving multiplication and division?</p> <p><b>Key Skills and Knowledge:</b></p> <ul style="list-style-type: none"> <li>Understand doubling up to 10</li> <li>Understand doubling up to 20.</li> <li>count in multiples of twos, fives and tens</li> </ul>	<p><b>Topic:</b> Algebra Data and statistics Measure and accuracy- Angles and polygons Working in 2d/3d</p> <p><b>Suggested Key Questions:</b> What are the key facts involving algebra? What are the key facts involving statistics? What are the key facts involving angles and polygons? Can you measure with accuracy?</p> <p><b>Key Skills and Knowledge:</b></p> <ul style="list-style-type: none"> <li>Sort and classify objects using a single criterion</li> </ul>	<p><b>Topic:</b> Number Ratio/Probability/Sequence</p> <p><b>Suggested Key Questions:</b> What are the key facts involving ratio and proportion?</p> <p><b>Key Skills and Knowledge:</b></p> <ul style="list-style-type: none"> <li>With confidence and as much independence can you solve problems calculations.</li> <li>Understand simple patterns.</li> </ul>	<p><b>Topic:</b> Calculation Fractions and decimals and percentages. Measure and accuracy.</p> <p><b>Suggested Key Questions:</b> Can you recall keywords and facts involving fraction, decimal and percentages?</p> <p><b>Can you simplify fractions?</b></p> <p><b>Key Skills and Knowledge:</b></p> <ul style="list-style-type: none"> <li>recognise, find and name a quarter as one of four equal parts of an object, shape or quantity</li> </ul>	<p><b>Topic:</b> Measure and accuracy. weight/capacity/volume.</p> <p><b>Suggested Key Questions:</b> Can you correct measuring equipment? Can you measure with accuracy and read scales?</p> <p><b>Key Skills and Knowledge:</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] mass/weight [for example, heavy/light, heavier than,</li> </ul>

	<ul style="list-style-type: none"> <li>• read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</li> <li>• read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = * - 9</math></li> <li>• recognise, find and name a half as one of two equal parts of an object, shape or quantity</li> </ul>	<ul style="list-style-type: none"> <li>• Recognise the odd and even numbers from 1 to 20.</li> </ul>	<p>defined using everyday language.</p> <ul style="list-style-type: none"> <li>• Tally objects using recognised notation.</li> <li>• Extract information from a frequency table.</li> <li>• Draw and interpret a pictogram with scale in 1s or 2s.</li> </ul>		<ul style="list-style-type: none"> <li>• Start to find fraction of an amount</li> </ul>	<p>lighter than] capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] time [for example, quicker, slower, earlier, later] measure and begin to record the following: lengths and heights mass/weight capacity and volume</p>
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<p>Links to Gatsby Benchmarks:</p>	<p><b><u>Benchmark 2</u></b> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><b><u>Benchmark 4.</u></b> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><b><u>Benchmark 2</u></b> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><b><u>Benchmark 4.</u></b> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><b><u>Benchmark 2</u></b> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><b><u>Benchmark 4.</u></b> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><b><u>Benchmark 2</u></b> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><b><u>Benchmark 4.</u></b> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><b><u>Benchmark 2</u></b> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><b><u>Benchmark 4.</u></b> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><b><u>Benchmark 2</u></b> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><b><u>Benchmark 4.</u></b> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>