



Navigator

## Navigator Curriculum - Formal Curriculum

- A formal academic curriculum for students closer to age related expectations.
- Aspirational and challenging.
- It is typically for our children with high functioning autism or moderate learning difficulties.
- A broad and balanced secondary curriculum.
- Leads to good GCSE, Level 1 and Level 2 outcomes.
- Subjects become more specialist.

# 9V Class - Navigator Curriculum -

3 hours per work.  
Flexibility with topic delivery.

7-9 Ks3 Build on prior knowledge/revisit key skills constantly.

Develop fluency

Reason mathematically

Solve problems (worded problems highlighting key words).

Year	2021 – 2022 Autumn 1	2021 – 2022 Autumn 2	2021 – 2022 Spring 1	2021 – 2022 Spring 2	2021 – 2022 Summer 1	2021 – 2022 Summer 2
	<p><b>Topic:</b> Calculation/addition and subtraction. Fractions and decimals and percentages. Measure and accuracy-Time</p> <p><b>Suggested Key Questions:</b></p> <p>Can you solve worded problems involving addition and subtraction? compare and order unit fractions, and</p>	<p><b>Topic:</b> Calculations/ multiplication and division. Measure and accuracy-Money Working in 2d/3d.</p> <p><b>Suggested Key Questions:</b></p> <p>What do you already know about... Can you measure angles? Can you use a protractor? Can you Develop fluency</p>	<p><b>Topic:</b> Algebra Data and statistics Measure and accuracy-weight/length/capacity/volume.</p> <p><b>Suggested Key Questions:</b></p> <p>What do you already know about... Can you measure in mm/cm? How would you work out area? Can you use letters for values?</p>	<p><b>Topic:</b> Number /addition and subtraction Ratio/Probability/Sequence</p> <p><b>Suggested Key Questions:</b></p> <p>What do you already know about... Can you fluently use method addition and subtraction? Can you compare two ratio amounts? Can you continue a sequence?</p>	<p><b>Topic:</b> Whole number calculation/ multiplication and division. Fractions and decimals and percentages. Measure and accuracy.</p> <p><b>Suggested Key Questions:</b></p> <p>What do you already know about... Can you round to nearest 10/100/1000.</p>	<p><b>Topic:</b> Angles and polygons Working in 2d/3d Measure and accuracy. Algebra</p> <p><b>Suggested Key Questions:</b></p> <p>What do you already know about... Can you work out the properties of a triangle? Is there fluency in collecting like terms? Can you reflect a shape on a mirror line?</p>

	<p>fractions with the same denominators?</p> <p><b><u>Key Skills and Knowledge:</u></b></p> <p>Can you Develop fluency Reason mathematically Solve problems involving place value</p> <p>Can you Develop fluency Reason mathematically Solve problems involving the four calculations</p> <p>Can you Develop fluency Reason mathematically Solve problems involving percentages/ fraction and decimals.</p> <p>Can you Develop fluency Reason mathematically Solve problems involving time measure, compare, add and subtract. time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks estimate and read time with increasing accuracy</p>	<p>Reason mathematically Solve problems involving multiplication and division. Can you Develop fluency Reason mathematically Solve problems involving money. Can you Develop fluency Reason mathematically Solve problems involving 2d/3d shapes</p> <p><b><u>Key Skills and Knowledge:</u></b></p> <p>count from 0 in multiples of 4, 8, 50 and 100</p> <p>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</p> <p>draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them recognise angles as a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three make three</p>	<p>Can you collect like terms? Use a formula?</p> <p>Can you Develop fluency Reason mathematically Solve problems involving algebra. Can you Develop fluency Reason mathematically Solve problems involving data and statistics.</p> <p><b><u>Key Skills and Knowledge:</u></b></p> <p>Substitution and solve simple one-step equations</p> <p>interpret and present data using bar charts, pictograms and tables solve one-step and two-step questions</p>	<p>Can you use words to describe different probabilities? 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 algebra. Can you Develop fluency Reason mathematically Solve problems involving ratios, probability and sequence.</p> <p><b><u>Key Skills and Knowledge:</u></b></p>	<p>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><b><u>Key Skills and Knowledge:</u></b></p>	<p>Can you rotate a shape about a point?</p> <p><b><u>Key Skills and Knowledge:</u></b></p> <p>Draw and measure line segments and angles in geometric figures, including interpreting scale drawings. Use and interpret algebraic notation.</p>
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	to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock,	quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle identify horizontal and vertical lines and pairs of perpendicular and parallel lines.				
Links to Gatsby Benchmarks:	<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 and could apply to the current jobs market.</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 apply to the current jobs market.</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 apply to the current jobs market.</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 apply to the current jobs market.</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 apply to the current jobs market.</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 apply to the current jobs market.</p> <p><b><u>Benchmark 4.</u></b> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>