

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

7V Class - Navigator Curriculum - 3 hours per work. Flexibility with topic delivery.

7-9 Ks3 Build on prior knowledge.

Develop fluency with Maths

Keywords

Links between prior knowledge.

Split routine established 30 minutes structured 30 minutes intervention

Year	2022 – 2023 Autumn 1	2022 – 2023 Autumn 2	2022 – 2023 Spring 1	2022 – 2023 Spring 2	2022 – 2023 Summer 1	2022 – 2023 Summer 2
	<p>Topic: Calculation/addition and subtraction. Fractions and decimals and percentages. Measure and accuracy-Time</p> <p>Suggested Key Questions: What do you know about place value? Do you understand place value? Can you calculate using the add/subtract operations?</p>	<p>Topic: Calculations/ multiplication and division. Measure and accuracy-Money Working in 2d/3d. STEM introduced by DB</p> <p>Suggested Key Questions: Are you able to recall your 2, 5 and 10 time table facts? Can you recall your 2d/3d shapes?</p> <p>Key Skills and Knowledge:</p>	<p>Topic: Algebra Data and statistics Measure and accuracy-weight/length/capacity/volume.</p> <p>Suggested Key Questions: What is data? How is data used in maths? Can you compare length/height and volume? Can you use algebraic notation?</p>	<p>Topic: Number /addition and subtraction Ratio/Probability/Sequence</p> <p>Suggested Key Questions: Can you tell me what is happening in this sequence? Can you extract information in worded question involving the two applications of maths?</p>	<p>Topic: Whole number calculation/ multiplication and division. Fractions and decimals and percentages. Measure and accuracy.</p> <p>Suggested Key Questions: Can you find a fraction of a given amount?</p> <p>Key Skills and Knowledge:</p>	<p>Topic: Fractions and decimals and percentages. Measure and accuracy. To be continued from last half term</p> <p>Angles and polygons Working in 2d/3d Measure and accuracy.</p> <p>Algebra- not being taught as agreed by HOF</p> <p>Suggested Key Questions:</p>

<p>Can students recognize half of an object?</p> <p>Can you write $\frac{1}{2}$ as decimal and a percentage?</p> <p>Key Skills and Knowledge:</p> <p>Can you Develop fluency Reason mathematically Solve problems involving place value count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Recognise, find and name a half as one of two equal parts of an object, shape or quantity</p> <p>Understand doubling up to 10 Understand doubling up to 20. count in multiples of twos, fives and tens Recognise the odd and even numbers from 1 to 20.</p> <p>Convert between different units of measure (time)</p>	<p>Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles] 3-D shapes [for example, cuboids (including cubes), pyramids and spheres</p> <p>Count in multiples of twos, fives and tens Recognise the odd and even numbers from 1 to 20.</p> <p>Extract information from a frequency table.</p> <p>Convert between different units of measure (Money)</p>	<p>Key Skills and Knowledge:</p> <p>Use correct algebra notation.</p> <p>Sort and classify objects using a single criterion defined using every day language.</p> <p>Convert between different units of measure (height/weight and capacity).</p>	<p>Key Skills and Knowledge:</p> <p>Describe the sequence Triangle numbers.</p> <p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = * - 9$</p>	<p>Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</p> <p>Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity Find fraction of an amount</p> <p>Problem solve involving comparison, addition and subtraction: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p>	<p>Can you confidently use different apparatus to measure?</p> <p>Key Skills and Knowledge</p> <p>Apply algebraic notation to basic questions.</p> <p>Understand acute angles/obtuse angles. Understand triangles and quadrilaterals. Understand lines.</p>
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Links to Gatsby Benchmarks:	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning and may require.</p> <p>Benchmark 4. STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning and may require.</p> <p>Benchmark 4. STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning and may require.</p> <p>Benchmark 4. STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning and may require.</p> <p>Benchmark 4. STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning and may require.</p> <p>Benchmark 4. STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p>Benchmark 2 Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning and may require.</p> <p>Benchmark 4. STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>