



## Explorer Curriculum – Building block to Formal Curriculum

- The building block before a fully formal curriculum.
- Strong focus on Early Literacy and Numeracy.
- Key skills and knowledge to understand the world around them.
- Functional Skills to apply basic knowledge.
- For children with moderate learning difficulties, autism and other learning needs. Learning takes place through tangible ‘real life situations’ with regular revisiting of learning.
- Students follow an Entry Level (1-3) Pathway at KS4 and KS5.

## 9E Class - Explorer Curriculum -

Promote Facts (keywords)

Rehearsal of key content.

Careful Sequenced topics.

Year	2021 – 2022 Autumn 1 Unit 1	2021 – 2022 Autumn 2 Unit 2	2021 – 2022 Spring 1 Unit 3	2021 – 2022 Spring 2 Unit 4	2021 – 2022 Summer 1 Unit 5	2021 – 2022 Summer 2 Unit 6
	<p><b>Topic:</b> Whole Numbers &amp; Calculations: Fractions, Percentages &amp; Decimals: Units &amp; Measures: (time)</p> <p><b>Suggested Key Questions:</b> <a href="#">Promote basic facts-not overload</a> <a href="#">Rehearse key words</a></p> <p>Can you tell the time to the hour? Can you start to solve problems with missing numbers?</p> <p><b>Skills and Knowledge</b></p> <p><b>Whole Numbers &amp; Calculations:</b></p> <p>I can solve subtraction calculations with a missing</p>	<p><b>Topic:</b> Multiples: Units &amp; Measures: (Money) Shapes &amp; Solids:</p> <p><b>Suggested Key Questions:</b> <a href="#">Promote basic facts-not overload</a> <a href="#">Rehearse key words</a></p> <p>Can you start to use multiplication facts for 5 and 10 times tables? Where would you find the side and corners of some shapes? Can you recognize British coins?</p> <p><b>Key Skills and Knowledge:</b></p> <p><b>Multiples:</b></p>	<p><b>Topic:</b> Whole Numbers &amp; Calculations: Lists &amp; Outcomes: Units &amp; Measures: (Height/capacity/weight)</p> <p><b>Suggested Key Questions:</b> <a href="#">Promote basic facts-not overload</a> <a href="#">Rehearse key words</a></p> <p>Can you solve addition/subtraction problems with missing numbers? Do you understand the x and y axis on a bar chart? Can you start to think about ratio and proportion?</p> <p><b>Key Skills and Knowledge:</b></p>	<p><b>Topic:</b> Fractions, Percentages &amp; Decimals: Proportionality</p> <p><b>Suggested Key Questions:</b> <a href="#">Promote basic facts-not overload</a> <a href="#">Rehearse key words</a></p> <p><b>Key Skills and Knowledge:</b></p> <p><b>Fractions, Percentages &amp; Decimals:</b></p> <p>I can match four quarters in practical activities when given halved resources</p>	<p><b>Topic:</b> Multiples: Units &amp; Measures (angles)</p> <p><b>Suggested Key Questions:</b> <a href="#">Promote basic facts-not overload</a> <a href="#">Rehearse key words</a></p> <p>What is doubling?</p> <p><b>Key Skills and Knowledge:</b></p> <p><b>Multiples/Estimation &amp; Approximation:</b></p> <p>Know and use multiplication of numbers up to 10 by 3, 4, 5 and 10.</p>	<p><b>Topic:</b> Whole Numbers &amp; Calculations: Shapes &amp; Solids:</p> <p><b>Suggested Key Questions:</b> <a href="#">Promote basic facts-not overload</a> <a href="#">Rehearse key words</a></p> <p><b>Key Skills and Knowledge:</b></p> <p><b>Whole Numbers &amp; Calculations:</b></p> <p>Can record simple addition and subtraction calculations from practical or pictorial representations with numbers to 50</p>

<p>number e.g. <math>\square - 3 = 2</math> (boxes in any position) with numbers to 50.</p> <p><b>Fractions, Percentages &amp; Decimals</b></p> <p>I can solve simple problems involving <math>\frac{1}{2}</math>, using objects e.g. Present 6 half apples to the child. How many apples can we make.?</p> <p>Communicate understanding of the term quarter in guided practical activities e.g. cutting a pizza, folding shapes (not necessarily accurately).</p> <p>Recognise that quarter means four equal pieces.</p> <p>I can recognise the symbol of <math>\frac{1}{4}</math>.</p> <p><b>Units &amp; Measures: (time)</b></p> <p>Can show that I am aware of the passage of time, e.g. Hands moving on a clock, sand through a sand timer.</p> <p>Can use the comparative language related to time, e.g. Quicker/slower, earlier/later.</p>	<p><b>Estimation &amp; Approximation:</b></p> <p>Know and use multiplication of numbers up to 10 by 5 and 10. Recognise when a two-digit number is divisible by 5 and 10.</p> <p><b>Shapes &amp; Solids:</b></p> <p>I can identify how many sides/edges and corners a 3D shape has.</p> <p><b>Units &amp; Measures:</b></p> <p>sort and name coins into 1p, 2p, 5p, 10p, 20p, 50p, £1 and £2</p>	<p><b>Whole Numbers &amp; Calculations:</b></p> <p>Can solve addition and subtraction calculations with a missing number when operations are mixed with numbers to 50.</p> <p><b>Lists &amp; Outcomes:</b></p> <p>Interpret and present data using bar charts, pictograms and tables</p> <p>Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</p> <p>Solve simple proportion problems using systematic analysis e.g. adapt a 2 person recipe for 1 person, 3 people, 20 people, etc.</p> <p><b>Units &amp; Measures: (Height/capacity/weight)</b></p> <p>Estimate how many non-standard units of measure will be needed when measuring length, capacity and mass.</p>	<p>and no other fractional parts.</p> <p>Can recognise that quarter means four equal pieces.</p> <p>Can solve simple problems involving <math>\frac{1}{2}</math> and <math>\frac{1}{4}</math> using standard and non-standard units of length.</p> <p>Proportionality</p> <p>Solve simple proportion problems using systematic analysis e.g. adapt a 2 person recipe for 1 person, 3 people, 20 people, etc.</p>	<p>Recognise when a two-digit number is divisible by 2, 3, 4, 5 and 10.</p> <p><b>Units &amp; Measures:</b></p> <p>Can describe a range of 2D shapes using more than one property. Solve problems by sorting according to one stated property e.g. 3 corners, all of the shapes with straight sides.</p> <p>Draw 90 degree angles in different orientations.</p>	<p>can use my knowledge of counting in 2s to complete given addition and subtraction calculations.</p> <p><b>Shapes &amp; Solids:</b></p> <p>I can recognise by name 2D shapes - square, triangle, rectangle, circle, pentagon and hexagon. Can name 2D shapes - square, triangle, rectangle, circle, pentagon, hexagon</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>	<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>