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

7E Class - **Explorer Curriculum** -

Promote Facts (keywords)

Rehearsal of key content.

Careful Sequenced topics.

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	Autumn 1 2025 - 2026	Autumn 2 2025 - 2026	Spring 1 2025 - 2026	Spring 2 2025 - 2026	Summer 1 2025 - 2026	Summer 2 2025 - 2026
	Topic: **Place value.** **Addition and Subtraction** Suggested Key Questions: **Can you count on from a number? Forwards, backwards?** **Can you recognize the make-up of a number (HTU)** **Can you recognize numbers as words and vice versa** **Understand fewer, more and same?**	Topic: **Addition and Subtraction** **Multiplication** **Sequences – Shape and Colour** Suggested Key Questions: What is multiplication (groups, repeated addition) What patterns can we see/make What comes next? Can you use words to describe the changes	Topic: **2D Shapes – Properties** **2D Shapes – Area and Perimeter** Suggested Key Questions: Know and use names for basic shapes e.g. triangle, rectangle, square, circle How many sides, corners? What shapes can we find around us. What is perimeter	Topic: **Division and Factors** **Fractions,Ratio and Proportion** Suggested Key Questions: What is division? Can you share 12 apples equally between 2,3,4 people. What about 5 people? What is a factor? How can we check all factors have been found? If you cut a sandwich in half how many pieces do you have?	Topic: **Place Value** **Addition and Subtraction** **Geometry – Coordinates and Position** Suggested Key Questions: **How can we find a position on a grid?** **Can you plot (x, y)** **If we move 2 steps up/down/left/right how**	Topic: **Time and the Calendar** **Money** Suggested Key Questions: **What coins do we have in the UK?** **How can we make 10p?** **20P** **50p?** **£1** **What change would you get from;** **10p, 20p, 50p, £1** How many minutes in an hour?

	Can you recognise numbers as words? **Key Skills and Knowledge** and order whole numbers up to 20. Can you do number bonds within 10? Are you able to add one more?. Can you count within 20? Understand 1 more and 1 less. Use appropriate Write objects or number line to add single-digit numbers up to and through 20, 50 and 100.	**Key Skills and Knowledge:** Use of repeated addition Knowledge of 2,3,5 and 10 times tables Commutative properties Zero and one rules Prediction of sequence patterns	What is area? What skills can we use to find the values? **Key Skills and Knowledge:** What shapes can you recognize in real life Difference between regular and irregular shapes Can you apply addition skills to finding perimeter Use of multiplication skills to find area Counting squares (array), repeated addition	How big is each piece? Which is bigger; ½ or 1/4 ? How do you know? What is meant by ratio and proportion? **Key Skills and Knowledge:** Division as grouping and sharing equally Relationship between multiplication and division What a factor is Division facts for familiar times tables Meaning of numerator and denominator Compare fractions with equal denominators Finding simple equivalent fractions	**does the coordinate change?** **Key Skills and Knowledge:** Plot and read a given coordinates Describe movement between points	How many hours in a day? Can you read o'clock and half past? **Key Skills and Knowledge:** Recognise British coins in everyday use. Know that £1 is 100p, £2 is 200p, etc. Order collection of coins. Select coins equivalent to an amount of money up to £1. Give change from £1. Use language associated with time e.g. morning, afternoon, evening, night.
Links to Gatsby Bench marks:	**Benchmark 4** **Links to STEM opportunities and careers involve Mathematics**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**	**Benchmark 4 Links to STEM opportunities and careers involve Mathematics**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**