6.3E Class - **Explorer Curriculum** –*Vertical tutoring.*

Promote Facts (keywords)

Rehearsal of key content and recall (year 12)

Start to use reasoning (Year 13)

Apply to solve problems in a variety of situations (Year 14)

Limited support to build greater resilience and understanding.

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
	Topic: Calculations Addition and subtraction Fractions, Percentages and Decimals Year 14 & Leavers to start coursework. Time. **Suggested Key Questions:** With limited support can count across 10-50 **Skills and Knowledge** limited support Be able to work with whole numbers. Count reliably up to 50 items. limited support Order numbers up to 50. limited support Interpret - and =. Use related vocabulary, for example take away, minus, equals.	**Topic:** Multiplication and division Money Proportionality Year 14 & Leavers to start coursework. **Suggested Key Questions:** With support can you use some multiplication facts confidently? **Key Skills and Knowledge:** limited support Know and use multiplication of numbers up to 2 by 5, 10.. limited support Solve simple proportion problems by repeated addition of constituent quantities e.g. if 1 cake costs	**Topic:** Measurement. Addition/Subtraction Shapes and Solids Year 14& levers to sit exam. **Suggested Key Questions:** With some support can you count up to 100? With some support can you measure with accuracy? **Key Skills and Knowledge:** limited support count up to 100 Order numbers up to 100. limited support Compare numbers up to 100 limited support whole numbers up to 100. limited support Write whole numbers up to 100	**Topic:** Multiplication and division Statistics Estimation and Approximation **Suggested Key Questions:** With some support can you use multiplication facts to solve division problems? **Key Skills and Knowledge:** limited support Know and use multiplication of whole numbers up to 2,5 and 10 with some confidence., and use this knowledge in multiplication and	**Topic:** Fractions, Percentages and Decimals Formulae and patterns. **Suggested Key Questions:** With greater confidence can you recognize 100% equals the full amount? **Key Skills and Knowledge:** Do you understand the relationship between fraction, decimal and percentages? Can you convert between the three? limited support With limited support understand that 1% is equivalent to dividing by 100.	**Topic:** Number addition and subtraction. Symmetry and Transformations Shapes and Solids **Suggested Key Questions:** With greater confidence can you add to add number to 100 independently? **Key Skills and Knowledge:** limited support and greater confidence. Be able to add and subtract whole numbers. Add two-digit whole numbers. Subtract two-digit whole numbers. Round to the nearest 10. Recall addition and subtraction facts.

	Be able to solve everyday problems with and without a calculator With limited support Add/Subtract whole numbers from an initial value no greater than 50. limited support Order decimals and fractions.		limited support Add/Subtract whole numbers from an initial value no greater than 100. limited support Sort and classify shapes using language related to angles and sides e.g. straight, right angle, acute, obtuse, curved, corners. limited support Estimate heights, lengths and weights.	division problems. limited support Be able to extract information. State the purpose of a table or graph and the associated labels. Extract information from lists, tables, simple diagrams and bar charts limited support Understand and use place value to order 1 significant figure integer numbers up to 100 e.g. order 70, 6, 20.	limited support Complete a sequence increasing or decreasing by 2, 3, 5 or 10.	limited support Sort and classify solids using language related to angles, edges and faces e.g. straight, right angle, acute, obtuse, curved, corners, perpendicular, parallel.
Links to Gatsby Benchmarks:	**Benchmark 2 & 4 Links to STEM opportunities and careers involve Mathematics.** **Are there opportunities to link to current job market trends.** **Can we find an opportunity to explore career opportunities with the School Café.** **Benchmark 3** **Are there voluntary work opportunities.**	**Benchmark 2 & 4 Links to STEM opportunities and careers involve Mathematics.** **Are there opportunities to link to current job market trends.** **Can we find an opportunity to explore career opportunities with the School Café.** **Benchmark 3** **Are there voluntary work opportunities.**	**Benchmark 2 & 4 Links to STEM opportunities and careers involve Mathematics.** **Are there opportunities to link to current job market trends.** **Can we find an opportunity to explore career opportunities with the School Café.** **Benchmark 3** **Are there voluntary work opportunities.**	**Benchmark 2 & 4 Links to STEM opportunities and careers involve Mathematics.** **Are there opportunities to link to current job market trends.** **Can we find an opportunity to explore career opportunities with the School Café.** **Benchmark 3** **Are there voluntary work opportunities.**	**Benchmark 2 & 4 Links to STEM opportunities and careers involve Mathematics.** **Are there opportunities to link to current job market trends.** **Can we find an opportunity to explore career opportunities with the School Café.** **Benchmark 3** **Are there voluntary work opportunities.**	**Benchmark 2 & 4 Links to STEM opportunities and careers involve Mathematics.** **Are there opportunities to link to current job market trends.** **Can we find an opportunity to explore career opportunities with the School Café.** **Benchmark 3** **Are there voluntary work opportunities.**