11E Class - Venture -

Promote Facts (keywords)

Rehearsal of key content.

Careful Sequenced topics/Challenge with worded problems.

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	2024-2025	2024-2025	2024-2025	2024-2025	2024-2025	2024-2025
	Topic: Place value Addition and Subtraction (10-1000) **Evidence EL1-EL3 coursework sheets.** **Suggested Key Questions: Promote basic facts-not overload** Rehearse key words	**Topic:** Place value addition and subtraction Units & Measures: (Money) **Evidence EL1-EL3 coursework sheets.** **Suggested Key Questions: Promote basic facts-not overload** Rehearse key words	**Topic:** Place value addition and subtraction Multiples -Multiplication and division. Shapes and solids **Exam date TBC** **Suggested Key Questions: Promote basic facts-not overload** Rehearse key words	**Topic:** Fractions, Percentages & Decimals: Data (statistics) **Suggested Key Questions: Promote basic facts-not overload** Rehearse key words What is ratio and how does it work? Demonstrate your understanding of ¼, 2/4, ¾ etc.	**Topic:** Multiples-Multiplication and division. Units & Measures: (Money) **RAF Cosford Trip or math related Trip.** **Suggested Key Questions: Promote basic facts-not overload** Rehearse key words Can you solve basic multiples problems	**Topic:** Place value addition and subtraction Units & Measures: (time) **Suggested Key Questions: Promote basic facts-not overload** Rehearse key words What happens with borrowing from a different place value? Can you demonstrate borrowing independently.

Can you start to solve worded problems and start to find some key facts? With some support can you solve basic calculations? **Skills and Knowledge:** **Whole Numbers & Calculations:** ==Begin to== Write, order and compare whole numbers up to 100. Know the value of each digit in a two-digit number Start to develop addition and recall basic number facts. Understand vocabulary associated with numerical calculations such as multiply, times, half, divide, ×, ÷.	What is inverse (division and multiplication). What change would you get from a given amount? **Key Skills and Knowledge:** **Whole Numbers & Calculations:** ==Begin to== Write, order and compare whole numbers up to 1000. Know the value of each digit in a two-digit number Start to develop addition and recall basic number facts.	Can you confidently add up to 100? **Key Skills and Knowledge:** **Whole Numbers & Calculations:** ==Greater fluency== with adding whole numbers up to 100. . **Multiples** Know and use multiplication of numbers up to 10 by 2. Understand and use the term 'double'. **Shapes and solids** Sort and classify shapes using language related to angles and sides e.g. straight, right angle, acute, obtuse, curved, corners, perpendicular, parallel, arc. Know and use names for basic shapes e.g. triangle, rectangle, square, circle.	**Key Skills and Knowledge:** **N2 Fractions, Percentages & Decimals:** Calculate the fractions ¼, 2/4 and ¾ of a length, shape, set of objects or quantity. Write fraction symbols from verbal instruction. Demonstrate that the same quantity can be split into equal groups in different ways. **Statistics** **Know the correct tally notation.** **Understand how to extract information.**	involving missing numbers? What occurs when youi divide by a specific amount? **Key Skills and Knowledge:** **Multiples:** Solve problems, including missing number problems, involving multiplication and division **Units & Measures:** Work out change from a given amount.	**Key Skills and Knowledge:** **Whole Numbers & Calculations:** ==Fluently and indecently== Subtract a single-digit number from an initial value no greater than 100. (regrouping and non-regrouping)
Links to Gatsby Benchmarks:	**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?**