# 6.2E 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)**

**Mostly Indepnedent.**

| 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 |
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| | **Topic:**<br><br>Calculations<br>Addition and subtraction<br><br>Fractions, Percentages and Decimals<br>Time.<br><br><br>**Suggested Key Questions:**<br><br>Can you count across 100 wit out support from any given number?<br><br>**Skills and Knowledge**<br>Be able to work with whole numbers.<br>Count reliably up to 100 items.<br>Order numbers up to 100.<br><br>Interpret - and =.<br>Use related vocabulary, for example take away, minus, equals.<br>Be able to solve everyday problems with and without a calculator | **Topic:**<br><br>Multiplication and division<br>Money<br>Proportionality<br><br><br>**Suggested Key Questions:**<br>Can you use multiplication facts confidently?<br><br>**Key Skills and Knowledge:**<br><br>Know and use multiplication of numbers up to 10 by 3, 4, 5 and 10.<br><br>Solve simple proportion problems by repeated addition of constituent quantities e.g. if 1 cake costs | **Topic:**<br><br>Measurement.<br><br>Addition/Subtraction<br><br>Shapes and Solids<br>Year 14& levers to sit exam.<br><br><br>**Suggested Key Questions:**<br><br>Can you recall your addition and subtraction facts to solve problems and apply across a range of topics?<br>Can you use addition and subtraction facts confidently?<br>Can you recognize property of shapes?<br><br>**Key Skills and Knowledge:**<br><br>Count up to 1000<br>Order numbers up to 1000. | **Topic:**<br><br>Multiplication and division<br>Statistics<br><br>Estimation and Approximation<br><br><br>**Suggested Key Questions:**<br><br><br>Can you recall and use multiplication facts to solve division problems?<br><br><br>**Key Skills and Knowledge:**<br><br>Know and use multiplication of whole numbers up to 12 × 12, and use this knowledge in multiplication and division problems**.** | **Topic:**<br>Fractions, Percentages and Decimals<br>Formulae and patterns.<br><br>**Suggested Key Questions:**<br><br><br>**Key Skills and Knowledge:**<br><br>Do you understand the relationship between fraction, decimal and percentages?<br>Can you convert between the three?<br><br><br>Understand that 1% is equivalent to dividing by 100.<br><br>Complete a sequence increasing or decreasing by 2, 3, 5 or 10. | **Topic:**<br>Number addition and subtraction.<br>Symmetry and Transformations<br>Shapes and Solids<br><br>**Suggested Key Questions:**<br><br><br>**Key Skills and Knowledge:**<br><br><br>Be able to add and subtract whole numbers.<br>Add two-digit whole numbers.<br>Subtract two-digit whole numbers.<br>Round to the nearest 10.<br>Recall addition and subtraction facts to 10. 2.<br><br><br>Sort and classify solids using language related to angles, edges and faces |

| | | | Compare numbers up to 1000.<br>Read whole numbers up to 1000.<br>Write whole numbers up to 1000 | Be able to extract information.<br>State the purpose of a table or graph and the associated labels.<br>Extract information from lists, tables, simple diagrams and bar charts | | e.g. straight, right angle, acute, obtuse, curved, corners, perpendicular, parallel. |
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| | Add/Subtract whole numbers from an initial value no greater than 100.<br><br>Order decimals and fractions. | | Add/Subtract whole numbers from an initial value no greater than 100.<br><br>Sort and classify shapes using language related to angles and sides e.g. straight, right angle, acute, obtuse, curved, corners, perpendicular, parallel, arc<br><br>Estimate heights, lengths and weights of everyday objects. | Understand and use place value to order 1 significant figure integer numbers up to 100 e.g. order 70, 6, 20. | | |
| **Links to Gatsby Benchmarks:** | **Benchmark 2 & 4**<br>**Links to STEM opportunities and careers involve Mathematics.**<br><br>**Are there opportunities to link to current job market trends.**<br>**Can we find an opportunity to explore career opportunities with the School Café.**<br><br>**Benchmark 3**<br>**Are there voluntary work opportunities.** | **Benchmark 2 & 4**<br>**Links to STEM opportunities and careers involve Mathematics.**<br><br>**Are there opportunities to link to current job market trends.**<br>**Can we find an opportunity to explore career opportunities with the School Café.**<br><br>**Benchmark 3**<br>**Are there voluntary work opportunities.** | **Benchmark 2 & 4**<br>**Links to STEM opportunities and careers involve Mathematics.**<br><br>**Are there opportunities to link to current job market trends.**<br>**Can we find an opportunity to explore career opportunities with the School Café.**<br><br>**Benchmark 3**<br>**Are there voluntary work opportunities.** | **Benchmark 2 & 4**<br>**Links to STEM opportunities and careers involve Mathematics.**<br><br>**Are there opportunities to link to current job market trends.**<br>**Can we find an opportunity to explore career opportunities with the School Café.**<br><br>**Benchmark 3**<br>**Are there voluntary work opportunities.** | **Benchmark 2 & 4**<br>**Links to STEM opportunities and careers involve Mathematics.**<br><br>**Are there opportunities to link to current job market trends.**<br>**Can we find an opportunity to explore career opportunities with the School Café.**<br><br>**Benchmark 3**<br>**Are there voluntary work opportunities.** | **Benchmark 2 & 4**<br>**Links to STEM opportunities and careers involve Mathematics.**<br><br>**Are there opportunities to link to current job market trends.**<br>**Can we find an opportunity to explore career opportunities with the School Café.**<br><br>**Benchmark 3**<br>**Are there voluntary work opportunities.** |