



Samphire Class: Mathematics Curriculum Coverage

Year 3

1. Three-digit numbers
2. Three-digit addition and subtraction
3. 3s, 4s, 8s, 50s and 100s
4. Exploring multiplication and division
5. Adding and subtracting money
6. Using graphs
7. Length and perimeter
8. Introduction to comparing, ordering and equivalent fractions
9. Introduction to finding fractions of an amount
10. Introduction to comparing, ordering and equivalent fractions
11. Introduction to finding fractions of an amount
12. Introduction to adding and subtracting fractions
13. Roman numerals on the clock
14. Analogue and digital time
15. Angles
16. Making shapes
17. Length, weight, capacity and volume

Year 4

- Four-digit numbers
- Numbers below 0
- Roman numerals to 100 (C)
- Four-digit addition and subtraction
- Perimeter of simple shapes
- Converting between different units of measure
- Short multiplication
- 6s, 7s, 9s, 25s and 1,000s
- Factor pairs
- Short multiplication
- Area by counting shapes
- Common equivalent fractions

- Fractions of an amount
- Add and subtract fractions with the same denominator
- Introduction to decimals
- Solving problems with decimals
- Solving problems involving money
- Converting between units of time
- Bar charts, pictograms and triangles
- Comparing angles
- Classify quadrilaterals and triangles
- Symmetry
- 72 Coordinates and translations

Year 5

- At least a million
- Introduction to negative numbers
- Roman numerals to 1,000 (M)
- Addition and subtraction of numbers with more than 4 digits
- Line graphs and tables
- 10s, 100s, 1,000s...
- Multiplication of two-digit numbers and short division
- Factors, multiples and prime numbers
- Perimeter and area
- Multiplication of two-digit numbers and short division
- Combining addition, subtraction, multiplication and division
- Compare, order and simplify fractions
- Compare, order and find equivalent fractions
- Introduction to adding and subtracting fractions with different denominators
- Multiply proper fractions and mixed numbers by whole numbers
- Rates and scaling by fractions
- Four operations with decimals
- Introduction to percentages
- Four operations with decimals
- Drawing, measuring, comparing and finding angles
- Exploring 2D representations of 3D shapes
- Reflection and translation
- Converting metric and simple imperial units
- Further converting between units of time
- Exploring capacity and volume

Year 6

- Positive integers
 - Negative numbers
 - Addition and subtraction of numbers of any size
 - Long multiplication and short division
 - Calculations with four operations
 - Common factors and multiples
 - Adding and subtracting fractions with different denominators
 - Multiply and divide fractions
 - Coordinates, translation and reflection
 - Calculating with decimals
 - Calculating with percentages
 - Understanding algebra
 - Solving problems involving converting between units of time
 - Area and volume
 - Solving problems involving ratio and proportion
 - Building and drawing 2D and 3D shapes and nets
 - Classifying shapes
 - Missing angles and lengths
 - Circles
 - Pie charts, line graphs and the mean average
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