

Mathematics Long Term Planning

Year 6

| Term | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|--|--|--------|--|--------|---|--------|--|--------|--|---|---|---|
| A U T U M N | Number and Place Value | | Addition, Subtraction, Multiplication and Division | | | | Fractions | | | Fractions | | Converting Units |
| | Numbers to 1,000,000 Numbers to 10,000,000 Read and write numbers to 10,000,000 Powers of 10 Number line to 10,000,000 Compare and order any integers Round any integers Negative numbers | | Add and subtract integers Common factors Common multiples Rules of divisibility Primes to 100 Square and cube numbers Multiply up to a 4-digit number by a 2-digit number Solve problems with multiplication Short division Division using factors Introduction to long division Long division with remainders Solve problems with division Solve multi-step problems Order of operations Mental calculations and estimation Reason from known facts | | | | Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract simple fractions Add and subtract any two fractions Add mixed numbers Subtract mixed numbers Multi-step problems | | | Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Divide any fraction by an integer Mixed questions with fractions Fraction of an amount Fraction of an amount - find the whole | | Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures |
| S P R I N G | Ratio and proportion | | Algebra | | Decimals | | Fractions, decimals and percentages | | Measures | | Statistics | |
| | Calculate and simplify ration Use ratio to solve problems Solve problems with ratio and proportion Solve problems using scale factors | | Use simple formulae to solve missing number problems Solve equations with two unknowns Generate and describe number sequences | | Identify the value of digits Compare and order | | Rounding Recall and use equivalences Percentages of amounts Problem solving | | Calculate the area of rectangles and compound shapes using formulae Calculate the area of triangles and parallelograms using formulae Calculate perimeter Recognise same areas can have different perimeters and vice-versa Problem solving with area and perimeter Volume of cubes and cuboids | | Interpret and construct line graphs Interpret and construct bar graphs Interpret pie charts Construct pie charts Reason and problem solve with pie charts Calculate and interpret the mean | |

| | | | | |
|--|---|---|----------------------|---|
| S U M M E R | Properties of shape | Position and direction | SATs revision | Topic based maths investigations |
| | Recognise, estimate and measure angles | Read and plot coordinates in the first quadrant | | |
| | Draw angles | | | |
| | Find missing angles | Read and plot coordinates on the full grid | | |
| | Name and illustrate parts of a circle | Calculate missing coordinates | | |
| Understand radius and diameter | Draw and translate shapes on the coordinate plane | | | |
| | | Describe the position of shapes on the coordinate plane | | |