Curriculum Area: Maths

Subject Coordinator: BK

| Year Group | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|---|---|---|---|---|---|---|
| **7** | Baseline assessments<br>Place value up to Th's<br>Four operations;<br>• Add with carrying<br>• Subtract with exchanging<br>• Multiplying times tables up to 12's<br>• Dividing using times tables | Rounding<br>• Nearest 10/100<br>Estimation<br>• How many in a container.<br>Fractions<br>• Identify, write, create basic fractions<br>• Find basic fractions of small amounts.<br>Shapes<br>• Identify 2D shapes and basic properties<br>• Lines of symmetry | Probability<br>• Probability scale<br>• Language of probability<br>Algebra<br>• Missing number problems<br>• Introducing letters<br>• Solving 1 step problems<br>Statistics<br>• Collecting and showing data<br>• Mode | Shapes<br>• Perimeter squares and rectangles<br>• Types of triangles<br>• 3D Shape names | Units of Measure<br>• Identifying units<br>• Measuring length, mass, capacity<br>Time<br>• Parts of a clock<br>• Nearest hour, half hour, quarter hour<br>• Digital display<br>Money<br>• Identifying coins<br>• Totals up to £20<br>• Change from £1 | Co-ordinates<br>• Directional language<br>• Plotting on one quadrant<br>• Reading on one quadrant<br>Angles<br>• Identifying: acute, right, obtuse<br>• Measuring |
| **8** | Place value including decimals<br>Four rules with four operations<br>• Adding with positive and negative numbers<br>• Subtracting positive and negative numbers<br>• Multiplying including long multiplication methods<br>• Division with H's and Th's<br>Factors of numbers<br>Multiples of numbers | Rounding<br>• Nearest whole number<br>• 1 decimal place<br>Estimation<br>• Lengths and weights of small objects<br>Fractions<br>• Identify<br>• Add & Subtract<br>• Fractions of amounts including 1/5, 1/6, 2/3<br>Shapes<br>• Properties of shapes – angles<br>• Symmetry lines and rotation | Probability<br>• As fractions and decimals<br>Algebra<br>• Collecting like terms<br>• 1 & 2 step problems<br>• Substitution<br>Statistics<br>• Grouped data<br>• Bar charts<br>• Line graphs | Shapes<br>• Perimeter compound shapes<br>• Area squares and rectangles<br>• Volume of cubes<br>• 3D shape properties<br>• Reflections<br>• Rotations | Units of Measure<br>• Converting metric units – mass, length, capacity<br>Time<br>• Time to the nearest minute,<br>• Converting between digital and analogue 12 hr<br>Money<br>• Basic budgeting | Co-ordinates<br>• Plotting in 2 quadrants<br>• Reading in 2 quadrants<br>Statistics<br>• Mode, Median<br>Angles<br>• Reflex<br>• Construction |
| **9** | Place value M and including decimals<br>Four rules with four operations<br>• +, -, x, ÷ with positive and negative<br>• Long multiplication<br>• Long division<br>Factors<br>• HCF, Prime Factors<br>Multiples<br>• LCM<br>• Real world application of both HCF and LCM | Rounding<br>• Whole number<br>• 2 & 3 decimal places<br>• Significant figures<br>Estimation<br>• Distances<br>• Length of events<br>• Cost of items<br>Fractions<br>• +, -, x, ÷<br>• Fractions of amounts<br>• Converting proper improper<br>• Converting to decimals<br>Shapes<br>• Properties rules regular shapes<br>• Rotational symmetry | Probability<br>• Events happening, not happening<br>• Mutually exclusive<br>• Trees<br>Algebra<br>• Rearranging formulae<br>• Sequences<br>Statistics<br>• Composite dual bar charts<br>• Pie charts<br>• Scatter graphs<br>• Conversion graphs | Shapes<br>• Area of triangles<br>• Translation<br>• Enlargements<br>• Parts of a circle<br>• Nets of 3D shapes<br>• Volume cubes, cuboids | Units of Measure<br>• Metric and Imperial units<br>• Convert between metric and imperial units – length, mass, capacity<br>Time<br>• 24 Hour<br>• Time tables<br>• Elapsed time<br>Money<br>• Real life money<br>• Budgeting real life | Co-ordinates<br>• Reading and plotting in all quadrants<br>Statistics<br>• Range, Mean<br>Angles<br>• Angles in parallel lines<br>• Constructing compound shapes |