

## ***A\* Star Teachers – Maths Equivalency syllabus guide***

<p><b>Numbers</b>            Ordering Numbers and Place Value            Multiplying by 10, 100, etc            Dividing by 10, 100, etc            Adding            Subtracting            Adding Decimals            Subtracting Decimals            Multiplying            Dividing            Multiplying Decimals            Dividing Decimals</p>	<p><b>Numbers cont.</b>            Special Number Sequences            Multiples            Factors            LCM and HCF            Prime Numbers            Ratio            Best Buys            Fractions            Fractions of Quantities            Fraction Arithmetic            More Fraction Problems            Fractions, Decimals, %            Percentages</p>
<p><b>Shapes and Area</b>            Regular Polygons            Symmetry            Quadrilaterals            Families of Triangle            Vertices, Faces and Edges            Perimeters            Areas of Rectangles            Areas of Triangles            Composite Areas            More Areas            Circles            Volume            Solids and Nets            Length, Area and Volume</p>	<p><b>Measurements</b>            Metric and Imperial Units            Rounding Off            Estimating            Accuracy and Estimating            Conversion Graphs            Conversion Factors            Clock Time Questions            Compass Directions            Three Figure Bearings            Scale Drawings            Formula Triangles            Speed            Density</p>
<p><b>Angles and Geometry</b>            Estimating Angles            Drawing Angles            Angle Rules            Three-letter Angle Notation            Parallel Lines            Pythagoras'            Loci and Constructions            Congruence            Similarity and Enlargement            Transformations - Enlargements            Transformations - Translation            Transformations - Reflection            Transformations - Rotation</p>	<p><b>Handling Data</b>            Probability            Mode and Median            Mean and Range            Averages            Tally/Frequency Tables            Grouped Frequency Tables            Tables, Charts and Graphs            Stem and Leaf Diagrams            Line Graphs            Scattergraphs            Pie Chart</p>
<p><b>Graphs</b>            Coordinates            Midpoints of Line Segments            Straight Line Graphs You Should Know            Plotting Straight Line Graphs            Gradients of Lines            Straight Line Graphs: <math>y = mx + c</math>            Finding the Equation of a Straight Line            Quadratic Graphs            Simultaneous Equations with Graphs            Interpreting Graphs            Travel Graphs</p>	<p><b>Algebra</b>            Negative Numbers            Standard Index Form            Powers            Square and Cube Roots            Number Patterns and Sequences            Formulas from Words            Rearranging Formulas            Substituting Values into Formulas            Algebra Collecting Terms and Expanding            Algebra - Expanding Double Brackets            Algebra - Taking out Common Factors            Solving Equations            Trial and Improvement            Inequalities</p>