

Year 7 – MATHEMATICS Programme of Study

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Negative Numbers</p> <ul style="list-style-type: none"> Ordering Add and Subtract only <p>Working with Decimals</p> <ul style="list-style-type: none"> Reading scales Ordering Calculations <p>Time</p> <ul style="list-style-type: none"> Analogue and digital clocks. Timetables Converting units of time <p>Angles</p> <ul style="list-style-type: none"> Parallel and perpendicular lines Types of angles Measuring and drawing angles Basic angle rules <p>Milestone Assessment: Numeracy</p>	<p>Area and Perimeter</p> <ul style="list-style-type: none"> 2D shape properties (symmetry) Squares, rectangles, triangles Compound shapes Parallelograms and trapezia <p>Fractions, Decimals & Percentages</p> <ul style="list-style-type: none"> Recall equivalencies Convert between fractions, decimals and percentages. <p>Statistics</p> <ul style="list-style-type: none"> Data collection Pictograms Bar charts Pie charts <p>Negative Numbers</p> <ul style="list-style-type: none"> Multiply and divide <p>Milestone Assessment: End of term non-calculator</p>	<p>Volume</p> <ul style="list-style-type: none"> 3D shapes and properties Volume of cubes and cuboids Volume of prisms Solving problems <p>Algebra</p> <ul style="list-style-type: none"> Collecting like terms Multiplying and Dividing algebraic terms Substitution <p>Milestone Assessment: Shape</p>	<p>Equations</p> <ul style="list-style-type: none"> Solving one and two step linear equations Forming equations to solve problems <p>Probability</p> <ul style="list-style-type: none"> Probability scale Listing outcomes Calculating probabilities Estimating probabilities based on experimental data <p>Co-ordinates</p> <ul style="list-style-type: none"> Plot and read coordinates Find the midpoint of 2 coordinates <p>Milestone Assessment: End of term calculator</p>	<p>Fractions</p> <ul style="list-style-type: none"> Comparing Simplifying Fractions of amounts <p>Sequences</p> <ul style="list-style-type: none"> Square, cube and triangular numbers Generating sequences Term to term rules Nth term Geometric sequences <p>Percentages</p> <ul style="list-style-type: none"> Percentages of amounts Percentage increase and decrease <p>Milestone Assessment: Algebra</p>	<p>Fractions</p> <ul style="list-style-type: none"> Four operations Calculator Methods <p>Ratio</p> <ul style="list-style-type: none"> Scale Drawings Map Scales <p>Problem Solving</p> <p>Milestone Assessment: End of year non-calculator</p>