

YEAR 10 – Foundation	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12
AUTUMN	Perimeter, Area and 3D Forms					Graphs			Transformations			Assessment
	<ul style="list-style-type: none"> <li>Area and perimeter – rectangles, parallelograms, triangles and trapeziums.</li> <li>Area and perimeter of compound shapes</li> <li>Converting units of length and area</li> </ul>	<ul style="list-style-type: none"> <li>3D shape names and properties</li> <li>Volume of prisms</li> <li>Surface area of prisms</li> <li>Converting units of volume</li> <li>Problem Solving and multi-step questions.</li> </ul>		<ul style="list-style-type: none"> <li>Coordinates and midpoints</li> <li>Plotting linear graphs</li> <li>Gradients</li> <li><math>Y = mx+c</math></li> </ul>	Real Life graphs Drawing and interpreting Include conversion graphs and distance-time graphs	<ul style="list-style-type: none"> <li>Reflections</li> <li>Translations</li> <li>Rotations</li> <li>Enlargements – positive sf, <b>negative sf and fractional sf</b></li> <li><b>Combined transformations</b></li> <li>Describing transformations</li> </ul>						
SPRING	Ratio and Proportion				Triangles				Probability			Assessment
	<ul style="list-style-type: none"> <li>Ratio notation</li> <li>Simplifying ratio – express as fractions and 1:n</li> <li>Sharing a quantity into a given ratio</li> <li>Solving ratio problems in context</li> <li>Unitary method</li> <li>Scaling up quantities</li> <li>Direct and inverse proportion</li> <li><b>Proportion graphs</b></li> </ul>	<ul style="list-style-type: none"> <li>Pythagoras</li> <li>- Understand and recall Pythagoras theorem</li> <li>- Calculate missing sides</li> <li>- Problem solve</li> <li><b>Trigonometry</b></li> <li>- Understand and recall trig ratios</li> <li>- Use to calculate sides and angles</li> <li>- Problem solve</li> <li>Combined/Mixed problems</li> </ul>			<ul style="list-style-type: none"> <li>Calculate simple probabilities</li> <li>List outcomes of events</li> <li>Experimental probability</li> <li>Tree diagrams</li> <li>Venn diagrams</li> </ul>							
SUMMER	Multiplicative Reasoning					Assessment	Loci and Constructions					
	<ul style="list-style-type: none"> <li>Percentages</li> <li>Growth and decay</li> <li>Repeated % change</li> <li>SDT</li> <li>Compound measures</li> <li>Direct and inverse proportion</li> </ul>	<ul style="list-style-type: none"> <li>Properties of 3D shapes</li> <li>Plans and elevations</li> <li>Making accurate drawings (constructing triangles)</li> <li>Scale drawings</li> <li>Constructions</li> <li>Loci</li> <li>Bearings</li> </ul>										