



Autumn 1 – Year 9	Autumn 2 – Year 9	Spring 1 – Year 9	Spring 2 – Year 9	Summer 1 – Year 9	Summer 2 – Year 9
Maths – OA-CAM	Maths – OA-CAM	Maths – OA-CAM	Maths – OA-CAM	Maths – OA-CAM	Maths – OA-CAM
<p>Number</p> <ul style="list-style-type: none"> ➤ Properties of number and place value ➤ Confidently using the four operations in functional problems ➤ Calendar and time <p>ELC component 1, 2 and 5</p>	<p>Algebra</p> <ul style="list-style-type: none"> ➤ Collecting like terms ➤ Expanding brackets ➤ Substitution 	<p>Number</p> <ul style="list-style-type: none"> ➤ Fractions, decimals and percentages – calculations and conversions <p>ELC component 3 and 4</p>	<p>Geometry & Measure</p> <ul style="list-style-type: none"> ➤ Perimeter ➤ Area ➤ Volume ➤ Functional problems involving geometry and measure <p>ELC component 6 and 7</p>	<p>Probability & Statistics</p> <ul style="list-style-type: none"> ➤ Constructing and interpreting charts and graphs ➤ Simple probability <p>ELC component 8</p>	<p>Ratio</p> <ul style="list-style-type: none"> ➤ Sharing in a given ratio ➤ Similarity and congruency in triangles



Autumn 1 – Year 10	Autumn 2 – Year 10	Spring 1 – Year 10	Spring 2 – Year 10	Summer 1 – Year 10	Summer 2 – Year 10
Maths – OA-CAM	Maths – OA-CAM	Maths – OA-CAM	Maths -OA-CAM	Maths – OA-CAM	Maths – OA-CAM
<p>Number</p> <ul style="list-style-type: none"> ➤ Place value ➤ Factors ➤ Multiples ➤ Operations with negative numbers ➤ Multiplying/dividing ➤ Decimals <p>Algebra</p> <ul style="list-style-type: none"> ➤ Simplifying expressions ➤ Multiplying out brackets ➤ Factorising <p>Graphs, tables, charts</p>	<p>Fractions percentages</p> <ul style="list-style-type: none"> ➤ Operations with fractions and percentages <p>Angles</p> <ul style="list-style-type: none"> ➤ Measuring ➤ Constructing ➤ Calculating missing angles ➤ Angles in parallel lines <p>Ratio and Proportion</p> <ul style="list-style-type: none"> ➤ Simplifying ratios ➤ Sharing in a given ratio 	<p>Perimeter Area Volume 1</p> <ul style="list-style-type: none"> ➤ Calculations with perimeter ➤ Area ➤ Volume of rectangles ➤ Parallelograms ➤ Trapezium ➤ Prisms <p>Graphs</p> <ul style="list-style-type: none"> ➤ Plotting and reading coordinates ➤ Plotting linear graphs ➤ Calculating gradients 	<p>Probability</p> <ul style="list-style-type: none"> ➤ Using a probability scale ➤ Calculating theoretical probability ➤ Calculating the probability of an event not happening <p>Equations, inequalities and Sequences</p> <ul style="list-style-type: none"> ➤ Solving equations using function machine and balancing method ➤ Representing inequality on a number line ➤ Generating sequences 	<p>Transformations</p> <ul style="list-style-type: none"> ➤ Reflecting shapes ➤ Rotational symmetry ➤ Rotating shapes using a centre of rotation ➤ Translations ➤ Enlargement <p>Averages and Range</p> <ul style="list-style-type: none"> ➤ Mode ➤ Median ➤ Mean ➤ Range ➤ Problem solving with averages 	<p>Constructions</p> <ul style="list-style-type: none"> ➤ Constructing angles and triangles <p>Congruence, similarity, vectors</p> <ul style="list-style-type: none"> ➤ Understanding similarity, congruency and recognising column vectors ➤ Add, subtract using column vector



	<ul style="list-style-type: none">➤ Solving problems➤ Involving proportion				
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Autumn 1 – Year 11	Autumn 2 – Year 11	Spring 1 – Year 11	Spring 2 – Year 11	Summer 1 – Year 11	Summer 2 – Year 11
Maths – OA-CAM	Maths – OA-CAM	Maths – OA-CAM	Maths -OA-CAM	Maths – OA-CAM	Maths – OA-CAM
<p>Fraction, indices, standard form</p> <ul style="list-style-type: none"> ➤ Multiplying /dividing fractions ➤ Rules of indices ➤ Standard form ➤ Calculations with standard form <p>Quadratic equations and graphs</p> <ul style="list-style-type: none"> ➤ Multiplying out brackets ➤ Factorising quadratics ➤ Solving quadratic equations 	<p>Multiplicative reasoning</p> <ul style="list-style-type: none"> ➤ Calculating percentages using a multiplier ➤ Compound measures: speed and density <p>Angles</p> <ul style="list-style-type: none"> ➤ Solving problems involving parallel lines, triangles, about a point and line 	<p>Perimeter, area, Volume 2</p> <ul style="list-style-type: none"> ➤ Calculations with circular shapes and pyramids <p>More Algebra (graphs)</p> <ul style="list-style-type: none"> ➤ Recognising and plotting graphs ,using graphs to solve equations 	<p>Probability</p> <ul style="list-style-type: none"> ➤ Theoretical and experimental probability ➤ Probability tree ➤ Venn diagrams <p>Equations, inequalities, Sequences</p> <ul style="list-style-type: none"> ➤ Solving equations with fractions ➤ Solving inequalities ➤ Describing sequences <p>Loci, Bearings</p> <ul style="list-style-type: none"> ➤ Constructing loci ➤ Drawing and measuring bearings ➤ Solving problems with loci and bearings 	Revision/Exams	Revision/Exams



<p>➤ Plotting quadratic graphs</p>	<p>Right angled triangles</p> <ul style="list-style-type: none">➤ Pythagoras Theorem➤ Finding missing sides and angles➤ Trigonometric ratios				
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