

Year 9	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content	<p>The data handling cycle</p> <ul style="list-style-type: none"> - Pie charts, two-way tables, frequency trees, pictograms - Line and bar charts - Find and interpret the range <p>Solving equations & Inequalities</p> <ul style="list-style-type: none"> - Expand brackets and simplify - Form and solve multi-step equations algebraically - Form and solve inequalities algebraically 	<p>Rounding</p> <ul style="list-style-type: none"> - Significant figures - Decimal places - Truncation - Error intervals - Bounds <p>Powers, roots and standard form</p> <ul style="list-style-type: none"> - laws of indices - converting between ordinary numbers and standard form - calculations with standard form <p>Numeracy skills</p> <ul style="list-style-type: none"> - place value - BODMAS - HCF and LCM - Product rule for counting 	<p>Area and perimeter</p> <ul style="list-style-type: none"> - Area and perimeter of all 2D shapes - Converting between metric units of length and area - Using bounds <p>Angles and bearings</p> <ul style="list-style-type: none"> - Angle facts - Calculating missing angles - Parallel lines - Polygons - Construction using bearings - Calculating bearings <p>Expanding brackets, simplifying and quadratics</p> <ul style="list-style-type: none"> - Expanding single and double brackets - Factorising - Solving quadratic equations algebraically - Plotting and solving quadratic graphs 	<p>Graphs</p> <ul style="list-style-type: none"> - Drawing linear graphs - Equations of lines - Solving simultaneous linear equations graphically - Perpendicular and parallel lines <p>Fractions</p> <ul style="list-style-type: none"> - Equivalent fractions - Calculations with fractions - Mixed numbers and improper fractions - Converting between fractions, decimals & percentages <p>Pythagoras' Theorem</p> <ul style="list-style-type: none"> - calculating missing sides of right-angled triangles - 3D problems 	<p>Sequences</p> <ul style="list-style-type: none"> - Finding next terms - Identifying difference - nth term of linear and quadratic sequences - Special sequences <p>Probability</p> <ul style="list-style-type: none"> - Probability scale - Listing outcomes - Calculating probabilities - Experimental probability - Two-way tables - Venn diagrams <p>Trigonometry</p> <ul style="list-style-type: none"> - Trigonometric ratios - Solving 3D problems - Trigonometric graphs - Exact trig. ratios of common angles - Sine rule - Cosine rule - Calculating area 	<p>Percentages</p> <ul style="list-style-type: none"> - Writing an amount as a percentage of another amount - Calculating percentages - Increase and decrease - Reverse percentages <p>Revision</p> <p>Gap fill after Summer assessment</p>

