



# YEAR 9 CURRICULUM SUMMARY





When?	Chapter	Key Learning Objectives/ Key Questions	Unit Assessments (End of Chapter tests
HALF TERM 2	<b>Ch 3: Statistics: diagrams &amp; averages</b>	<ul style="list-style-type: none"><li>• draw and interpret pie charts</li><li>• draw and interpret line graphs</li><li>• solve problems that use averages</li><li>• calculate averages from frequency tables</li><li>• draw scatter diagrams and lines of best fit.</li></ul>	<b>EOC 3: Statistics: diagrams &amp; averages</b> Pie charts, line graphs, scatter graphs, line of best fit
	<b>Ch 6: Geometry &amp; Measure: Angles</b>	<ul style="list-style-type: none"><li>• find angles on a line and around a point</li><li>• find angles in a triangle and in any polygon</li><li>• calculate angles in parallel lines</li><li>• calculate interior and exterior angles in polygons</li><li>• read scale maps and drawings</li><li>• use bearings.</li></ul>	<b>EOC 6: Geometry &amp; Measure: Angles</b> Angles on a line, about a point, in a triangle, in a polygon, in parallel lines, exterior & interior angles in polygons. Scale drawings & bearings
HALF TERM 3	<b>Ch 8: Algebra: manipulation</b>	<ul style="list-style-type: none"><li>• substitute numbers into expressions and formulae</li><li>• simplify expressions by collecting like terms</li><li>• expand and factorise expressions</li><li>• expand two or more binomials</li><li>• factorise quadratic expressions</li><li>• rearrange formulae.</li></ul>	<b>EOC 8: Algebra: manipulation</b> Substitution, simplify, expand, factorise, factorise quadratics, rearrange formula



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HALF TERM 4	<b>Ch 10: Algebra: Linear Graphs</b>	<ul style="list-style-type: none"><li>• draw a straight-line graph from its equation</li><li>• find the equation of a linear graph</li><li>• read information from a conversion graph</li><li>• use graphs to find formulae and solve simultaneous linear equations</li><li>• draw linear graphs parallel or perpendicular to other lines.</li></ul>	<b>EOC 10: Algebra: Linear Graphs</b> Draw $y=mx + c$ , find equation of linear graph, conversion graph, solve simultaneous equations graphically, parallel & perpendicular lines
	<b>Ch 5: Ratio: proportion &amp; rates of change</b>	<ul style="list-style-type: none"><li>• know what a ratio is</li><li>• divide an amount according to a given ratio</li><li>• solve problems involving direct proportion</li><li>• compare prices of products</li><li>• calculate compound measures (rates of pay, speed, density, pressure)</li><li>• calculate compound interest and repeated percentage change</li><li>• calculate a reverse percentage.</li></ul>	<b>EOC 5: Ratio: proportion &amp; rates of change</b> Divide in given ratio, direct proportion, best buys, compound measures, compound interest, repeated percentage change, reverse percentage





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HALF TERM 6	<b>Ch 4: Algebra: Number &amp; sequences</b>	<ul style="list-style-type: none"><li>• recognise rules for sequences</li><li>• express a rule for a sequence, in words and algebraically</li><li>• generate the terms of a linear and quadratic sequence, given a formula for the <math>n</math>th term</li><li>• find the <math>n</math>th term of a linear and quadratic sequence</li><li>• some common sequences of numbers.</li></ul>	<b>EOC 4: Algebra: Number &amp; sequences</b> Sequence rules, generate, express rule, $n$ -th term
	<b>Ch 11: Geometry &amp; Measure: Right angles triangles</b>	<ul style="list-style-type: none"><li>• use Pythagoras' theorem in right-angled triangles</li><li>• use Pythagoras' theorem to solve problems</li><li>• use Pythagoras' theorem in three dimensions</li><li>• use trigonometric ratios in right-angled triangles</li><li>• use trigonometry to solve problems.</li></ul>	<b>EOC 11: Geometry &amp; Measure: Right angles triangles</b> Pythagoras, Pythagoras in 3D, trig ratios