



# Westbury Academy Key Stage 4 Curriculum



## GCSE Mathematics

	AUTUMN A	AUTUMN B
YEAR 10	<p>Multiplying decimals</p> <p>Multiplying and dividing by powers of 10</p> <p>Using the number system effectively</p> <p>Writing numbers in standard form</p> <p>Plotting graphs of linear functions</p> <p>The equation of a straight line</p> <p>Using brackets</p> <p>Volume and surface area of cuboids</p>	<p>Converting between fractions, decimals and percentages</p> <p>Applying percentage increases and decreases to amounts</p> <p>Angles in triangles and quadrilaterals</p> <p>Angles and parallel lines</p> <p>Vertical line charts</p> <p>Pie charts</p> <p>Understanding nets</p> <p>2-D representations of 3-D shapes</p>
YEAR 11	<p>Multiplying fractions)</p> <p>Dividing fractions</p> <p>Enlargement in 2 and 3 dimensions</p> <p>Solving equations with brackets</p> <p>Bearings</p>	<p>Sharing in a given ratio</p> <p>Scale drawing</p> <p>Constructions</p> <p>Using frequency tables</p> <p>Using grouped frequency tables</p>
	SPRING A	SPRING B
YEAR 10	<p>Setting up and solving simple equations</p> <p>Working with more complex equations</p> <p>Dividing decimals</p> <p>Adding and subtracting fractions</p> <p>Working with mixed numbers</p> <p>Finding area and perimeter</p> <p>Volume and surface area of cuboids</p> <p>Prisms</p>	<p>Multiplying fractions</p> <p>Single event probability</p> <p>Combined events</p> <p>Rotation</p> <p>BIDMAS</p> <p>Writing numbers in standard form</p> <p>Plotting quadratic and cubic graphs</p>
YEAR 11	<p>Approximating</p> <p>Compound units</p> <p>Translations</p> <p>Real life graphs</p> <p>Working with proportional quantities</p>	<p>Congruent triangles</p> <p>Finding the percentage change from one amount to another</p> <p>Estimating probability)</p>



# Westbury Academy Key Stage 4 Curriculum



## GCSE Mathematics

	SUMMER A	SUMMER B
YEAR 10	Circumference Area of circles Enlargement Linear sequences Special sequences	Rounding decimals Significance Types of quadrilaterals Angles in a polygon The equation of a straight line Plotting quadratic and cubic graphs
YEAR 11	Revision	Examination
	<b>ADDITIONAL COURSE INFORMATION</b>	
	Pupils will be studying OCR GCSE Mathematics 1-9.  School pays for pupil access to <a href="http://www.mymaths.co.uk">www.mymaths.co.uk</a> . This is a really useful website to help improve understanding and help with revision.	