



Long Term Plan Maths Year 11

Here is an outline of what we plan to study in year 11 Maths lessons. Our Medium and Short Term Plans highlight where we promote cross curricular links, British Values, SMSC and links to Careers and Employability.

Term One

All students will be made aware of the exam board that they are entered for with their mainstream school. The exam style questions that they answer will be differentiated according to the exam board they are using as they are all structured differently, although the skills required remain the same.

GCSE Focus	Topic	Week	Learning
Algebra	Powers and Roots	1	Types of number, order of operations, powers and roots recap
Number	Factors	2	HCF, LCM and best buys recap alongside worded problems
Number	Prime factors	3	Product of prime factors
Algebra	Indices	4	Laws of indices recap
Number	Percentages	5	Percentages recap
Number	Percentages	6	Reverse percentages and percentage change
Ratio, proportion and rates of change	Ratio	7	Ratio recap
Number	Money	8	Money problems including fractions, percentages and ratio
HALF TERM			
Geometry and measure	Angles	1	Angles recap
Statistics	Pie Charts	2	Commence using parts of exam papers once a week Statistical diagrams- drawing pie charts
Algebra	Algebra	3	Algebra skills recap- simplify, expand, factorise, solve, substitute
Algebra	Equations	4	Form and solve equations

Statistics	Statistical diagrams	5	Statistical diagrams recap- bar charts, pictograms, scatter graphs and pie charts
Algebra	Sequences	6	Sequences recap
Statistics	Averages	7	Averages and range recap

Term Two

Students will sit their final mock exam under exam conditions which will inform staff on gaps in learning and knowledge/skills in order for a personalised revision programme to be put in place during their final term spent at Vega College.

GCSE Focus	Topic	Week	Learning
Statistics	Graphs	1	Plotting graphs recap
Probability	Probability	2	Probability recap and Venn diagrams
Number	Fractions	3	Fraction skills recap- shade, of an amount, equivalence, mixed numbers, $+$ / $-$, \times / \div
Number	Worded problems	4	Worded problems (not money) with percentages, fractions and ratio
Geometry	Vectors	5	Column vectors- drawing and calculations
Geometry	Shapes Transformations	6	Naming shapes, rotational and reflectional symmetry Transformations recap- translation, rotation, reflection and enlargement
HALF TERM			
Number	Standard form	1	Standard form- converting to and from Pythagoras if appropriate for students
Revision	Consolidation	2	<i>Teacher choice based on AfL</i>
Revision	Consolidation	3	<i>Teacher choice based on AfL</i>
Revision	Consolidation	4	<i>Teacher choice based on AfL</i>

Term Three

Subject	Topic	Week	Learning
Revision	Consolidation	1	<i>Teacher choice based on Afl</i>
Revision	Consolidation	2	<i>Teacher choice based on Afl</i>
Revision	Consolidation	3	<i>Teacher choice based on Afl</i>
Revision	Consolidation	4	<i>Teacher choice based on Afl</i>
Revision	Consolidation	5	<i>Teacher choice based on Afl</i>
Revision	Consolidation	6	<i>Teacher choice based on Afl</i>