

Year 11 Scheme of Work Details

Foundation Scheme

This sets out the details of what you should study each term. Do bear in mind that your teacher may choose to mix these topics up or change how long they spend on topics in order to make sure that you understand everything as fully as you need to.

Term 1 (September to Christmas)	Term 2 (Christmas to Easter)	Term 3 (Easter to Summer)
<ul style="list-style-type: none">• Transformations and Vectors – Reflection, Rotation, Enlargement, Translation.• Understanding Products – Indices, Primes, Standard Form.• Sampling and Data Collecting – Sampling, Questionnaires.• Non-Linear graphs – Drawing graphs, recognising graphs.• Polygons – Quadrilaterals, Area, Angles.• Probability of two or more events – sample spaces, Venn diagrams, tree diagrams.	<ul style="list-style-type: none">• Forming equations – Algebra and shape, algebra and real life.• Polyhedra – 3D representations, Surface Area, Volume.• Number problems – Growth and decay, percentages.• Graphical problem solving – travel graphs, proportional graphs.• Numerical Data – Time series, averages, Grouped data, scatter graphs.• Curved shapes – Circles, cylinders.	<ul style="list-style-type: none">• Estimation and the limits of accuracy – Errors and inequalities.

Your teacher will be able to tell you whether you are following Foundation Scheme, Higher Scheme or Higher + Scheme.

Year 11 Scheme of Work Details

Higher Scheme

This sets out the details of what you should study each term. Do bear in mind that your teacher may choose to mix these topics up or change how long they spend on topics in order to make sure that you understand everything as fully as you need to.

Term 1 (September to Christmas)	Term 2 (Christmas to Easter)	Term 3 (Easter to Summer)
<ul style="list-style-type: none">• Number Problems – Growth and Decay, Percentages, Accuracy.• Iterative methods – Solving equations, recurrence.• Curved Shapes – Circles, volume and surface area.• Sampling and Data collecting- Sampling, Questionnaires.• Forming equations – algebra and shape, algebra and real life.• Pythagoras and Trigonometry – Right-angled Pythag and Trig, exact trig ratios, 3D work.	<ul style="list-style-type: none">• Rational and Irrational numbers – Fractions, decimals, surds.• Non-Linear graphs – Drawing, recognising, quadratics.• Proportion and graphs – Proportional relationships, rates of change.• Grouped numerical data – Averages, cumulative frequency, histograms.• Graphical Problems solving – travel graphs, exponential graphs.• Iterative processes – applying iteration.	

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Year 11 Scheme of Work Details

Higher+ Scheme

This sets out the details of what you should study each term. Do bear in mind that your teacher may choose to mix these topics up or change how long they spend on topics in order to make sure that you understand everything as fully as you need to.

Term 1 (September to Christmas)	Term 2 (Christmas to Easter)	Term 3 (Easter to Summer)
<ul style="list-style-type: none">• Probability – Venn diagrams, tree diagrams.• Algebraic proportion – expressing relationships, solving problems.• Iterative methods – Solving equations, recurrence.• Accurate and inaccurate diagrams – Loci, bearings, similarity, congruence, circle theorems.• Proportion and graphs – proportional relationships, rates of change.• Trigonometry in non-right triangles – Sine and Cosine rule, Area and trigonometry.	<ul style="list-style-type: none">• Algebraic problem solving – algebraic fractions, simultaneous equations, linear programming.• Graphical problem solving – travel graphs, exponential graphs.• Iterative processes – applying iteration.• Coordinate geometry – Line and algebra, circles and algebra, graphical transformations.	

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