



Mathematics

FOUNDATION STAGE

YEAR 7 FOUNDATION	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Arithmetic methods, Place value & ordering, Rounding & Estimation, Forming & solving equations, Expanding & simplifying	Types of number, Factors & Primes, Decimal calculations, Unit conversions, Properties of shapes, Perimeter &, Area, Co-ordinates	Percentages, Equivalence, Averages & range	Project presentations Recording & presenting data, Measure & drawing angles, Missing angles, Time & Speed	Fractions, Ratio & Proportion	Transformations, Nets of 3D shapes & Volume, Probability
SKILLS	Fluency in approximations and arithmetic procedures, Algebraic manipulation	Multiplicative relationships, Appreciation of measures & mensuration, Recall and application of geometric formulae, Graphing	Understanding of percentage & percentage change, converting between fractions, decimals and percentages, Calculate mean, mode, median & range	Speaking and presenting skills Interpret and draw statistical diagrams, using mathematical equipment effectively, reading times & interpreting SDT scenarios	Understanding equivalence and calculations with fractions, Simplifying & sharing ratios, Using proportional reasoning	Perform transformations of 2D shapes, Draw 3D objects and their nets, Understanding volume as a measure of capacity, Likelihood & probabilities of single events
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 Autumn Exam (December)	Extended Learning Project	Unit Assessment 4	Unit Assessment 5 End of Year Exams (May)	Unit Assessment 6
USEFUL RESOURCES/GUIDANCE: http://www.mymaths.co.uk https://www.bbc.com/education/subjects/zqhs34j						



Curriculum & Assessment Map

YEAR 7 INTERMEDIATE	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Arithmetic methods, Place value & ordering, Expanding & simplifying, Forming & solving equations	Rounding & Estimation, Decimal calculations, Properties of shapes, Perimeter & Circumference, Area incl. circles, Co-ordinates	Percentages, Equivalence, Averages & range	Project presentations Recording & presenting data, Missing angles & polygons, Compound measures	Fractions, Ratio & Proportion	Transformations, Nets of 3D shapes & Volume, Probability
SKILLS	Fluency with arithmetic procedures, Algebraic manipulation	Fluency in approximations and arithmetic procedures, Recall and application of geometric formulae	Understanding of percentage & percentage change, converting between fractions, decimals and percentages, Calculate mean, mode, median & range	Speaking and presenting skills Interpret and draw statistical diagrams, Recall and application of geometric facts	Understanding equivalence and calculations with fractions, Simplifying & sharing ratios, Using proportional reasoning	Perform transformations of 2D shapes, Draw 3D objects and their nets, Recall and application of volume formulae, Likelihood & probabilities of single events
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 Autumn Exam (December)	Extended Learning Project	Unit Assessment 4	Unit Assessment 5 End of Year Exams (May)	Unit Assessment 6
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Curriculum & Assessment Map

YEAR 7 HIGHER	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Place value & order, Unit conversions, Negatives, Simplifying, solving & substitution	Types of number, Fractions, Perimeter & Circumference, Area incl. circles, Equations of straight lines & Midpoints	Percentages, Equivalence, Averages & range	Project presentations Recording & presenting data, Missing angles & polygons, Compound measures	Standard form, Ratio & Proportion	Transformations, Nets of 3D shapes & Volume, Probability
SKILLS	Fluency with arithmetic procedures, Appreciation of measures & mensuration, Fluency with negative number calculations, Algebraic manipulation	Multiplicative relationships, Recall and application of geometric formulae, Graphing and interpreting co-ordinates	Understanding of percentage & percentage change, converting between fractions, decimals and percentages, Calculate mean, mode, median & range	Speaking and presenting skills Interpret and draw statistical diagrams, Recall and application of geometric facts	Standard form conversions, Simplifying & sharing ratios, Using proportional reasoning	Perform transformations of 2D shapes, Draw 3D objects and their nets, Recall and application of volume formulae, Likelihood & probabilities of single events
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 Autumn Exam (December)	Extended Learning Project	Unit Assessment 4	Unit Assessment 5 End of Year Exams (May)	Unit Assessment 6
USEFUL RESOURCES/GUIDANCE: http://www.mymaths.co.uk https://www.bbc.com/education/subjects/zqhs34j						



Curriculum & Assessment Map

YEAR 8 INTERMEDIATE	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Place value & order, Simplifying & solving, Missing angles & polygons	Factors, powers & roots, Negatives, Perimeter & Area, Averages & range, Substitution & sequences	Fractions, Speed-Distance-Time, Volume & Surface Area	Scale drawings, Equations of straight lines, Midpoints, Unit conversions, Percentages	Ratio & Proportion, Transformations	Constructions & bisectors, Real-life graphs, Recording & presenting data, Probability
SKILLS	Fluency with arithmetic procedures, Rounding & estimation, Algebraic manipulation, Recall and application of geometric facts	Multiplicative relationships, Fluency with negative number calculations, Applying formulae for area & perimeter, incl. circles, Calculate mean, mode, median and range, Algebraic manipulation	Calculations with fractions, Measure and draw bearings, Interpreting SDT scenarios, Recall and application of formulae for volume and surface area of prisms	Appreciation of measures and mensuration, Graphing and interpreting co-ordinates, Understanding of percentage & percentage change	Simplifying & sharing with ratios, Proportional reasoning, Perform transformations of 2D shapes	Using mathematical equipment effectively, Graphing, Interpret and draw statistical diagrams, Likelihood & probabilities of single events
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 Autumn Exam (December)	Unit Assessment 4	Extended Learning Project	Unit Assessment 5 End of Year Exams (May)	Unit Assessment 6
YEAR 8 HIGHER	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Place value & order, Simplifying & solving, Missing angles & polygons	Factors, powers & roots, Negatives, Recording & presenting data, Substitution & sequences, Speed-Distance-Time	Fractions, Scale drawings & bearings, Perimeter & Area	Probability, Volume & Surface Area, Percentages	Constructions & bisectors, Ratio & Proportion, Transformations	Averages & range, Real-life graphs, Equations of straight lines, Midpoints, Index laws & Standard form, Pythagoras Theorem
SKILLS	Fluency with arithmetic procedures, Rounding & estimation, Algebraic manipulation, Recall and application of geometric facts	Multiplicative relationships, Fluency with negative number calculations, Interpret and draw statistical diagrams, Algebraic manipulation, Interpreting SDT scenarios	Calculations with fractions & mixed numbers, Measure and draw bearings, Recall and application of formulae for area & perimeter of 2D shapes incl. circles	Likelihood & probabilities of single events, Recall and application of formulae for volume and surface area of prisms, Understanding of percentage & percentage change	Using mathematical equipment effectively, Simplifying & sharing with ratios, Proportional reasoning, Perform transformations of 2D shapes	Calculate mean, mode, median and range, Graphing and interpreting co-ordinates, Standard form conversions, Finding the hypotenuse in right angled triangles
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 AUT Exam (DEC)	Unit Assessment 4	Extended Learning Project	Unit Assessment 5 End of Year Exams (MAY)	Unit Assessment 6
USEFUL RESOURCES/GUIDANCE: http://www.mymaths.co.uk https://www.bbc.com/education/subjects/zqhs34j						



Curriculum & Assessment Map

EXAMINATION STAGE

YEAR 9 FOUNDATION	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Arithmetic methods, Estimation, Factors, multiples & primes, Simplifying, expanding & factorising	Factorising Quadratics, Re-arranging formulae, Missing angle problems, Equations of straight lines	Ratio, Direct proportion, Powers and roots, Calculator problems	Standard form, Frequency tables and Statistical diagrams, Averages and range	Fractions, Equivalence, Percentages	Unit conversions, scale drawings & bearings, 3D shapes, Speed-Distance-Time
SKILLS	Fluency with arithmetic procedures, Algebraic manipulation	Algebraic manipulation Recall and application of geometric facts, Graphing	Simplifying ratios, sharing into ratios, solving problems using proportional reasoning, Using a calculator effectively	Calculations with numbers in Standard form, Interpret and draw statistical diagrams, Calculate mean, mode, median and range	Calculations with fractions, converting between fractions, decimals and percentages, Understanding of percentage & percentage change	Conversions between metric units of length, weight and capacity, Measure and draw bearings, draw 3D objects and their nets, Interpreting SDT scenarios
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 Autumn Exam (December)	Unit Assessment 4	Spring Exam (March)	Unit Assessment 5	Summer Exam (June)
YEAR 9 HIGHER	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Arithmetic methods, Factors, multiples & primes, Fractions, Percentages, Ratio & proportion	Compound measures, Interest, Sequences & nth term, Statistical diagrams, Averages and range	Missing angles, Angles in Polygons, Scale drawings & bearings, Expanding and factorising quadratics, Re-arranging formulae	Congruency, transformations, Loci, 3D shapes, Standard form	Area & circumference, Sectors, Volume & Surface Area, Equations of straight lines, Real-life graphs	Pythagoras' Theorem, Trigonometry, Applications of right-angled triangles
SKILLS	Fluency with arithmetic procedures, Calculations with fractions, understanding of percentage & percentage change, sharing into ratios, Solving problems using proportional reasoning	Recall and application of formulae for Speed, Density and Pressure, evaluate simple and compound interest, Derive and apply the nth term formula of sequences, Interpret and draw statistical diagrams, Calculate mean, mode, median and range	Recall and application of geometric facts, Measure and draw bearings, Algebraic manipulation	Identify congruency in triangles, Perform and describe transformations of 2D shapes, using mathematical equipment effectively, Draw 3D from different perspectives, Calculations with numbers in standard form	Recall and application of formulae for area and perimeter of 2D shapes and circles, Recall and application of formulae for volume and surface area of 3D shapes, Graphing and co-ordinate plotting	Finding the hypotenuse and other sides in right angled triangles, Find missing angles and sides in right-angled triangles, Application of Pythagoras and Trigonometry to different contexts
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 Autumn Exam (December)	Unit Assessment 4	Spring Exam (March)	Unit Assessment 5	Summer Exam (June)
USEFUL RESOURCES/GUIDANCE:						
Collins GCSE 9-1 Revision - GCSE 9-1 Maths Foundation Revision Guide (ISBN: 978-0-00-811259-2) / Higher Revision Guide (ISBN: 978-0-00-811260-8)						
http://www.mathsgenie.co.uk						
http://www.mymaths.co.uk						
http://www.corbettmaths.com						
https://www.bbc.com/education/examspecs/z9p3mnb						



Curriculum & Assessment Map

YEAR 10 FOUNDATION	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Perimeter and area. Transformations. Probability and events.	Probability and events. Volumes and surface areas of prisms. Percentages and compound measures.	Linear equations. Percentage and variation.	Statistics: representation and interpretation. Construction and loci. Curved shapes and pyramids.	Curved shapes and pyramids. Number work – HCF and LCM. Algebra. Number work.	Algebra. Number work. Direct proportion. Inverse proportion. Vectors.
SKILLS	Calculate perimeter and areas of 2D shapes and compound shapes. Use and calculate probability scale and the language of probabilities.	Calculate the probability of an outcome. Calculate surface area and volumes of 3D shapes. Convert percentage into decimal/fraction and vice versa. Calculate rate of pay, density, pressure.	Able to solve simple linear equation, Calculate simple and compound interest in worded problems.	Draw and interpret pictograms, bar charts and line graphs. Construct accurate drawings using compasses, a protractor and a straight edge.	Use formula to calculate length of an arc, area and angle of a sector. Also volume and surface area of cone, sphere and Pyramids. Find HCF and LCM using prime factor decomposition.	Recognise graphs and constant of proportionality. Able to represent vectors and add and subtract vectors.
ASSESSMENT	Unit assessment 1 Unit assessment 2	Unit assessment 3 Unit assessment 4	Unit assessment 5 Unit assessment 6	Unit assessment 7 Unit assessment 8	Unit assessment 9 Unit assessment 10	End of year exam
YEAR 10 HIGHER	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Similarity. Exploring and applying probability. Powers and standard form. Basic number work and fractions. Percentages	Data. Speed/distance/time-formula, Nth Term – Linear and quadratic. Linear graphs. Linear equations and inequalities. Simultaneous equations. Factorising – linear and quadratic expressions.	Quadratic curves. Ratio, direct proportion, best buys, ratio problems. Inequalities. Counting accuracy, power. Quadratic equations.	Sampling and further statistical diagrams. Scale drawings and bearings. Constructions and loci. Angles with Polygons.	Trigonometry. Pythagorean theorem. Probability. Proportion. Transformations. Plans and elevation sectors. Graphs.	Circle theorems. Volume. Surds.
SKILLS	Show two triangles are similar and work out scale factor, calculate experimental probabilities and relative frequencies, calculations using powers and using numbers in standard form. Recall basic fractions and percentages calculations in worded problems.	Know and apply, formula for density, pressure, speed and rate of pay in worded problems. Find the nth term for linear and quadratics. Manipulation of algebra to draw linear graphs, solve equations and factorise.	Plot quadratic curves and graphing inequalities to find the region. Solve quadratics by factorising, completing the square and using formula. Interpret and solve worded problems in best buys.	Understand different methods of sampling and bias, Draw and Interpret frequency polygons, box plots cumulative frequency. Read scale drawing and maps, use bearings to specify direction. Calculate interior and exterior angles of a regular polygons.	Finding the hypotenuse and other sides in right angled triangles, Find missing angles and sides in right-angled triangles, Application of Pythagoras and Trigonometry to different contexts	Prove and use circle theorems to work out angles created in a circle from points on the circumference. Calculate volume of prisms, Simplify surds.
ASSESSMENT	Unit assessment 1 Unit assessment 2	Unit assessment 3 Unit assessment 4	Unit assessment 5 Unit assessment 6	Unit assessment 7 Unit assessment 8	Unit assessment 9 Unit assessment 10	End of year exam
USEFUL RESOURCES/GUIDANCE:						
Collins GCSE 9-1 Revision - GCSE 9-1 Maths Foundation Revision Guide (ISBN: 978-0-00-811259-2) / Higher Revision Guide (ISBN: 978-0-00-811260-8)						
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Curriculum & Assessment Map

YEAR 11 FOUNDATION	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Sequences, Special sequences (Geometric & Fibonacci). Pythagoras' Theorem, Trigonometric ratios, solving problems using trigonometry. Congruent triangles, Similarity.	Combined events (two-way table), Probability, Powers (indices), Rules of multiplying and divide powers, standard form, Simultaneous Equations.	Simultaneous Equations, Linear Inequalities, Non-Linear graphs (Distance-time, quadratic), Solving quadratic equation by factorisation. Cubic and reciprocal graphs,	Angles in parallel lines and bearings. Linear graphs and equations. Finding equation of line from its graphs. Equation of parallel lines. Real life uses of graphs. Speed/Distance/Time graphs. Direct proportion problems (Best buys). Transformation.	Vectors, Misrepresenting data and outliers. Plans and Elevations, Circle Nomenclature, Upper and lower bounds. Limits of Accuracy (Error Interval)	Study Leave
SKILLS	Recognise and continue some special sequences, Finding the hypotenuse and other sides in right- angled triangles, find missing angles and sides in right-angled triangles, Application of Pythagoras and Trigonometry to different contexts, Demonstrate and prove that two triangles are congruent.	Read two-way tables and use them to work out the probabilities. Calculations with numbers in Standard form. Solve simultaneous equations algebraically.	Solve simultaneous equations algebraically. Solve simple linear inequalities and represent on number line. Factorise to solve quadratics graphs. Recognise and plot cubic and reciprocal graphs.	Know and apply angle facts to calculate angles. Draw and interpret straight line graphs, use straight line graph to work out the formula. Know and perform 4 types of transformations.	Able to represent vectors, add and subtract vectors. Interpret diagrams to draw plans and elevations. Naming parts of the circle. Rounding to given accuracy.	
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 Mock Exam	Unit Assessment 4 Unit Assessment 5	March Mock Exam	April Mock Exam	Final GCSE Exam
USEFUL RESOURCES/GUIDANCE: Collins GCSE 9-1 Revision - GCSE 9-1 Maths Foundation Revision Guide (ISBN: 978-0-00-811259-2) http://www.mathsgenie.co.uk http://www.mymaths.co.uk http://www.corbettmaths.com https://www.bbc.com/education/examspecs/z9p3mnb						



Curriculum & Assessment Map

YEAR 11 HIGHER	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Algebraic Fractions, Vectors, Venn Diagrams Rates of Change	Solving Equations using graphs one liner and one non - linear, Solving Quadratic equation by algebraically and by factorising and method of intersection. Simultaneous equation one linear and non - linear. Linear graphs parallel and perpendicular. Equation of a circle.	Surds, recurring decimals, Sine and Cosine rule, Construction and bearings. Graphical inequalities, Statistical measures.	Limit of Accuracy- Upper and lower bounds. Graphs- estimating the area under the curve. Areas and Volumes of similar shapes. Transformation of Graphs	Circle Theorems, Histograms, Congruent Triangles.	Study Leave.
SKILLS	Simplify and manipulate algebraic expression including those involving surds and algebraic fraction. Manipulate vectors to solve geometrical problems. Draw a tangent at a point on a curve and use it work out the gradient at a point.	Be able to draw graphs and use algebraic manipulative skills to solve pair of simultaneous equation.	Calculate and manipulate surds, including rationalising denominator. Use the sine rule and cosine rule to work out sides and angles in any triangle. Solve bearing problems using trigonometry. Find a region that satisfy more than one graphical inequalities.	Find error interval or limit of accuracy. Use areas of rectangles, triangles and trapezium to estimate area under a curve. Interpret the meaning of area under the curve, know the area, length and volume scale factor to solve problems. Know the functions $f(x)$, $f(2x)$, $2f(x)$, $f(x+1)$. $f(x) + 1$. Translation of trig graphs (sin, cos and tan)	Prove and use circle theorems to work out angles created in a circle from points on the circumference. Draw and interpret histograms. Demonstrate and prove that two triangles are congruent.	
ASSESSMENT	Unit Assessment 1 Unit Assessment 2	Unit Assessment 3 December Mock Exam	Unit Assessment 4 Unit Assessment 5	March Mock Exam	April Mock Exam	Final GCSE Exam
USEFUL RESOURCES/GUIDANCE: Collins GCSE 9-1 Revision - GCSE 9-1 Maths Higher Revision Guide (ISBN: 978-0-00-811260-8) http://www.mathsgenie.co.uk http://www.mymaths.co.uk http://www.corbettmaths.com https://www.bbc.com/education/examspecs/z9p3mnb						



Curriculum & Assessment Map

ADVANCED STAGE

AS LEVEL MATHS						
YEAR 12	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Pure Bk1; Chap 1-5 Algebraic Expressions; Quadratics; Equations & Inequalities; Graphs & Transformations; Straight Line Graphs App Bk 1; Chap 1-3 Data Collection; Measures of Location & Spread Representation of Data	Pure Bk1; Chap 6-9, 11 Circles; Algebraic Methods Binomial Expansion; Trigonometric Ratio; Vectors App Bk 1; Chap 3-6 Correlation; Probability Statistical Distribution	Pure Bk1; Chap 10- 12,14 Trigonometric Identities & Equations; Differentiation Exponential & Logarithms App Bk 1; Chap 7,9 Hypothesis Testing; Modelling in Mechanics Constant Acceleration	Pure Bk1; Chap 12-14 Integration App Bk 1; Chap 9-10 Motion under gravity; Variable Acceleration; Forces & Motion	Pure Bk1; App Bk 1	Pure Bk2; Chap 1-4 Algebraic Methods Functions; Sequence & Series; Binomial Expansion
SKILLS	Manipulating Expressions and Equations; Analysing data	Manipulating Trig and Binomial; Statistical Analysis	Recall and Manipulate Identities and facts; Apply Statistical Reasoning	Manipulate Calculus; Apply Mechanical Reasoning	Practise Exam Paper Technique Time Management	Further Manipulating Expressions
ASSESSMENT	September Bridging Test	November Pure1 Red Chap 1-7	January Resit from November	February App 1 Red Chap 1-7	April Mock P1, P2	
A LEVEL MATHS						
YEAR 13	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Pure Bk2; Chap 1-6, 10,12 Radians; Trigonometric Functions; Numerical Methods; Vectors	Pure Bk1; Chap 6-9, 11 Circles; Algebraic Methods; Binomial Expansion; Trigonometric Ratio; Vectors App Bk 1; Chap 3-6 Correlation; Probability Statistical Distribution	App Bk2; Chap 1,2 4,5,6 Regression, Correlation; Hypothesis Testing; Conditional Probability; Moments Forces & Friction	App Bk2; Chap 2,3 6-8 Normal Distribution; Projectiles; Application of Forces; Further Kinematics	Pure Bk2; App Bk 2	Study Leave
SKILLS	Applying Algebraic Methods in Problems	Manipulating Trig and Binomial; Statistical Analysis	Apply Probability in real world scenarios	Further Application of Forces	Practise Exam Paper Technique Time management	
ASSESSMENT	September Pure 2 Red Chapters 1-4 Test	November Pure1 Red Chapters 1-7	January Resit from November	Feb App 2 Red Chap1, 2, 4-6 Test	Apr Mock P1, P2, P3	
USEFUL RESOURCES/GUIDANCE: Students are expected to do 3 hours per subject teacher per week of independent work – summarising class notes, past exam paper practice						



Curriculum & Assessment Map

FURTHER MATHS						
YEAR 12	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	Pure B1; Chap 1-14 Modelling in Quadratics Straight lines; Trigonometric Ratios and Identities Graphs & Transformation Circles Vectors Differentiation Algebraic Method Exponentials Integration Binomial App Bk 1; Chap 1-3 Data Collection, Representation of Data and Modelling	Pure Bk2; Chap 1 -6, 8 Algebraic Methods; Functions & Graphs; Radians; Sequence & Series; Trigonometric Functions; Binomial Expansion; Parametric Equations App Bk 1; Chap 4-7, 9,10,11 Location of spread; Distributions; Correlation; Hypothesis Testing; Probability; Constant Acceleration; Forces & Motion; Variable Acceleration	Pure B2; Chap 7-12 Trigonometry & Modelling; Numerical Methods; Vectors; Parametric Equations; Differentiation Integration App Bk 2; Chap 1-3 Regression and Correlation; Conditional Probability; Normal Distribution	App Bk 1; Chap 3-8 Normal Distribution Moments; Projectiles; Forces & Friction; Application of Forces; Further Kinematics	Pure Bk1/2; App Bk 1/2	Core Bk1; Chap 1-5 Complex Numbers; Argand Diagrams Series; Roots of Polynomials; Volumes of Revolution
SKILLS	Modelling Techniques from Lines, Quadratics and Graphs; Representing Data	Applying Algebraic Methods in Problems; Application of Forces in Motion	Manipulate Calculus; Apply Probability in real world scenarios	Application of Forces	Practise Exam Paper Technique Time management	Application of Complex; Numbers
ASSESSMENT	September Bridging Test	November	January Resit from Nov	February	April Mock P1, P2, P3	
USEFUL RESOURCES/GUIDANCE: Students are expected to do 3 hours per subject teacher per week of independent work – summarising class notes, past exam paper practice						



Curriculum & Assessment Map

FURTHER MATHS						
YEAR 13	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
CONTENT	CoreBk1; Chap 1-9 Matrices; Volume of Revolution; Vectors; Linear Transformations; Proof by Induction	Pure Bk2; Chap 1 -6, 8 Algebraic Methods; Functions & Graphs; Radians; Sequence & Series; Trigonometric Functions; Binomial Expansion; Parametric Equations App Bk 1; Chap 4-7, 9,10,11 Location of spread; Distributions; Correlation; Hypothesis Testing; Probability; Constant Acceleration; Forces & Motion; Variable Acceleration	App Bk2; Chap 1,2 4,5,6 Regression; Correlation; Hypothesis Testing; Conditional Probability Moments; Forces & Friction	Opt1-FM1; Chap 4-5 Elastic Collisions in 1 and 2 Dimension Opt2-FP1; Chap 6-9 Taylors Series Methods in Calculus; Numerical Methods; Reducible Differential Equations	Core Bk1/2; Opt Bk 1/2	Study Leave
SKILLS	Applying Proofs	Applying Algebraic Methods in Problems; Application of Forces in Motion	Apply Probability in real world scenarios	Further Mechanical Reasoning; Further Manipulation of Calculus	Practise Exam Paper Technique Time management	
ASSESSMENT	September Core1 Red Chap 1-5 Test	November	Jan Resit from Nov	February	April Mock C1, C2, Opt 1, Opt 2	
USEFUL RESOURCES/GUIDANCE: Students are expected to do 3 hours per subject teacher per week of independent work – summarising class notes, past exam paper practice						