Maths Curriculum						
Year 7	**Year 8**	**Year 9**	**Year 10**	**Year 11**	**Year 12**	**Year 13**
Calculating with Decimals Number laws Factors and multiples Order of operations Positive and negative numbers Expressions, equations and inequalities Angles Classifying 2D shapes Constructing triangles and quadrilaterals Co-ordinates Area of 2D shapes Transforming 2D figures Prime factor decomposition Conceptualising fractions Manipulating and calculating with fractions Ratio Percentages	Sequences Forming and Solving equations Forming and solving inequalities Linear graphs Accuracy and estimation Review of ratio Real life graphs Direct and inverse proportion Univariate data (?) Bivariate data Angles in polygons Bearings Circles Volume and surface area of prisms	Review calculations and properties of integers Review algebra basics Expanding brackets and factorising Review of fractions Review of angles Review and extend ratio and proportion Perimeter and area of shapes made up of circles Simplifying and multiplying surds Pythagoras theorem Review of univariate data Representing univariate data Review of linear equations Linear simultaneous equations Trigonometry right angle triangles Scale Drawing Review of bearings Review of bivariate data Parallel and perpendicular line co-ordinate geometry Review of real life graphs	Review and extend sequences Review and extend percentages Index laws Negative and fractional indices Standard form Adding and dividing surd calculations Surface area and volume of 3D shapes Solving quadratic equations Transformations of shapes Probability introduction Algebraic proportion Trigonometry non right angle triangles Similar shapes Constructions, Loci and Plans/elevations Statistical diagrams Distance and speed time graphs	Circle theorems Harder inequalities Compound measure Sampling Non-linear simultaneous equations Congruent triangles Probability of multiple events Algebraic fractions Algebraic proof Functions and iteration Accuracy and bounds Vectors Roots of quadratics Completing the square Sketching quadratics Trigonometric graphs, exact values and solving trig equations Types of graphs Transformation of graphs Circle co-ordinate geometry	Algebraic Expressions Quadratics Equations and Inequalities Graphs and transformations Data Collection Measures of Spread and location Representations of data Correlation Straight line graphs Circles Algebraic methods Binomial expansion Trigonometric ratios Trigonometric identities and equations Modelling in mechanics Constant acceleration Vectors Differentiation Forces and motion Variable acceleration Integration Exponential and logs Probability Statistical distributions Hypothesis testing Algebraic methods Functions and graphs Binomial expansion	Sequences and series Radians Trigonometric functions Moments Forces and friction Trigonometry and modelling Parametric equations Differentiation Vectors Numerical methods Integration Projectiles Applications of forces Further kinematics Regression, correlation and hypothesis testing Conditional Probability Normal Distribution