

Subject: Maths

Autumn Term	Spring Term	Summer Term	Skills/Assessment
Algebra <ul style="list-style-type: none"> Solving Quadratic Equations Algebraic proofs and functions Iteration Equation of a Circle Algebraic direct and inverse proportion Geometry and Measure <ul style="list-style-type: none"> Further Right Angled Trig (3D) Non Right Angled Trig 	Geometry and Measure <ul style="list-style-type: none"> Vectors Circle Theorems Algebra <ul style="list-style-type: none"> Graph Transformations Gradient and rate of change incl area under curve Simplifying Algebraic Fractions Solving and Graphing Inequalities 		Year 11 <ul style="list-style-type: none"> End of topic skills assessments Practice GCSE papers Mock GCSE assessments
Geometry and Measure <ul style="list-style-type: none"> Standard and compound units of measure Number <ul style="list-style-type: none"> Indices and Surds Geometry and Measure <ul style="list-style-type: none"> Similarity and Congruence 3D Pythagoras Right Angled Trig including exact trig values and graphs 	Algebra <ul style="list-style-type: none"> Sketching Graphs Simultaneous Equations – linear Statistics <ul style="list-style-type: none"> Further Averages and Range Sampling Probability – combined Events: Sample Space, Tree and Venn Diagrams 	Algebra <ul style="list-style-type: none"> Further Manipulation of Expressions inc Algebraic Fractions Solving Quadratic Equations Simultaneous equation – quadratic Rearranging Formulae Geometry and Measure <ul style="list-style-type: none"> Volume of 3D shapes Further Transformations 	Year 10 <ul style="list-style-type: none"> End of topic skills assessments Practice GCSE questions Assessments on accumulated skills
Geometry and Measure <ul style="list-style-type: none"> Bearings, Constructions, Loci and Scale Number <ul style="list-style-type: none"> FDPR Rounding, Estimation and Error Int Algebra <ul style="list-style-type: none"> Solving Equations recap and extension Sequences Linear Graphs– parallel and perpendicular gradients Real life graphs – incl SDT 	Statistics <ul style="list-style-type: none"> Collecting and Representing Data – Grouped Frequency tables, Scatter Graphs, Stem and Leaf diagrams, Cumulative Frequency graphs, Box Plots, Frequency Polygons and Histograms Geometry and Measure <ul style="list-style-type: none"> Perimeter and Area of 2D shapes Surface Area of 3D shapes 	Statistics <ul style="list-style-type: none"> Systematic Listing and Product rule Probability – single event Number <ul style="list-style-type: none"> Standard form Geometry and Measure <ul style="list-style-type: none"> Pythagoras' Theorem 	Year 9 <ul style="list-style-type: none"> End of topic skills assessments Practice GCSE questions Assessments on accumulated skills
Number: <ul style="list-style-type: none"> Fractions, Decimals, Percentages Ratio and proportion, best buys, recipe problems Indices, Powers and Roots Algebra <ul style="list-style-type: none"> Sequences Substitution Changing the subject of a formula Intro to Quadratics 	Algebra <ul style="list-style-type: none"> Linear Graphs and Coordinates Geometry and Measure <ul style="list-style-type: none"> Angles in Parallel lines Circles and Circular Shapes 3D shapes 	Geometry and Measure <ul style="list-style-type: none"> Transformations Statistics <ul style="list-style-type: none"> Averages and Range Number <ul style="list-style-type: none"> Finance and Money Problems 	Year 8 <ul style="list-style-type: none"> End of topic skills assessments Practice GCSE questions Assessments on accumulated skills
Number: <ul style="list-style-type: none"> Laws and Number Sense Four Operations using positive and negative numbers Working with decimal numbers Rounding Factors, Multiples and Primes 	Geometry and Measure <ul style="list-style-type: none"> Introduction to Angles Properties of 2D shapes Number: <ul style="list-style-type: none"> Fractions – understanding, simplifying, comparing, manipulating with four operations 	Algebra: <ul style="list-style-type: none"> Manipulating Expressions Setting up and solving Equations Statistics: <ul style="list-style-type: none"> Understanding Data Displaying Data 	Year 7 <ul style="list-style-type: none"> End of topic skills assessments Practice GCSE questions Assessments on accumulated skills