



MATHEMATICS

KS3 CURRICULUM PLAN 2018-19



Yr	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 3	SPRING TERM 4	SUMMER TERM 5	NEW SCHOOL YEAR BEGINS	SUMMER TERM 6
7	<ul style="list-style-type: none"> Place Value Powers and roots Non Calculator Operations Four operations fractions Angle Properties Scatter Graphs 	<ul style="list-style-type: none"> Coordinates 3D Shapes Algebraic Notation Simplifying and Expanding Brackets Substitution Solving Equations Rearranging Formulae Box Plots Cumulative Frequency Stem & Leaf 	<ul style="list-style-type: none"> Ratio Percentages Unit Conversion Area & Volume 	<ul style="list-style-type: none"> Fractions and Percentages Rounding and Estimation Bearings and Scale Drawings Standard Form 	<ul style="list-style-type: none"> Histograms Frequency Polygon Pie Charts Bar charts Sequences 		<ul style="list-style-type: none"> Solving Equations $y = mx + c$ Powers and Roots Fractions, Decimals and Percentages
8	<ul style="list-style-type: none"> Pythagoras' Theorem Trigonometry Angle Properties Transformations Similarity 	<ul style="list-style-type: none"> Indices Expanding Brackets Factorising Forming Expressions Proportion Inequalities 	<ul style="list-style-type: none"> Ratio Probability Two-Way Tables Venn Diagrams Volume and Surface Area 	<ul style="list-style-type: none"> Regular Polygons Simultaneous Equations Loci and Construction Compound Measures 	<ul style="list-style-type: none"> Averages Factors, multiples, primes Percentages 		<ul style="list-style-type: none"> Circles and Sectors Equation of a straight line Plotting Graphs Proportionality Probability
9	<ul style="list-style-type: none"> Simplifying Expressions Expanding Brackets Factorising Solving Equations Simultaneous Equations Sequences 	<ul style="list-style-type: none"> Rounding Estimation Indices Fractions (inc. Algebraic) Decimals and Percentages Standard Form Ratio and Proportion Surds 	<ul style="list-style-type: none"> Scatter Graphs Box Plots Cumulative Frequency Comparative Bar Charts Two-Way Tables Frequency Polygons Histograms 	<ul style="list-style-type: none"> Compound Measures Pythagoras' Theorem Trigonometry Angle Properties Advanced Trigonometry 	<p>Personalised Curriculum</p> <ul style="list-style-type: none"> - Strengthen through tackling misconceptions identified through topic analysis - Enrich through opportunities for problem solving - Extend through challenging content that goes beyond the curriculum" <p><u>Preparation for end of year examinations</u></p>		<ul style="list-style-type: none"> Volume and 3D Shapes Circles and Sectors Congruency Similarity Circle Theorems



MATHEMATICS

KS4 CURRICULUM PLAN 2018-19



Yr	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 3	SPRING TERM 4	SUMMER TERM 5	NEW SCHOOL YEAR BEGINS	SUMMER TERM 6	
10	<ul style="list-style-type: none"> • Rounding • Estimation • Indices • Fractions (inc. Algebraic) • Decimals and Percentages • Simplifying Expressions • Expanding Brackets • Factorising • Angle Properties 	<ul style="list-style-type: none"> • Compound Measures • Bounds • Using a Calculator • Congruency • Similarity • Percentages • Ratio and Proportion • Circle Theorems 	<ul style="list-style-type: none"> • Rearranging Formulae • Iteration • Plotting and Interpreting Graphs • Equation of a straight line • Inequalities • Functions • Pythagoras' Theorem • Trigonometry • Advanced Trigonometry • Solving Equations • Simultaneous Equations • Sequences 	<ul style="list-style-type: none"> • Area • Volume and 3D Shapes • Probability • Two-way Tables • Histograms • Cumulative Frequency • Box Plots • Scatter Graphs • Frequency Polygons • Factors and Multiples 	<ul style="list-style-type: none"> • Transformations • Vectors • Set Notation • Standard Form • Surds 		NEW SCHOOL YEAR BEGINS	<p>Personalised Curriculum</p> <ul style="list-style-type: none"> - Strengthen through tackling misconceptions identified through topic analysis - Enrich through opportunities for problem solving - Extend through challenging content that goes beyond the curriculum" <p style="text-align: center;"><u>Preparation for end of year examinations</u></p>
11	<ul style="list-style-type: none"> • Averages • Stem and Leaf • Questionnaires • Pie Charts • Estimate for the Mean • Time Series/Moving Averages • Stratified Sampling • Constructions and Loci • Circles and Sectors • Proportionality 	<p>Personalised Curriculum</p> <ul style="list-style-type: none"> - Strengthen through tackling misconceptions identified through topic analysis - Enrich through opportunities for problem solving - Extend through challenging content that goes beyond the curriculum" <p><u>Preparation for mock and GCSE examinations throughout the year.</u></p>					NEW SCHOOL YEAR BEGINS	

Please note that current year 9 pupils are following a new Scheme of Work so the subject order when they move in to year 10 will be different to the one our current year 10 are covering (shown above). If you require this information in advance, please do not hesitate to contact the Head of Mathematics, Mr Clark.