

Year	HT1	HT2	HT3	HT4	HT5	HT6	
KS3 Green Year	<ul style="list-style-type: none"> Sequences Finding the rule of a sequence and the next term in a sequence Function machines Substitution Collecting like terms Solve linear equations Explore equal parts Fractions on a number line Explore percentages Explore equivalencies Place value 	<ul style="list-style-type: none"> Fraction, decimal and percentage equivalence Explore percentages Explore fractions Problem solving with addition and subtraction Using finance in maths Frequency trees Problem solving with multiplication and division 	<ul style="list-style-type: none"> Multiply by integers and decimals Divide by integers and decimals Understand sharing and grouping Order of operations Fractions of amounts Percentages of amounts 	<ul style="list-style-type: none"> Add and subtract fractions including a different denominator Convert improper fractions to mixed numbers. Convert mixed numbers to improper fractions. Equiv. Fractions Simplify fractions Draw and measure line segments Estimate distances in cm & m Convert metric lengths Classify angles Estimate angles Measure using a protractor 	<ul style="list-style-type: none"> Angles in a full and half turn Angles in a quadrilateral Angles in a triangle Multistep angle problems Calculate perimeter Calculate area of rectangles and parallelograms Calculate area of triangle Calculate area of trapezium Probability on a scale 0-1 List outcomes Equally likely events Identify factors and multiples HCF & LCM Types of number - square, cube, triangle 	<ul style="list-style-type: none"> Understanding ratio Linking ratio and fractions Simplify ratio Divide into a given ratio Using multipliers and recipes Currency conversion Conversion graphs Scale diagrams Representation of fractions Convert improper fractions to mixed numbers 	
KS3 Blue Year	<ul style="list-style-type: none"> Calculate area Probability scales Listing outcomes Experiments with probability Identify factors and multiples Identify prime numbers Identify square, cube and prime numbers Understand ratio Link ratio and fractions 	<ul style="list-style-type: none"> Simplify ratio Divide into a ratio Unitary method Proportion Using recipes Currency conversion Conversion graphs Scale diagrams Represent fractions Convert improper and mixed fractions Multiply fractions by an integer and fraction 	<ul style="list-style-type: none"> Coordinates Table of values Graphs $y=mx + c$ Straight line graphs Read and interpret tables Scatter graphs Types of correlation Line of best fit Two-way tables Probability 	<ul style="list-style-type: none"> Sample space diagrams Directed number Collect like terms Multiply and divide directed number Expand brackets Factorise expressions Solve equations 	<ul style="list-style-type: none"> Generate sequences Generate sequences using algebra Index notation Simplify expressions Collect like terms Fractions, decimal and percentage equivalence Fraction of an amount Understanding percentages 	<ul style="list-style-type: none"> Index form Standard form Add and subtract decimals Multiply and divide decimals Rounding decimals Angle facts Angles in a triangle Angles in a quadrilateral Angles in parallel lines Calculating area 	
	Number	Geometry		Algebra		Statistics	Ratio

Year	HT1	HT2	HT3	HT4	HT5	HT6
Y10	<ul style="list-style-type: none"> Substitution Collect like terms Index laws Expand single brackets Factorise Solve equations Solve inequalities Represent inequalities Rearrange formulae Expand double brackets Percentages 	<ul style="list-style-type: none"> Percentage increase and decrease Express one number as a fraction or percentage of another Percentage change Simple interest Equivalent ratio Divide into ratio Link ratio and fractions Ratio and scales Fraction of an amount Increase or decrease by a fraction Equivalent fractions 	<ul style="list-style-type: none"> Add and subtract fractions Multiply and divide fractions Place value for integers and decimals Compare and order numbers Multiply and divide with integers and decimals Four operations with directed number Order of operations Straight line graphs Calculate the gradient $y = mx + c$ Listing outcomes Sample space diagrams 	<ul style="list-style-type: none"> Equation of a line Midpoint of a line Calculating probability Listing outcomes Relative frequency Sample space diagrams Two-way tables Frequency trees Rounding to decimal places Rounding to significant figures 	<ul style="list-style-type: none"> Averages including range Averages from ungrouped frequency tables Mean from grouped frequency tables Types of Data Scatter Graphs Angle Facts, Straight Lines, round a point Angles in Triangles Angles in Quadrilaterals Exterior Angles of Polygons Interior Angles of Polygons Alternate Corresponding Angles Interior Angles Pictograms Bar Charts 	<ul style="list-style-type: none"> Pie charts Time series graphs Frequency polygons Stem and leaf diagrams Prime numbers, factors and multiples Prime factorisation Lowest common multiple and highest common factor Square and cube numbers, powers & roots Calculating with indices Index laws Pythagoras' Theorem
Y11	<ul style="list-style-type: none"> Simplify ratio Divide into ratio Maps and scales Calculating speed, distance and time Calculate density Exchange rates Converting miles and kilometres Direct proportion Standard form Rounding decimal places 	<ul style="list-style-type: none"> Rounding significant figures Index laws Solving equations Solve inequalities Interpret and use coordinates Straight line graphs Interpret $y=mx + c$ Speed distance time graphs Types of angles Angle rules 	<ul style="list-style-type: none"> Angles in parallel lines Types of triangles Types of quadrilaterals Angles in polygons Similar shapes Collecting like terms Expand and factorise expressions Index Laws Simultaneous equations 	<ul style="list-style-type: none"> Equivalent fractions Key fractions and decimals Calculating with fractions Key percentages Percentages of amounts Percentage increase and decrease Express an amount as a percentage 	<ul style="list-style-type: none"> Averages Data and statistics Problem solving with ratio and fractions Best Buys Multi step problem solving Financial maths Area revision Volume revision Transformations Pythagoras' Theorem Trigonometry – finding the missing sides and missing angles Revision/Exam Non-calculator paper 1 – May Calculator paper 2 – June Calculator paper 3 – June 	<p style="text-align: center;">Topics as required based analysis of the papers sat so far during this exam series</p> <ul style="list-style-type: none"> Real life maths – finance Understanding wage slips Budgeting for a holiday Budgeting for a car
	Number	Geometry	Algebra		Statistics	Ratio



**Long Term Plan Maths
2025-2026: Green Year**

Half Termly Career Focus

	HT1	HT2	HT3	HT4	HT5	HT6
Blue	Production Worker	Engineer	Architect	Joiner	Careers Focus per Lesson including Fashion Designer, Sport Commentator, Baggage Handler	Careers Focus per Lesson including Sports Analyst, Call Centre Agent, Artist
Green	Small business owner	Paramedic	Retail manager	Carpenter, Warehouse Manager, Media Localisation, Graphic Designer	Careers focus per lesson including Game developer, Architect, Fence Installer, Tiler	Accountant
Y10	Financial Planner	Wedding planner	Graphic Designer	Careers Focus per Lesson including Data Analyst, Microbiologist & Software Developer	Careers focus per lesson including Journalist, Public health officer, & Architect	Careers focus per lesson including Metrologist, Drone Pilot, Construction Manager
Y11	Fashion Designer	Bricklayer	Make-up artist	Careers Focus per Lesson including Joiner, Finance assistant, Retail buyer & Chef	Exam prep, no specific linked careers	Exam prep, no specific linked careers