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| **Year** | **Autumn 1** | | **Autumn 2** | **Spring 1** | | **Spring 2** | | **Summer 1** | | **Summer 2** |
| **KS3 Blue Year** | * Directed numbers (Adding, subtracting, multiplying and dividing) * Methods of dividing * Methods of multiplying * Units – length and measuring * Units – reading scales * Place Value * Ordering decimals * Place value and decimals * Money problems – best buys, exchange rates and tax * Density, mass and volume * Speed, distance and time * Adding and subtracting decimals decimals | | * Angles * Adding angles * Drawing a triangle * Introducing circles * Perimeter * Area * Metric units | * Simplifying expressions * Collecting like terms * Using a formula * Writing a formula * Substitution * Creating a formula * Percentages * Finding percentages * Fractions, decimals and percentages | | * Properties of triangles * Compass turns * Reading graphs * Straight line graphs * Square numbers * Square roots | | * Reading pie charts * Compass turns * Area of rectangle * Area of a triangle * Area of a parallelogram * Plotting straight line graphs | | * Equations 1 * Equations 2 * Solving arithmetic problems * Scale drawings * Calculator skills |
| **KS3 Green**  **Year** | * Operations * Inverse operations * BIDMAS * Factors * Multiples * Prime numbers * LCM and HCF * Rounding and estimating * Significant numbers * Order of operations * Introducing probability * Probability scale 1 | | * Multiplication * Multiplying by 10 and 100 * Mental methods of multiplication * Written methods of multiplication * Measuring lines * Reading scales * Time * Sequences * Describing sequences * Using rules * Sequences with negative numbers | * Using letters 1 * Using letters 2 * Adding with symbols * Writing fractions * Equivalent fractions * Improper fractions * Fractions of an amount 1 * Reading and drawing pictograms * Reading and drawing bar chart | | * Naming angles * Using a protractor * Drawing angles * Measuring angles * Calculating angles * Coordinates * Coordinates within 4 quadrants * Angles in a triangle * Angles in quadrilaterals * Sorting with venn diagrams * Properties of 2D Shapes * Properties of 3D Shapes including nets | | * Reflection * Translations * Rotation * Enlargement * Symmetry * Tessellations * Data collection and surveys * Line charts * Mode, Median, Mean and Range * Stem and Leaf * Real life graphs * Tally charts and frequency tables | | * Ratio and proportion 2 * Fractions of an amount 2 * Probability scale 2 * Calculator methods * Place value 2 * Mental methods of multiplication 2 * Mental methods of dividing 2 * Introducing circles * Ordering decimals 2 * Rounding to integers 2 * Rounding to decimal places * Rounding to significant figures * Estimating |
| **Number** | | **Geometry** | | | **Algebra** | | **Statistics** | | **Ratio** | |

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| **Year** | **HT1** | **HT2** | **HT3** | | **HT4** | | **HT5** | | **HT6** |
| **Y10** | * Four operations * Approximations * Factors, multiple and primes * Introduction to fractions   + Adding & subtracting   + Multiplying & dividing * Fractions, decimals and percentages * Introduction to percentages   + Percentage change   + Reverse percentages   + Increase and decrease | * Indices, powers and roots * Standard form * Probability   + Experimental probability   + Probability trees   + Sample space * Ratio and proportion * Circles   + Calculating the area and circumference of circles * Calculator functions | * Algebra basics   + Collecting terms   + Algebra notation   + Solving equations   + Algebra brackets * Area * Perimeter * Pie charts * Expressions and substitutions * Straight line graphs * Place value * Rounding and estimating | | * Angles   + Basic facts   + Parallel lines   + Triangles   + Quadrilaterals * Algebra   + Sequences   + Factorising   + Nth Term * Scatter graphs * Coordinates and plotting in 4 quadrants * Properties of shapes (2D and 3D) * Volume and surface area * Collecting data (tables, charts, and graphs) * Real life graphs * Coordinates and midpoints | | * Angles   + Reasoning with angles * Symmetry * Equalities/Inequalities * Transformations   + Translation   + Reflection   + Rotation   + Enlargement * Construction   + Line segment   + Perpendicular   + Angle bisector   + Parallel lines   + Perpendicular line through given point   **Revision/Exam**  **Functional Skills** | | * Unit conversion * Scale drawings * Bearings * Isometric drawings * Plans and elevations * Sets & Venn diagrams * Sampling and the average (Mode, median and range)   **Revision/Exam**  **Functional Skills** |
| **Y11** | * Calculator functions * Factors, multiple and primes * Introduction to fractions   + Adding & subtracting   + Multiplying & dividing * Fractions, decimals and percentages * Percentages   + Percentage change   + Reverse percentages   + Increase and decrease * Four operations * Indices, powers and roots * Standard form * Approximations * Probability   + Experimental   + Trees   + Sample space | * Ratio and proportion * Circles   + Calculating the area and circumference of circles * Algebra basics   + Collecting terms   + Algebra notation   + Solving equations   + Algebra brackets * Area * Perimeter * Pie charts * Expressions and substitutions * Straight line graphs * Place value * Rounding and estimating * Angles   + Basic facts   + Parallel lines   + Triangles   + Quadrilaterals | * Algebra   + Sequences   + Factorising   + Nth Term * Scatter graphs * Coordinates and plotting in 4 quadrants * Properties of shapes (2D and 3D) * Volume and surface area * Collecting data (tables, charts, and graphs) * Real life graphs * Coordinates and midpoints * Angles   + Reasoning with angles * Symmetry * Equalities/Inequalities | | * Transformations   + Translation   + Reflection   + Rotation   + Enlargement * Construction   + Line segment   + Perpendicular   + Angle bisector   + Parallel lines   + Perpendicular line through given point * Unit conversion * Scale drawings * Bearings * Isometric drawings * Plans and elevations * Sets & Venn diagrams * Sampling and the average (Mode, median and range) | | **Revision/Exam**  **Non-calculator paper 1 – May**  **Calculator paper 2 – June**  **Calculator paper 3 – June** | | **Topics as required based analysis of the papers sat so far during this exam series** |
| **Number** | | **Geometry** | | **Algebra** | | **Statistics** | | **Ratio** | |

**Half Termly Career Focus**

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|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **Blue** | **Production worker** | **Engineer** | **Architect** | **Bookkeeper** | **Mechanical engineer** | **Economist** |
| **Green** | **Small business owner** | **Quantity Surveyor** | **Baker** | **Joiner** | **Tiler** | **Accountant** |
| **Y10** | **Financial Planner** | **Video games programmer** | **Carpenter** | **Interior designer** | **Builder** | **Architect** |
| **Y11** | **Fashion Designer** | **Gardener** | **Graphic designer** | **Painter and decorator** | **Music production** | **Surveyor** |