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|  | | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| **Key Stage 3** | **Year 7** | Prime numbers and proof  Sequences  Understand and Use algebraic notation | Equality and equivalence  Place Value and ordering integers and decimals  Fraction Decimal and percentage equivalence | Solving Problems with addition, subtraction, multiplication and division | Fractions and percentages of amounts  Operations with equations and directed number | Addition and subtraction of fractions  Sets and probability  Constructing, measuring and using geometric notation | Constructing, measuring and using geometric notation  Developing geometric reasoning  Developing number sense |
| **Year 8** | Ratio & Scale  Multiplicative change  Multiplying and dividing fractions  Working in the Cartesian plane | Working in the Cartesian plane  Representing data  Tables and probability  Brackets, equations and inequalities | Brackets, equations and inequalities  Sequences  Indices  Fractions and percentages | Standard index form  Number sense | Angles in parallel lines and polygons  Area of trapezia and circles  Line symmetry and reflection | The data handling cycle  Measures of location |
| **Year 9** | Three-dimensional shapes  Constructions and congruency | Straight line graphs  Forming and solving equations  Testing conjectures  Numbers | Using percentages  Maths and money  Deduction | Rotation and translation  Pythagoras’ Theorem and an intro to Trigonometric Ratios | Enlargement and similarity  Solving ratio and proportion problems  Rates | Probability  Algebraic representation  Revision |
| **Key Stage 4** | **Year 10** | Congruence, Similarity and Enlargement  Trigonometry | Representing solutions of equations and inequalities  Simultaneous equations  Angles and bearings | Working with circles  Vectors  Ratios and fractions | Percentages and Interest  Probability | Collecting, representing and interpreting data  Non-calculator methods | Types of number and sequences  Indices and roots  Manipulating expressions |
| **Year 11** | **Graphs**  Gradients and Lines  Non-Linear Graphs  Using Graphs | **Algebra**  Expanding and Factorising  Changing the Subject  Functions | **Reasoning**  Multiplicative  Geometric  Algebraic | **Revision and Communication**  Transforming and Constructing  Listing and Describing | **Revision based on common topics using QLA** |  |