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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 SequencesUnderstand and Use algebraic notation | Equality and equivalencePlace Value and ordering integers and decimalsFraction Decimal and percentage equivalence  | Solving Problems with addition, subtraction, multiplication and division | Fractions and percentages of amountsOperations with equations and directed number | Addition and subtraction of fractionsSets and probabilityConstructing, measuring and using geometric notation | Constructing, measuring and using geometric notationDeveloping geometric reasoningDeveloping number sense |
| **Year 8** | Ratio & ScaleMultiplicative changeMultiplying and dividing fractionsWorking in the Cartesian plane | Working in the Cartesian planeRepresenting dataTables and probabilityBrackets, equations and inequalities | Brackets, equations and inequalitiesSequencesIndicesFractions and percentages | Standard index formNumber sense | Angles in parallel lines and polygonsArea of trapezia and circlesLine symmetry and reflection | The data handling cycleMeasures of location |
| **Year 9** | Three-dimensional shapesConstructions and congruency | Straight line graphsForming and solving equationsTesting conjecturesNumbers | Using percentagesMaths and moneyDeduction | Rotation and translationPythagoras’ Theorem and an intro to Trigonometric Ratios | Enlargement and similaritySolving ratio and proportion problemsRates | ProbabilityAlgebraic representationRevision |
| **Key Stage 4** | **Year 10** | Congruence, Similarity and EnlargementTrigonometry | Representing solutions of equations and inequalitiesSimultaneous equationsAngles and bearings | Working with circlesVectorsRatios and fractions | Percentages and InterestProbability | Collecting, representing and interpreting dataNon-calculator methods | Types of number and sequencesIndices and rootsManipulating expressions |
| **Year 11** | **Graphs**Gradients and LinesNon-Linear GraphsUsing Graphs | **Algebra**Expanding and FactorisingChanging the SubjectFunctions | **Reasoning**MultiplicativeGeometricAlgebraic | **Revision and Communication**Transforming and ConstructingListing and Describing | **Revision based on common topics using QLA** |  |