MATHEMATICS CURRICULUM MAP 7-11

Year 7	Year 8	Year 9	Year 10	Year 11
Autumn Term Algebraic sequences Algebra notation Algebra equivalence Number place value Number FDP Fractions, Decimals & Percentage Solving problems with addition & subtraction Solving problems with multiplication & division	**Autumn Term** Ratio & scale Multiplicative change Multiply & divide fractions Cartesian Plane Representing Data Tables & Probability Brackets, equations & inequalities	**Autumn Term** Straight line graphs Form & solve equations Testing number conjectures 3D shape Constructions & congruency Using number (HCF/LCM/Fractions/Standard form) Using percentages	**Autumn Term** Number Operations, Percentages, Indices, Standard Form, Surds, Algebra; including introduction to equations and Inequalities, Data Fractions, Percentages and their applications, Angles and Reasoning, Perimeter, Area and Volume	**Autumn Term** Number, Indices, Standard Form, Surds, Algebra, Angles & Trigonometry, Straight Line Graphs, Other types of Graphs Transformations, Constructions, Probability; Tree & Venn diagrams, Congruence & Similarity
Spring Term Fractions & Percentages of amount Directed number & solving equations, Fractional thinking Construction & measurement, Geometric reasoning	**Spring Term** Brackets, equations &inequalities Sequences Indices Fractions & percentages Standard form Number sense Parallel lines &polygons	**Spring Term** Maths & Money Angles & Deduction Rotation & Translation Pythagoras Enlargement & similarity Ratio & proportional problems Rates of change	**Spring** Coordinates, Graphs, Geometry and Transformations, Bearings and Constructions Equations, Inequalities, Probability; including Tree Diagrams and Venn Diagrams	**Spring** Equations & Inequalities, Graphs & Applications of Trigonometry Statistics, Geometry (circular mensuration) & Algebra More Geometry & Vectors
Summer Term Number sense – mental calculations, Sets & probability, Primes & proof Money project Data project	**Summer Term** Trapeziums & circles Lines of symmetry & reflection Data handling cycle Measures of location Data handling project Personal finance project	**Summer Term** Probability Algebraic representation Congruency Trigonometry Expanding & factorizing	**Summer Term** Similarity, Congruence, Vectors, Further Geometry and Trigonometry Statistics, Mathematical Applications, Practice	**Summer Term** Ratio, Proportion & Graphs PRACTICE