

Maths Year 11 Foundation Curriculum Map

YEAR 11	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Curriculum Content	<p>Composite Number N1 Calculating N3 Accuracy N7 Number Properties</p> <p>Composite Algebra A1 Working with Algebra</p> <p>Composite Number N6 Ratio and Proportion N4 Fractions N5 Percentages</p>	<p>Composite Number N2 Standard Form Composite Algebra A2 Sequences A3 Functions and Graphs</p> <p>Composite Geometry and Measure GM 2 Angles GM 3 Pythagoras and Trigonometry</p>	<p>Composite Geometry and Measure GM1 Units and Scales GM3 Area and Perimeter GM6 Three Dimensional Shapes</p> <p>Composite Algebra A4 Simultaneous Equations</p> <p>Composite Statistics and Probability SP 1 Statistical Measures SP4 Probability</p>	<p>Composite Statistics and Probability SP 2 Statistical Diagrams SP 3 Representing Data</p> <p>Composite Geometry and Measure GM 5 Transformations GM4 Geometric Construction GM 7 Vectors GM1 Compound Units GM5 Similarity</p> <p>Composite Algebra A4 Inequalities A3 Real life graphs A5 Working with Quadratics</p>	REVISION	EXAMS
Prior knowledge and skills (from previous year / key stage)	Knowledge and understanding of the solving equations, using ratio, rounding and indices	Knowledge and basic algebra, solving equations, substitution, angle facts, place value	Knowledge of collecting and analysing data, angle facts, basic probability, 2d shapes,	Knowledge basic transformations, reflections, translations, using a protractor and a compass, solving equations		
Core Knowledge Organiser content	Definitions of keywords, formulae and concepts met within fractions, percentages and basic algebra, with accompanying MathsWatch clips, to support independent learning	Definitions of keywords, formulae and concepts met within angles in parallel lines, sequences and trigonometry accompanying MathsWatch clips, to support independent learning	Definitions of keywords, formulae and concepts met 3d shapes, averages and probability with accompanying MathsWatch clips, to support independent learning	Definitions of keywords, formulae and concepts met within transformations, inequalities and quadratics with accompanying MathsWatch clips, to support independent learning		
Assessment Objectives	To be able to demonstrate use of limits and accuracy as well as working with equations Show and demonstrate ability to work with brackets and solve equations with brackets	To be able to show understanding of angles in a polygon and solve problems involving interior and exterior angles	To be confident working with averages and using frequency tables Show demonstrate ability with 2d shapes	To be able of demonstrate understanding linear inequalities and show them on a number line as well as solving to find a range of values		
Vocabulary / Key Subject Terminology	Prime Factor, Factor Tree, Power, surd, percentage, numerator, denominator	Solve, linear, quadratic, geometric, Fibonacci, corresponding, alternate, interior	Mean, median, mode, range, spread, probability, mutually exclusive, conditional, plan view	Similarity, congruent, transformation, rotation, enlargement, reflection, inequality, solve, locus		
Assessment 1	BAM: Reviewing Skills Assessment Topic based assessment of N1.8 1.9 and N3.6 3.7 plus additional exam style question.	BAM: Reviewing Skills Assessment - Topic based assessments using review GM 2.8 plus additional exam style question.	BAM: Reviewing Skills Assessment - Topic based assessments using review SP 1.2 1.3 and 1.4 plus additional exam style question.	BAM: Reviewing Skills Assessment - Topic based assessments using review A4.2		
Assessment 2	BAM: Reviewing Skills Assessment Topic based assessment of N1.5, 1.6 1.8 plus additional exam style question.	Christmas Assessment: Full synoptic assessment.	BAM: Reviewing Skills Assessment - Topic based assessments using review GM3.2 and GM3.3 plus additional exam style question.	Easter Assessment: Full synoptic assessment.		

Cross Curricular Links with other Faculties	Accuracy – Rounding - Science Proportionality - science	Standard form Rates of change - science	Averages - Geography Plans and elevation – Technical drawing DT	Statistical Diagrams- Geography Compound Units -Science		
Extra-Curricular Offer	KS4 UKMT Problem Solving Club “Problem of the week” After school Revision	KS4 UKMT Problem Solving Club “Problem of the week” After school Revision	KS4 UKMT Problem Solving Club “Problem of the week” After school Revision	KS4 UKMT Problem Solving Club “Problem of the week” After school Revision		
Time Allocation	7 weeks 4 lessons per week	7 weeks 4 lessons per week	6 weeks 4 lesson per week	5 weeks 4 lessons per week		