KS3 MATHEMATICS Curriculum Narrative

Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

This curriculum of learning has been designed to build upon the experiences encountered at Key Stage 2 at and the curriculum taught at Primary school.

KS3 Maths Curriculum Map

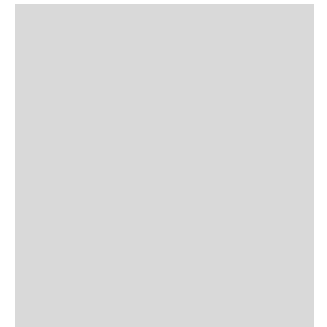|	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Number Unit 1	Algebra Unit 1	Number Unit 2	Statistics Unit 1	Number Unit 3	Number Unit 4
		Geometry Unit1	Statistics Unit 1	Number Unit 3	Geometry Unit 2	Algebra Unit 2
		Number Unit 2			Number Unit 4	Problem Solving

KS4 MATHEMATICS Curriculum Narrative

Our GCSE Maths syllabus prepares students for further study at A Level and provides fundamental knowledge and transferable skills for success in everyday life. Our mathematics curriculum provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject. Students will learn Number, Algebra, Geometry, Statistics, Probability, Ratio and Proportion and must demonstrate good levels of competence in all disciplinequm

Foundation

8a - Perimeter and area
(10)

16a - Circle theorems (6) 16b - Circle Geometry (5) 17 - Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof (8) Revision week for Mocks (4) **Foundation** 17 - Circles, cylinders, cones and spheres (7) 18a - Fractions and Reciprocals (5) 18b - Indices and standard form (6) 16b - Quadratic equations: graphs (4) 17 - Circles, cylinders, cones and spheres (7) 18a - Fractions and Reciprocals (5) 18b - Indices and standard form (6) Revision week for Mocks (4)	inverse proportion (8) 18 - Vectors and geometric proof (10) **Foundation** Mock Exams (2 weeks) Mock Exam review & DIRT 19a - Similarity and congruence in 2D (7) 19b - Vectors (7) 19a - Similarity and congruence in 2D (7)	Revision and past papers Revision week for Mocks (4) **Foundation** 20 - Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations (5) 19b - Vectors (7) 20 - Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations (5) Revision week for Mocks (4) Mock Exams	Mock Exam review & DIRT Revision and past papers Mock Exam review & DIRT Revision and past papers		