St Matthew's RC High School

Key Stage 4 Curriculum Plan 2016/17

Subject: MATHEMATICS

Yr	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10F	1. Angles 2. Scale diagrams and bearings 3. Basic Number 4. Factors and multiples	1. Basic algebra 2. Basic fractions 3. Coordinates and linear graphs 4. Basic Decimals 5. Rounding and limits of accuracy	1. Collecting and representing data 2. Sequences 3. Perimeter and area 4. Basic Percentages	1. Circumference and area 2. Real life graphs 3. Ratio and proportion 4. Polygons 5. Equations 6. Indices	1. Standard form 2. Basic probability 3. Transformations 4. Congruence and similarity 5. Constructions and Loci	1. 2D representations of 3D objects 2. Calculating with percentages 3. Measures 4. Statistical Measures
10H	1. Angles, scale diagrams and bearings 2. Number revision	1. Rounding 2. Collecting and representing data 3. Sequences 4. Basic	1. Circumference and area 2. Real life graphs 3. Ratio and proportion 4. Properties of polygons	1. Indices 2. Surds 3. Basic probability 4. Standard form 5. Measures	1. Transformations 2. Congruence and similarity 3. 2D representations of 3D objects 4. Calculating with percentages	1. Statiistical measures 2. Construction and loci 3. Probability – venn diagrams

	3. Basic algebra review 4. Fractions and decimals 5. Coordinates and linear graphs	percentages 5. Perimeter and area	5. Equations			
11F	1. Probability 2. Volume 3. Algebra; quadratics, rearranging formulae and identities 4. Scatter Graphs	1. Inequalities 2. Pythagoras 3. Simultaneous equations 4. Algebra and graphs (1) 5. Direct and inverse proportion	1. Trigonometry 2. Algebra and graphs (2) 3. Sketching graphs 4. Quadratic graphs and equations	1. Grpwth and decay 2. Vectors 3. REVISION	1. REVISION	
11H	1. Volume 2. Algebra; quadratics, rearranging formula	1. Equation of a circle 2. Further equations and graphs	1. Sketching graphs 2. Inequalities 3. Pythagoras and basic	1. Vectors 2. Sine and cosine rules 3. Circle Theorems 4. Transforming	1. Pre-calculus and area under a curve 2. Algebraic fractions 3. REVISION	4. REVISION

	and identities 3. Scatter graphs 4. Numerical methods - iteration	3. Simultaneous equations 4. Direct and inverse proportion	trigonometry 4. Growth and decay	functions 5. Gradients and rates of change		