SYLLABUS-GCSE FOUNDATION TIER

ARITHMETIC

1) Multiplication
2) Division
3) Addition
4) Subtraction
5) Rounding
6) Estimating
7) Using a Calculator
8) BODMAS
9) Ordering Decimals/Fractions
10) Arithmetic with Fractions
11) Multiples and Factors
12) Prime Numbers
13) Square Numbers, Cube Numbers, Roots
14) Index/Indices
15) HCF and LCM
16) Time
17) Money
18) Temperature
19) Negative Numbers
20) Percentages
21) Percent Increase/Decrease
22) Reverse Percentages
23) Ratio
24) Proportion
25) Currency Exchange
26) Best Buys
27) Standard Form

28) Use of a Calculator

ALGEBRA

1) Inequalities
2) Substitution
3) Forming Expressions/Formulae
4) Generating Sequences
5) Nth Term of Linear Sequences
6) Solving Equations
7) Solving Linear Equations
8) Rearranging Formulae
9) Expanding Brackets
10) Factorising
11) Factorising Quadratics
12) Solving Quadratics
13) Forming Equations
14) Changing Subject of Formula
15) Functions
16) Drawing Linear Graphs
17) Translating Graphs
18) Inequalities on Graphs
19) Quadratic Graphs
20) Cubic Graphs
21) Simultaneous Equations
22) Quadratic Simultaneous Equations
23) Graphs of Circles
24) Reciprocal Graphs

TRIGONOMETRY

1) Basic Trigonometry

GEOMETRY

1) Angle Facts
2) Types of Angles
3) Angles in Parallel Lines
4) Angles in a Triangle
5) Angles in a Quadrilateral
6) Angles in Polygons
7) Bearings
8) Perimeter
9) Area of Rectangles/Triangles
10) Area of Trapezium
11) Units
12) Line Symmetry
13) Rotational Symmetry
14) Constructions
15) Loci
16) Faces, Edges, Vertices
17) Volume
18) Surface Area
19) Speed, Distance, Time
20) Density
21) Pressure
22) Plans and Elevations
23) Scale Drawings
24) Similar Shapes
25) Congruent Shapes
26) Pythagoras
27) Circle Theorems
28) Arcs and Sectors

29) Circle Geometry
30) Area of Circles
31) Circumference
32) Area of Sectors
33) Area of Segments
34) Volume of Spheres/Cylinders/Cones
35) Surface Area of 3D Shapes
36) Nets

STATISTICS

1) Frequency Trees
2) Two-way Tables
3) Pictograms
4) Bar Charts
5) Frequency Polygons
6) Line Graphs
7) Probability
8) Probability with Venn Diagrams
9) Scatter Graphs
10) Time Series Graphs
11) Mean
12) Median
13) Mode
14) Range
15) Stem and Leaf
16) Mean from a Table
17) Venn Diagrams
18) Tree Diagrams
19) Frequency Tables