

Specification for Maths Entrance Paper

The paper is 60 marks and is roughly the harder 60% of a GCSE/iGCSE paper. The questions will mostly be drawn from the list below but will include some problem solving.

- Quadratics: Factorising and Formula
- Linear Inequalities and Linear Simultaneous Equations
- Quadratic inequalities
- Averages and Probability
- Area and Volumes including scale factors
- Sine, cosine rule and area of the triangle
- Straight Line Coordinate Geometry
- Bounds in Calculations
- Algebraic Fractions
- Rational Numbers and Surds
- Recognising Graphs of $y = Ax^n$ with $n = -2, -1, 0, 1, 2, 3$
- Simultaneous Equations with one linear and one quadratic
- Arithmetic Sequences
- Differentiation of functions of the form $y = ax^n$, where n is a rational number.
Note – this is covered in IGCSE but not GCSE!