

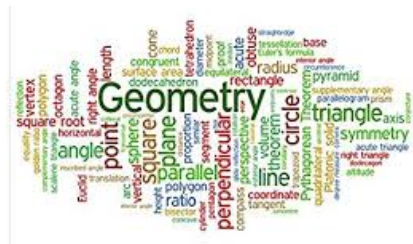


MARICOURT SIXTH FORM CENTRE

MATHEMATICS

WHAT IS IT?

This is a two year course with the AS taken in year 12 and A Level in year 13. Analytical, logic and problem solving skills across a range of applications in mathematics will be developed. These skills can be used effectively in life in many different contexts. An aptitude for algebraic manipulation is essential.



REQUIREMENTS

GCSE Mathematics—
Grade 7

ASSESSMENT

Year 12 AS,
Two 2hr exam papers
Paper 1: Pure (66.66%)
Paper 2: Statistics & Mechanics
(33.33%)
Year 13 A level,
3 equally weighted (33.33%), 2 hr
exam papers Paper 1 & 2 Pure,
Paper 3 Statistics & Mechanics

CONTENT

Paper 1 - Proof; algebra and
functions; coordinate geometry
in the (x,y) plane; sequences and
series; trigonometry;
exponentials and
logarithms; differentiation;
integration and vectors
Paper 2 - Statistical sampling;
data presentation and
interpretation; probability;
statistical distributions;
statistical
hypothesis testing Quantities
and units in mechanics;
kinematics, forces and Newton's
laws