



Oxford Cambridge and RSA

A-LEVEL MATHEMATICS

OCR

Specification Summary

Topics

- *Proof*
- *Indices*
- *Surds*
- *Simultaneous equations*
- *Quadratic functions*
- *Inequalities*
- *Polynomials*
- *The modulus function*
- *Curve sketching*
- *Functions*
- *Graph transformations*
- *Partial fractions*
- *Models in context*
- *Straight lines*
- *Circles*
- *Parametric equations of curves*
- *Parametric equations in context*
- *Binomial expansion*
- *Sequences*
- *Sigma notation*
- *Arithmetic sequences*

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- ***Geometric sequences***
- ***Modelling***
- ***Trigonometry***
- ***Exponentials and Logarithms***
- ***Differentiation***
- ***Integration***
- ***Numerical Methods***
- ***Vector***
- ***Statistical Samplings***
- ***Data Presentation and Interpretation***
- ***Statistical Distributions***
- ***Statistical Hypothesis Testing***
- ***Quantities and Units in Mechanics***
- ***Kinematics***
- ***Forces and Newton's Laws***
- ***Moments***