

A Level Maths curriculum map

All exams will be taken at the end of year 2 (unless you choose to sit the AS exam in year 1).

In Mathematics, we must study the compulsory content of Pure, Mechanics and Statistics.

The exam board is AQA.

Year 1

Half Term	Topics	Assessment
1	Pure: Surds and indices; quadratic functions; simultaneous equations; graphs and transformations; straight line equations	Skills test
2	Pure: Equations of circles; inequalities; factor theorem and polynomial factorisation; binomial expansion theorem; trigonometry; differentiation	Autumn exams
3	Pure: Exponentials and logarithms; integration; proof	Topic assessments
4	Pure: Vector geometry Statistics: Data collection and sampling methods; data processing, presentation and interpretation Mechanics: Modelling in mechanics; kinematics and Newton's laws of constant acceleration	Spring exams
5	Statistics: Probability; statistical distributions; hypothesis testing Mechanics: Forces and motion; variable acceleration	Topic assessments
6	Pure: Algebraic methods; radians and circular measures	Summer exams

Year 2

Half Term	Topics	Assessments
1	Pure: Algebraic methods; proof; functions; trigonometric functions; trigonometric identities	Topic assessments
2	Pure: Sequences and series; binomial expansion; differentiation; parametric equations; numerical methods	Autumn exams
3	Pure: Integration; vectors in 3D Statistics: Working with large data sets; regression, correlation and hypothesis testing Mechanics: Forces and motion	Topic assessments
4	Statistics: Conditional probability; normal distributions and hypothesis testing Mechanics: Moments; modelling friction; kinematics; projectiles	Spring exams
5	Revision	Summer mocks & A Level Examinations
6	Revision	A Level Examinations