A Level Mathematics guide

Assessment:

This is a two-year course and so the external examinations will be taken at the end of the course.

External exams

Paper 1: Pure Mathematics 33%, 2 hours, 100 marks	Any A level pure mathematics content can be assessed on either paper
Paper 2: Pure Mathematics 33%, 2 hours, 100 marks	
Paper 3: Statistics and Mechanics 33%, 2 hours, 100 marks	A level applied content assessed Section A: Statistics (50 marks) Section B: Mechanics (50 marks)

There will be topic tests after every topic plus larger internal assessments that will be used for progress monitoring and setting UCAS predictions.

Internal exams

Assessment name	When (approx.)	Content
Diagnostic test	Third week year 1	See below
Maths Assessment 1	December year 1	First 1/3 of year 1 content
Maths Assessment 2	February year 1	First 2/3 of year 1 content
UCAS Prediction exam	End of year 1	All of year 1 content
6U College exam	January year 2	All of year 1 content Half of year 2 content.

Academic Expectations

It shouldn't need to be said that we expect you to come to lessons with your textbooks, paper, calculator and stationary. We also expect excellent/perfect attendance and punctuality. If you miss a lesson, ensure you catch up on all work quickly.

You should be doing at least 5 hours of maths work every week on top of the 5 hours of lessons.

As a guide, this should take the following form:

Work type	Where found		Frequency
HW (1-2 hours)	Google Classroom	To be handed in	Checked every one/two weeks
Independent Work and revision (3-4 hours)	All mixed exercises from your text book	Blue books	Checked every few weeks

Diagnostic Test (in the 12th lesson)

A level maths is difficult. It is considerably harder than GCSE maths, and that is hard for many! We have fantastic success at getting A*s at Woodhouse College but falling behind in maths can result in very low grades. To make sure you have made the correct decision to do an A level in maths we do a diagnostic test after three weeks. You should make sure you revise for this.

Topic	Chapter
Basic Algebra	1.1, 1.2, 1.3
Surds and indices	1.4, 1.5, 1.6
Solving quadratics	2.1
Quadratic graphs	2.4 and 2.2
The discriminant	2.5
Linear and quadratic inequalities	3.4
Quadratic inequalities and set notation	3.5
Hard questions on discriminant (involving k)	page 57
Cubic sketching given factorised form	4.1
Reciprocal graphs	4.3

Independent work (these topics will NOT be covered in lesson, BUT will come in the test)

Topic	Chapter
Basic Algebra	1.1, 1.2, 1.3
Surds and indices	1.4, 1.5, 1.6

Scheme of work

You can find this on the Woodhouse maths homepage.

Technology and important websites

Calculator	Compulsory for the A Level Maths course. Casio fx-991EX You can buy these from the library. Price TBC.
Google Classroom	Your teacher will set HW every week.
Maths Homepage **www.woodhousemaths.co.uk**	The go to place for exams and information! Lots of resources and exam papers. Search for 'maths homepage' in Google and it is the top result! Course notes, **Integral Maths**, Past Papers, etc.
Dashboard	Find your marks from topic tests and assessment and lots more!
Activelearn	Online versions of the textbooks
Integral maths	Extra examples, worksheets and interactive help.