

Maths at a Glance	
Head of Department	Mrs E Hanton
Lessons per fortnight	8
Homework per fortnight	120 mins

Year 11 Maths

1. Course & Subject Information

Year 11 students follow the foundation or higher scheme of work, building on the content from year 9 and 10. The student's current working grade and end of key stage target are used to decide which route is followed. Students are regularly assessed to ensure that they are making appropriate progress over the academic year. Progress and attainment are monitored and tracked and bespoke intervention put in place where applicable. There is a strong focus on reasoning, problem solving and fluency so that students become confident and skilled in maths.

2. Course/Subject Structure

	Foundation	Higher
Term 1	<ul style="list-style-type: none"> Volume Quadratics, rearranging formulae and identities Inequalities Algebra and graphs Sketching graphs 	<ul style="list-style-type: none"> Further quadratics, rearranging formulae and identities Trigonometry Growth and decay Equation of a circle Further equations and graphs Direct and Inverse proportion
Term 2	<ul style="list-style-type: none"> Direct and Inverse proportion Trigonometry Solving quadratic equations Quadratic graphs Growth and decay 	<ul style="list-style-type: none"> Inequalities Vectors Further sketching graphs Sine and cosine rule Transforming functions Numerical methods Circle theorems
Term 3	<ul style="list-style-type: none"> Vectors Revision 	<ul style="list-style-type: none"> Gradients and rates of change Pre-calculus and area under a curve Algebraic fractions

3. Recommended texts or websites to support home learning

www.mymaths.co.uk, www.mathswatchvle.com

4. Specialist Equipment/Materials Required if applicable

Students should come to every lesson with the basic equipment of a pen, pencil and ruler together with specific maths equipment including protractor, compass and a calculator.

5. Exam Information

For more information, click on 'Examinations' in the 'Curriculum' menu on our website.