



Mathematics Curriculum Information - AS Level

As students embark on their Mathematics AS Level, we thought it would be useful to share an overview of the course.

In AS Level Mathematics: All students will study for the [Edexcel 8MA0 specification](#). We have adapted our schemes of work to reflect the changing nature of Mathematics assessments by including more problem-solving activities. Students are taught in a class with one teacher that will cover pure, statistics and mechanics.

Textbooks and resources: The students will have booklets to take notes and complete set tasks in lessons but will also need to supply their own lined or squared paper to complete exercises. The calculator used by the department is the Casio CG50 and we will train the students to use these as and when they learn new topics. All students should bring their booklets and their Mathematics equipment (calculator, pencil, ruler) to every Mathematics lesson.

The students have online access to the AS Level Mathematics textbooks on Pearson Active Learn. We also have our bespoke Google Site for Year 12 and Year 13 that has all of the resources that we use for lessons, making it easy for students to access at home should they need to catch up or revise. Please ask them to show you the site! We send out revision lists prior to tests in November, February and June of Year 12 so that students can revise effectively. In Year 13, there will be a test in October and mock examinations in the spring term.

Homework and assessment: Homework of 60 minutes duration can be set each lesson in Mathematics to give the students time to complete exercises, consolidate their understanding of work covered at school. Homework may take the form of a written or online piece and is self-marked. If your child is struggling with their homework then they should talk to their teacher about it so that support can be provided. We will continuously monitor student progress throughout the years by conducting spot tests on current topics to check that homework and classwork is understood. There is no coursework and the AS Level is assessed through final examinations. There are 2 papers: one 2-hour Pure paper and one 1 hour and 40 minutes Applied paper.

Revision: Your child has an account on MyMaths which can be used for revision of topics covered throughout the year as well as for homework pieces. The Year 12 and 13 Google Sites have revision pages with resources such as past papers with worked solutions that students should use in the run-up to tests. Mathematics clinics are run at lunchtimes twice a week for students to drop in for support and the Mathematics teachers are a very welcoming bunch who will always find time to help when asked.

Co-curricular Mathematics: Students will be given the opportunity to partake in the UKMT Mathematics challenge events with support given at a lunchtime club.

More information can be found on the [Mathematics subject page](#) of the school's website.

If you have any queries, please contact Mrs L Davidson-Fox, Head of Mathematics, at lfox@ahs.bucks.sch.uk