



### **Mathematics Curriculum Information - GCSE**

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

#### **In Key Stage 4 Mathematics:**

The Mathematics department organises the students by ability at the start of Year 10. We stream the students into two set 1 groups, two set 2 groups and three set 3 groups. All students will study for the [AQA Higher GCSE Mathematics](#) with the students in sets 1 and 2 having the opportunity to study the AQA Further Maths Level 2 qualification. The aims of this are to give students the time to become fluent in the skills at GCSE and to stretch and challenge the more able students. We have adapted our schemes of work to reflect the changing nature of Mathematics assessments by including more problem-solving activities.

#### **Textbooks and resources:**

The students will have a blue 5mm squared exercise book to do their work in lessons, for them to keep notes, and to practise. All students should bring this and their maths equipment (calculator, pencil, ruler, whiteboard, whiteboard pen, compass & protractor) to every maths lesson.

The students have online access to the GCSE Mathematics: Revision and Practice textbook on Kerboodle. We also have our bespoke Google Site for Year 10 (and another for Year 11) 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 October, December and May so that students can revise effectively. In Year 11, there will be mock examinations in the spring term.

**Homework and assessment:** Homework of 40 minutes duration can be set twice a week in Mathematics to give the students time to consolidate their understanding of work covered at school. Homework may take the form of a written or online piece and is marked in class where feedback is given. Where homework is not set in one of these slots, your child is expected to identify and work on an area of weakness. 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.

**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. It has revision pages and worksheets that can be accessed at any time and will prove useful in the run up to tests. Maths clinics are run at lunchtimes twice a week for students to drop in for support.

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

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

If you have any queries, please contact Mrs L Davidson-Fox, Head of Maths, at [ldavidsonfox@ahs.bucks.sch.uk](mailto:ldavidsonfox@ahs.bucks.sch.uk)