

Year 7 - 11

**Head of Department:** Ms S Wilson

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## **We Value:**

**Progress:** Whatever the starting point of each student, we expect that they will make excellent progress in line with students in the rest of the school & country. Progress is monitored throughout a student's school career and support will be provided where needed.

**Effort:** Again, regardless of starting point, the main contributor to the success of our students is the effort that they are prepared to put in. We expect, and reward, those students who engage fully with the subject and contribute to their own learning and the learning of others.

**Resilience:** We want our students to be determined, resilient and curious in their learning. Our most successful students are those that are prepared to take risks, try new things and embrace their mistakes.

## **We offer these Opportunities:**

Lessons will include rich tasks where students can develop their own ideas and discover for themselves the workings of mathematics. The world of mathematics is vast and students are encouraged to develop the skills and confidence to explore it for themselves.

Learning is tailored to the individual student, with support provided for the less able or less confident and stretch for students who want take topics further.

Students will be able to learn and apply mathematical skills in a variety of ways, including practical, hands-on tasks, using ICT systems and the teaching of others.

Mathematics will be taught in the context of the real world wherever possible to allow students to appreciate the fundamental nature of maths and its role in life. Contexts will include finance, architecture, engineering and computer science among many others.

In **Year 7**, we study topics that will consolidate learning from primary school but extend the areas of Algebra & Shape. We provide plenty of opportunities for investigation and discovery.

In **Year 8**, we start to develop concepts in more detail, introducing more complex number, algebra and geometry topics.

In **Year 9**, students consolidate their study of topics across all strands of the Maths curriculum (Number, Algebra, Geometry & Handling Data). To stretch & challenge our students we aim to cover some elements from the GCSE syllabus towards the end of Year 9.

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In **Year 10**, the GCSE begins and topics are developed further building on the work started in Year 9. As well as the ongoing assessment throughout the year, at the end of Year 10, students will sit a full mock GCSE examination. The results are used to inform the planning for Year 11.

In **Year 11**, work accelerates further along with plenty of reviewing opportunities building towards a formal mock examination before the final examinations in June. All students are given multiple opportunities for additional study and targeted interventions are provided to support students to achieve their target grades.

### **Our Successes:**

The majority of students leave Chessington having achieved grades 9 to 4 in Mathematics at GCSE.

The proportion of students achieving the highest grades (7, 8 and 9) has increased over the years and we are confident it will continue to do so.

100% of students were awarded a grade in GCSE Mathematics (9 to 1) we aim to ensure that no student leaves school without a Maths qualification.

Many Students go on to further study Mathematics at A-Level.