



We aim to teach mathematics to our students in a way that encourages deeper thinking and understanding of both the topic they are learning and how it connects with other topics within the subject and life beyond the classroom.

Maths equips students with uniquely powerful ways to describe, analyse, predict and change the world around them. It can stimulate moments of pleasure and wonder for all students when they solve a problem for the first time, discover a more elegant solution, or notice hidden connections.

Students who are functional in mathematics are financially capable, and are able to think independently in applied and abstract ways that allow them to reason, solve problems and assess risks.

The Maths department aim to create a positive and vibrant learning environment – the access to a range of practical equipment and a number of software packages means we are able to present the subject in a variety of ways, thus capturing the interest of all our students.

Year 7 Mathematics – What to expect

- Designed to stretch and challenge students to develop deeper thinking and understanding of the fundamental building blocks of maths
- Heavily skills based, taking students from procedural based methods to a functional understanding and an ability to behave mathematically
- Focus on not just developing knowledge of individual topics, but also recognising the connections between them
- Homework is usually consolidation or pre-learning and is frequently electronic (whilst still requiring a pen and paper)

Home Support – How you can help

- Be positive about maths, even if you are not confident yourself
- Take any opportunity to discuss and use maths
 - o estimating bills or totals
 - o scaling recipes up or down
 - o playing darts, snooker or dominoes
 - o practicing times tables to develop or maintain fluency

- Make sure your child is prepared for their first maths lessons. They will need:
 - o A full set of equipment, including a ruler in cm and mm
 - o A geometry set
 - o A scientific calculator (We recommend the Casio fx-83GT CW, and these will be available to buy on-line from the school in September)

Over the Summer – How you can prepare

Keeping your child's maths going over the summer so that they are Secondary Ready is hugely important.

Maintaining fluency in times tables, as well as the four basic operations (addition, subtraction, multiplication and division) is crucial.

You may well already be aware of many resources available for Home Study given the last couple of years, but the [BBS Maths padlet](#) has a range of interesting resources and games, some of which you may not be familiar to you.

You can access the padlet at https://padlet.com/BBS_Maths/n9h11a2qxzev

We hope that this information is useful and relevant to you, but if you have any other questions, queries or concerns then please feel free to use our maths email address, maths.bbs@taw.org.uk and one of our team will be more than happy to help!