

# FREQUENTLY ASKED QUESTIONS: MATHS

- **Why is Maths important?** Mathematics is essential to our world; its knowledge is transferable to many situations both in every day and professional life. The importance of Mathematics is not only crucial for scientists or engineers, but it helps develop skills, such as analysing data, recognising patterns and making important generalisations. These skills and cultivating a logical way of thinking is highly beneficial for developing intelligence and has many applications in all aspects of life.
- **How many Maths lessons do you have per week?** Year 7 & Year 8 have 4 Maths lessons and Years 9-11 have 5 Maths lessons per week. Some students are given extra intervention lessons to help further boost their grade.
- **How much homework would I be set?** Our Maths students are set a weekly homework task on Hegarty Maths, which is an online resource for which every student has a username and password. The task has a video demonstrating worked examples, followed by a quiz. Hegarty Maths is also an excellent resource for independent revision, which our students like very much.
- **What would happen if I was struggling in Maths?** We hold a weekly 'Maths Surgery' during lunchtime, where a Maths teacher is present to help any students struggling with classwork or homework and to help them with any questions they may have. This is held in a computer room, so students are able to work on their Maths homework with teacher support. Furthermore, there are intervention sessions for students who require more support.
- **Which exam board do you use?** Edexcel.
- **Are there any enrichment opportunities?** We have a weekly Maths Club open to all students, in which fun puzzles and art with maths is explored. We also participate in the national UKMT competition, in which individual students can achieve a bronze, silver or gold award in the Junior and Intermediate challenges. We prepare selected students to participate in the regional team challenge, and we have done very well in these over the years.  
There are many events, enrichment lessons and even trips throughout the year to give students a wide, varied and rich mathematical education. Maths and Geography trips to the Peak district, lessons about decorating, population density and maths roadshows and many more are enjoyed by our students throughout their five years.
- **What resources do we use at TIGHS Maths?** The maths teachers plan lessons using a wide range of textbooks and exam board documents. Lessons are carefully matched to the national curriculum and ensure full coverage. The lessons are sequenced so that students slowly build their mathematical understanding over time and have opportunities to make links and connections with all the different branches of the subject.
- **How well do our students perform in Maths?**

GCSE RESULTS	% Grade 9 - 4	% Grade 9 -5
2018	93	85
2019	93	84
2020 (Teacher Prediction)	94	88

- **What do our students do after studying Maths?** Many of our students move on to studying Maths and Sciences at A-level or further qualifications. Lots of apprenticeships such as engineering and accounting also benefit from a good mathematical understanding and grade.