



The Mathematics and Computing Faculty

The Mathematics & Computing Faculty comprises of five full time members of teaching staff and a highly skilled HLTA. There are four full time Maths teachers, one teacher of Computing and Computer Science and also one HLTA. Every student has four Maths lessons a week and some students study GCSE Statistics at GCSE. A small proportion of students also receive extra numeracy lessons that are delivered by our HLTA through our Supported Pathway.

The main objective of the faculty is to provide students with stimulating and interesting teaching so that they can develop their mathematical and computing knowledge and skills, and to encourage their enjoyment of these subjects. We strive to equip them with a good grounding in the basics, a confidence to explore topics no matter what their ability, the necessary skills to achieve academic excellence and an appreciation of the value of both subjects.

The Faculty is currently made up of some excellent practitioners who also run Year 5 and 6 taster days, UKMT Intermediate and Higher Maths Challenges, chess clubs, support with Duke of Edinburgh and various other interventions. As aforementioned, some students are entered for the three National UKMT Mathematics Challenges with many going on to win gold certificates and progressing to subsequent rounds.

The faculty works very much as a team, with each member having particular responsibilities, sharing experience and ideas on working practices. The faculty is well resourced, including four dedicated Mathematics rooms that are equipped with interactive whiteboards. ICT is used extensively in the teaching of the subject and the faculty also has access to a dedicated IT suite. All members of the department have the opportunity to teach Top set Mathematics, and the recent GCSE results are as follows:

Year	Maths Progress 8 Score
2017	+0.27
2018	+0.12
2019	+0.11
2020	+0.31

Computing and Computer Science

We have one experienced computing teacher who delivers KS3 Computing and Computer Science as an option at KS4.

The Computing department aims to develop e-confident learners. At the start of KS3 we ensure that all students understand the basic software that they will be using in life - so we run units around the functionality of Office 365 and safe and effective use of the internet. Then we move on to look at the processes that run in the background of any computer system, whether that is through the study of computation or even learning programming skills. At KS4, the department offers Computer Science as a GCSE option subject and results have recently been improving year on year. However, more work needs to be done to ensure these are in line with the whole school positive Progress 8 score. At GCSE, students will be introduced to the Computer Systems architecture, computer memory and storage, wired and wireless networks, network topologies, system security and system software.

The successful candidate does NOT need to be a Computing teacher or have detailed working knowledge of the Computing Curriculum; however, they must be able to line manage this important department within their faculty.