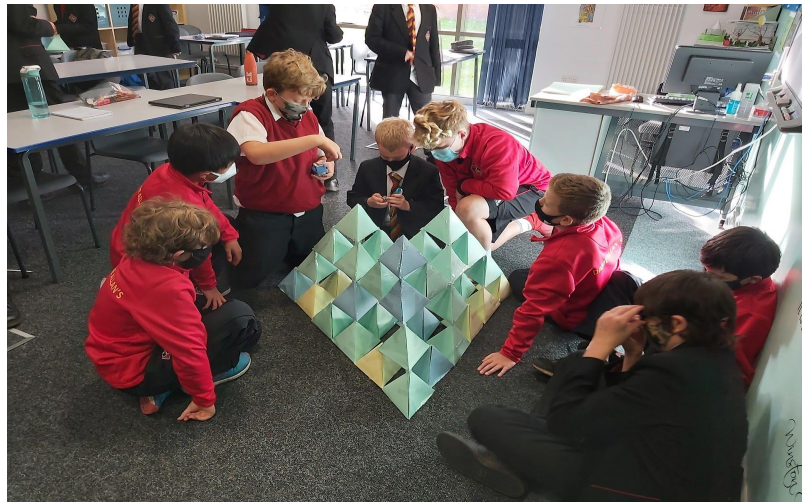


Mathematics Department Information

There is a strong expectation that Dame Allan's students will aim high, reach their full potential in examinations and become well-rounded individuals. The school operates a diamond structure with separate teaching of boys and girls from Years 7 to 11 inclusive. After the first half term in Year 7, all pupils are put into ability sets with the setting system then in place right through to GCSE. Pupils will study towards the Edexcel IGCSE in Year 11. For A level, we follow the Edexcel course. The mathematics A level is a popular option and with many students opting for the single A level and a large further mathematics class too. We operate a two-week timetable with five lessons a day, each of 65 minutes. In Years 7, 8 and 9 mathematics classes have six lessons every two weeks and this goes up to seven lessons in Years 10 and 11. Single A level classes have 10 lessons and further mathematics students attend 15 lessons every two weeks.

Even during the Covid crisis we have tried to keep the activities coming. Here are some Y7s safely in their bubble building a tetrahedron pyramid - they had to fold all the shapes and build smaller tetrahedra and then work as a team to bring it all together. Lots of fun!



Equipment and Facilities

All staff and students are provided with a Chromebook and staff use G Suite application, including Google Classroom, to provide access to lesson materials and to stretch students' knowledge in and outside of the classroom. The school has subscriptions to Edpuzzle, Mymaths, Mathsbox Kahoot, and JStor, supplemented by a departmental Socrative account.

The department consists of 11 members of staff who are committed to stretching the pupils and encouraging and expecting them to aim high and give of their best, as the teachers do.

Visits and Extracurricular

The school enters national mathematics competitions and various team competitions, including Ritangle, the National Cipher Challenge, the Young Engineers Award Scheme and Engineering Leaders Award. The maths teachers run a thriving puzzle club which usually meets on a weekly basis as a part of the extracurricular timetable as well as regular maths clinics.



We regularly enter the Engineering Leaders Award and always get an amazing set of entries from students which showcase really creative ideas, some of which have gone on to win the competition.

We provide excellent opportunities to experience different types and aspects of STEM and have developed strong connections with engineering in order to help students find out about different routes into engineering and the advancements in areas of construction, as well as help them to develop necessary skills. Examples include the Institution of Civil Engineers Bridge project where the students learnt to work as a team and think about different types of bridge design. We also have an excellent relationship with a local civil engineering firm who give talks and enable the students to learn about and handle the latest surveying equipment.



If you have any queries, or would like to discuss the post in more detail please do not hesitate to email the Head of Maths, Mr Ed Renshaw, e.renshaw@dameallans.co.uk