

Mathematics Department Details

The Mathematics Department is staffed by a strong core of experienced teachers, some new to the profession and a Graduate HLTA. Learning and teaching is at the core of everything we do and our vision is that our students aspire to achieve their full potential and develop a love of lifelong learning. We believe mathematics can be enjoyed by everyone and can be applied to make sense of an ever-changing world. We want our students to enjoy their experiences in lessons and to develop skills in communicating mathematically, problem solving and applying mathematics in an everyday, functional context. We enable teachers to teach as full a range of ages and abilities as is appropriate to their wishes and abilities, whenever this is consistent with curriculum needs. All of our department advance their teaching practice in a collaborative and supportive environment and we actively encourage innovation and use of action research.

Each full time member of the Department has their own dedicated teaching room, equipped with a PC and projector. All of the classrooms have a Promethean interactive whiteboard with Activ Inspire software. Teaching staff also have their own personal laptop.

Students are setted for Mathematics in two parallel groups, using data from national and internal tests, school transfer information and teacher assessment. Students are assessed using AFL techniques, weekly homework and undertake a summative assessment once a term. Setting is reviewed on a regular basis. Students with statements of Special Educational Needs receive classroom support and the department works closely with the Learning Support team in implementing the school SEN policy.

The Mathematics Department uses a wide range of different electronic, worksheet and textbook based resources within lessons. We also incorporate a range of investigative tasks within our curriculum, particularly for use with Key Stage 3.

At Key Stage 4, we follow the Edexcel GCSE specification.

At Post 16, we offer A level Mathematics to both at AS and A2 level, with Edexcel. We also provide A Level Further Mathematics to AS level. Students who failed to achieve a GCSE Grade C in Key Stage 4 are also given re-sit opportunities to achieve this grade.

Our sixth form are an extremely valued part of Nicholas Chamberlaine School who set the educational standard for the rest of our school's students.