

Hutchesons' Grammar School



Appointment of Senior Teacher of Mathematics

The Aims of the School

Hutchesons' Grammar School aims to provide boys and girls with a broad Scottish education, with the emphasis on academic excellence.

Founded in 1641, Hutchesons' is a famous school which has always been at the forefront of teaching and learning in Scotland. Nowadays, it is a large and dynamic school of great vitality and diversity, where around 1250 pupils from primary one right through to sixth year follow a broad curriculum, blending the traditional and the modern. Excellent teachers are one of Hutchesons' greatest strengths, along with the resources, training and support they need to do their job to the highest possible standards.

Hutchesons' pupils excel in a wide variety of sports both nationally and internationally, and the quality of performance in music, drama and the arts is equally high. All pupils can follow a structured programme in and out of the classroom which broadens their outlook and helps them develop their interests and enthusiasms. There are many opportunities for involvement in clubs and societies, community work and charity fund-raising, visits and tours both within the UK and abroad, and for the Duke of Edinburgh award scheme.

As individuals, Hutchesons' pupils are encouraged to develop confidence, self-discipline, integrity, courtesy and consideration for others. They are part of a large community of learners, where every individual is important. They learn to be thoughtful, articulate and well-read and to have a clear idea about how they want to live their lives beyond school and university.

Scots have always valued education very highly, and for over three centuries Hutchesons' has sent young men and women out into the world secure in the knowledge that they are part of that tradition.

Hutchesons' prides itself on being an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, gender reassignment, religion or belief, marital status, or pregnancy and maternity. If you have what it takes, we really want to hear from you.

The Mathematics Department

There are currently 12 full-time and part-time members of the department.

Pupils are taught Mathematics in classes of around 20. In S1 and S2 they follow a common course from which they progress to a study of National 5 in S3 and S4. During S4, the majority of pupils begin their study of Higher Mathematics. The Higher course is completed in S5 where more than half of the cohort obtains an 'A' grade. In S6, around 50 pupils study Advanced Higher Mathematics. Several optional courses are offered, according to individual pupil need. At every stage there are classes for pupils enhancing their study of the subject by studying more advanced topics. Every year, a number of pupils move forward to study Mathematics at a variety of universities including Oxford and Cambridge.

GENERAL

- Assist the Head of Department with the day-to-day administration and running of the department.
- Attend appropriate CPD opportunities, feeding back to the department and the wider school community when possible.
- Lead on, and deliver, new departmental and school initiatives as directed and discussed in consultation with the Head of Department.
- Assist the Head of Department with provision of materials and support for teachers and pupils for prelim and external examinations.
- Assist the Head of Department in identification of departmental CPD requirements.
- Assist the Head of Department as their representative with parents and at school events and meetings when necessary.

PASTORAL

- Assist the Head of Department in ensuring every member of the department is supported personally and professionally.
- Act as lead support for teachers of Higher and Advanced Higher providing mentorship and encouraging development particularly for staff new to the courses.

SUPPORT FOR LEARNING and ENRICHMENT

The Senior Teacher of Mathematics will help the Head of Department with work related to Support for Learning and Enrichment, with the Head of Department and Senior Teacher sharing the tasks outlined below.

Distribution of responsibilities will be dependent on the experiences and interests of the successful candidate. For example, this could entail ASfL and not Enrichment (or vice versa) or a selection of elements taken from both areas - but not all.

Additional Support for Learning

- Co-ordinate with the head of Additional Support for Learning to help meet additional support needs of all pupils.
- Support and encourage staff in identifying and helping targeted students with lower prior attainment and learning needs.

- Seek out CPD opportunities focused on support for learning in Mathematics, provide feedback and training for staff in the department.
- Maintain the AAA register and update regularly, help co-ordinate AAA in internal and SQA exams.
- Provide support for intermediate entrants and help staff provide targeted catch up.
- Liaise with the Primary school to help provide continuity in transition, share good practice and organise events and activities.

Enrichment

- Co-ordinate the preparation for and delivery of external competitions such as UKMT Challenges, Olympiad, Enterprising Mathematics etc.
- Seek and secure further opportunities for pupils to have inspiring and enriching experiences in Mathematics beyond the curriculum, i.e. outside speakers, lectures, trips.
- Support and encourage staff to provide extracurricular enrichment opportunities for pupils.
- Liaise with CDHE department to encourage more students to take Mathematics on to university.
- Provide support and advice for students sitting entrance assessments such as STEP, TMUA, MAT etc.
- Co-ordinate support for and mentor those students who are completing an IRP on a mathematical subject.

DEPARTMENTAL

- Assist Head of Department with monitoring of assessment policy and procedures.
- Assist Head of Department with monitoring of pupil attainment and identification of underachievement.
- Liaise with Head of Department regarding new pupils entering the school during term time.
- Provide support to pupils and teachers where extension is needed for a pupil who requires further challenge.
- Liaise with Head and Members of Department in organisation of class sets.
- Liaise with all colleagues in the Mathematics Department regarding extension and enrichment needs.
- Liaise with all colleagues in the Mathematics Department regarding support for learning needs.
- Provide consultancy for department staff in the preparation of departmental assessments.
- Manage the development and introduction of new materials.

TEACHING

Candidates should have experience at teaching up to at least Higher level in Mathematics. Teaching experience in the following would be welcomed:-

- Advanced Higher classes, including Pure, Mathematics of Mechanics and Statistics. Experience of A Level Further Maths content beyond the Advanced Higher curriculum is also valued.
- Preparing candidates for STEP, TMUE and other University entrance qualifications.

- Preparing candidates for UKMT competitions including the Mathematics Olympiad.
- Additional Support for Learning and working with pupils that require specialist intervention and support.