

THE DEPARTMENT

Working to deliver the Department's strategic vision is a highly talented and experienced team of nine full-time and two part-time Mathematics teachers.

Mathematics is a thriving department which offers pupils creative and exciting teaching throughout the age range at KS3, KS4 and KS5. A significant proportion of girls continue their study of Mathematics beyond A level with many submitting UCAS applications for Mathematics related degrees. Our teaching staff are well motivated, hard-working and able to stretch the most able sixth form pupils who are en route to Oxbridge or similar destinations, whilst also being able to use different strategies and techniques to teach across the ability range in all key-stages.

The aim of the Department is for all pupils to achieve the best possible level of attainment, understanding and appreciation of Mathematics. Our innovative and outward-looking subject teachers create exciting lessons in which to deliver the Mathematics curriculum and play a full part in departmental improvement projects.

Mathematics is an extremely popular and successful subject at STAHS, with over 85% Grade 9-7 for GCSE Maths and 93% A*-B for A level Maths (100% for Further Maths). Currently approximately half of students in Years 12 and 13 are studying A level Mathematics or Further Mathematics and we expect a similar proportion each year.

Years 7 to 11: In Year 7 the girls are taught in five mixed ability groups. Setting takes place at the end of Year 7. In Year 8 and 9 the girls are grouped into six sets. In Years 10 and 11 they are regrouped into seven sets. Girls are taught according to the same scheme of work, but there is variation in the depth to which topics are covered and the more able may cover extra material, some of which goes beyond GCSE level and includes preparation for A level. All sets are entered for the IGCSE (Edexcel) examination at the end of Year 11. The top two sets are also entered for an extra qualification, Extended Maths Level 2 Qualification (Edexcel).

Years 12 and 13: Students follow a course which prepares them for the Edexcel examinations. There are usually three or four single Mathematics groups and a Further Mathematics group in Year 12 and 13. The single groups cover the A level over two years, sitting all examinations at the end of Year 13. The Further Mathematics group is for students who intend to complete A level Mathematics followed by either AS or A level Further Mathematics, both to be sat in Year 13. Options offered include Pure Mathematics, Statistics, Mechanics and Decision Mathematics. Each group has two teachers. The department also prepares students for STEP, TMUA, ESAT or other related entrance examination papers.

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THE DEPARTMENT (Continued)

The department currently consists of 11 teachers. A weekly department meeting is held, run by the head of department. There is also a weekly CPD period, where we discuss pedagogy or teach each other new modules or work to improve our own knowledge. Each team member holds responsibility for the efficient running of the department: these responsibilities currently include Year Group Co-ordinator, Maths Challenges, Maths Extension Club, Maths Clinic, Co-ordination with the School Library and developing our electronic resources.

The department consists of a strong team which has a shared vision of excellence. There are department guidelines regarding what is taught, in the form of detailed schemes of work, and there are across-the-year tests to assess progress, organised by the Year Group Co-ordinator. Every classroom is equipped with an interactive whiteboard – the most recent SMART boards.

The department is fully committed to the integration of ICT within the teaching of Mathematics and a fundamental requirement of the successful candidate is that they are IT-literate and competent users of an Interactive Whiteboard or are willing to become so.

THE ROLE

Reporting to the Head of Department, the Teacher of Mathematics will be required to deliver exciting lessons to inspire our students. The post holder will be able to engage and enthuse pupils across the ability range in all Key Stages, whilst also being able to stretch the most able pupils who are enroute to Mathematics related degrees. We are looking for a candidate is able to teach Further Mathematics to A level and who can teach both Pure Mathematics and Applied Mathematics.

The Teacher of Mathematics will be required to take on a form tutor role and will contribute to the extra-curricular life of the school.

This is a permanent position offered on a full-time or part-time basis.

The preferred start date for this position is September 2026. A start date of January 2027 will be considered for the right candidate.

RESPONSIBILITIES

All teachers are appointed by the Head and are expected to:

- Plan and prepare relevant material to teach classes allocated to them, according to the policies of the department(s) to which they are accountable. Keep a record of their teaching.
- Set and mark pupil's work regularly and appropriately for the subject(s) taught; record marks, monitor and assess progress and write reports as required.
- Participate in the arrangements for preparing and assessing pupil's work for public examinations.
- Work positively and co-operatively as a member of a team to include liaising and working with colleagues in operating mark schemes, researching materials, keeping abreast of new developments and developing new courses.
- Take part in professional development including training.
- Share in pastoral responsibility for all pupils in school and especially for those in their tutor or teaching groups, liaising where appropriate with pastoral staff.
- Maintain good order and discipline among pupils, safeguarding their health and safety at all times when they are the responsibility of the school. The teacher must be familiar with the school and departmental policies on discipline and health and safety.
- Share in supervisory and general duties; uphold good standards of behaviour and punctuality among pupils.
- Attend staff meetings and participate in working groups as required.
- Attend Assemblies and as often as is reasonable other school functions, playing an active part in wider aspects of school life including extra-curricular activities.
- Attend Parents' Evenings.
- Be a part of the School's performance management programme.
- Adhere to School policies.

In addition to the above, the post holder will carry out any other professional duties as reasonably required by the Head.

The High School is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment. Applicants will be required to undergo child protection screening appropriate to the post, including checks with past employers and the Disclosure and Barring Service.

PERSON SPECIFICATION

The successful candidate will be required to fulfil all of the duties, as outlined in the job description. In addition to this, the candidate should possess the following competencies which are essential to this position:

QUALIFICATIONS & EXPERIENCE

- Experience as an excellent classroom teacher
- Degree level qualification
- Post graduate professional qualification e.g. PGCE
- Strong level of scholarship in Mathematics and Further Mathematics

SKILLS & KNOWLEDGE

- A commitment to developing innovative and stimulating lessons
- Evidence of continued professional development
- ICT literate
- Excellent time management and organisational skills
- A commitment to getting to know each student as an individual learner
- Knowledge and experience of using various types of technology to enhance teaching and learning
- Strong problem solving skills
- Excellent communication skills, particularly when addressing staff, pupils or parents directly
- Ambitious to establish and develop actual and virtual links with the wider school community and beyond

PERSONAL QUALITIES

- A passion for their subject and its relevance today and an ability to convey this to students
- Hard working team player, with a positive/enthusiastic attitude
- Proactive - ability to lead new initiatives
- Eager to improve your own professional skills
- Flexible – in order to accommodate changes in work priorities, using own initiative and prioritising effectively
- Reflective
- Understand and respect the principles of confidentiality
- High professional standards of yourself and students
- Ability to think creatively and demonstrate initiative, dealing calmly with different situations as they arise

PHILOSOPHY AND ETHOS

- A commitment to safeguarding and promoting the welfare of children and young people
- Ability to form and maintain appropriate relationships and personal boundaries with children
- A commitment to the ethos and strategic direction of the school.
- Strong support for the School's mission and values
- Be a good role model