Teacher of Mathematics with Computer Science

Sir Roger Manwood's Grammar School

A friendly and dynamic mixed grammar school in Kent where staff and students thrive.

Welcome

SRMS is a great place to work and teach – it is a friendly, dynamic school where both staff and students thrive because they are highly valued.

We are looking for an enthusiastic and well-qualified teacher to join our experienced and successful Mathematics and Computer Science departments. The successful candidate will be able to teach Mathematics to A Level (Further Mathematics an advantage) and Computer Science to Key Stage 3. The successful candidate should expect to teach approximately 50% of each subject. For those with the knowledge and skills to teach Computer Science but not the experience, support will be provided, as well as comprehensive resources.

Our students are bright, able and eager to learn, and due to our environment of excellent behaviour, teachers are able to teach their subjects to a high level. We are preparing to embark on a new strategic development plan for the school, which values a rounded education that not only delivers outstanding academic outcomes but also encourages participation in the wider life of the school and development of skills or life, including leadership, collaboration and independence.

Mathematics department

The Mathematics Department consists of 7 teachers, two of whom are part time.

The department has a combination of staff who have been teaching for many years as well as those who are relatively new to the profession. The department is mutually supportive, sharing in the responsibility for the progress of all of the pupils in its care. Due to the highly qualified and dedicated staff in the department, results are good, with the A Level results among the best in the school.

At Key Stage 3, the subject is taught in mixed ability groups for years 7 and 8 and the groups are broadly set according to ability in year 9. The normal class size is 32. Pupils have 6 one-hour periods per fortnight. The curriculum is based on a 5-year preparation for GCSE using the SMP Interact series, Oxford Excel GCSE Maths Foundation textbooks and a shared resource bank.

All Key Stage 4, pupils sit the Edexcel GCSE examination, and the main textbooks are the Oxford Excel GCSE Mathematics Higher and the SMP Interact Higher. They have 7 periods in each of these years, with the year group split in half and each half then arranged into 3 broad ability sets. All but a handful of students sit the higher tier papers, and it is exceptional that a pupil fails to achieve at least a grade 4.

The A level specification is Edexcel. Students have 9 one-hour periods in Year 12 and Year 13 if studying A Level Mathematics, and 15 periods in each year if doing Double Mathematics i.e. covering A Level Mathematics and A Level Further Mathematics across Years 12 & 13. Experience in teaching the new curriculum has allowed flexibility in teaching across the two years of the A level courses with a combination of the Pearson/CGP/Oxford series textbooks. In addition, when possible AQA 'Mathematical Studies' is delivered to Year 12 to encourage more students to continue with Mathematics post GCSE.

Computer Science department

All Computer Science lessons are taught in one of the School's three computer rooms.

The School is lucky to have a well-qualified and enthusiastic IT technician, supported by a dedicated Network Manager. The department is well serviced by their combined expertise and proactive approach.

At Key Stage 3, Computer Science is taught in form groups of up to 32 students. Over a two-week timetable, each class receives two 1-hour lessons.

At Key Stage 4, OCR Computer Science GCSE is offered, with between one and two classes running in each of Year 10 and Year 11. Over a two-week timetable, five hours are allocated to Computer Science.

A Level Computer Science is currently offered at Key Stage 5 through the OCR exam board, and we're proud to have built up a strong track record of successful results in recent years. Interest in programming and Computer Science is growing rapidly across the lower school, and we believe there is significant potential to expand and develop the subject further.

Job Description

All members of the teaching staff are subject to the general duties and responsibilities contained in the current "School Teachers' Pay and Conditions" document.

Line of responsibility

The teacher is directly responsible to the Head of Department on curriculum matters and the Head of Year for pastoral issues.

Job content

The basic duties of a teacher are outlined in the current Teaching Standards. They shall maintain a good understanding of whole school curriculum, teaching and learning, assessment and pastoral policies.

Core responsibilities

Teaching and learning:

- Contribute to curriculum sequencing and design of schemes of work
- Plan work in accordance with departmental schemes of work and national curriculum programmes of study
- Take account of students' prior levels of attainment and use them to set future targets and inform planning
- Set appropriate and challenging work for all students
- Maintain good discipline by following the Behaviour for Learning policies and procedures
- Ensure punctuality and establish a purposeful working atmosphere during all learning activities
- Ensure effective setting of homework and provide comprehensive feedback to students
- Identify and work appropriately with 'special educational needs', 'academically more able' and 'disadvantaged' students
- Set work when required for absent students
- Attend parents' evenings as required and keep parents informed about their child's performance and future targets

Job Description continued

Assessment, recording and reporting:

- Keep accurate records of students' work in line with school's Assessment and Marking policy

- Mark and return work set, including homework within an agreed and reasonable time and in line with the school's Assessment and Marking policy

- Use the school's marking scheme at all times; including guidance on literacy

- Complete records of achievement in line with school policy

- Complete student reports in line with school policy

Post threshold teachers:

As a post threshold teacher, to act as a role model for teaching and learning, to make a distinctive contribution to raising standards across the school, to continue to develop own expertise, provide a sustained and consistent collaborative contribution to the wider work of the school, either internally or outside the school, proactively seek, create and lead on opportunities that have a demonstrably positive impact on creating an outstanding learning environment, and provide regular coaching and mentoring to less experienced teachers.

Pastoral work (Form Tutor):

- Follow schemes of work provided by Heads of Year or Senior Leadership Team

- Being aware of the strengths and needs of each student

- Undertaking regular tutor reviews with students, providing advice as necessary on strategies to develop key skills and achieve examination targets in all subjects

- Monitoring and providing appropriate advice and guidance on individual student's progress in respect to attendance, homework, behaviour management and acceptable standards of conduct and appearance

- Promoting high standards of behaviour and attitudes to work within the group

- Promptly completing administrative tasks relating to the group

- Other tasks appropriate to the tutor role; including creating a positive form environment

Job Description continued

General:

- The teacher will be part of the school's appraisal scheme. Theye will have a team leader who will set agreed targets for the year. The team leader will monitor and review performance, including classroom teaching. The school will support the continuing professional development of all staff, to ensure that their expertise is being kept up to date

- Update knowledge at a subject and national level by keeping up to date on research and inspection findings and other pedagogical information

- Keep ICT skills updated to ensure effective use of technology

- Demonstrate commitment to own professional development

- Demonstrate commitment to the extra curricular life of the school

- Attend and contribute to key stage, subject, team and full staff meetings

- Contribute towards the goals and targets in the school's strategic plan

- Maintain a professional interest in educational initiatives relevant to the teacher's subject(s)

- The post holder is required to support and encourage the school's ethos and its objectives, policies and procedures as agreed by the governing body

- To uphold the school's Staff Code of Conduct and policies in respect of child protection and safeguarding matters

The post holder may be required to perform any other reasonable tasks commensurate with a teaching post and in line with the school's terms and conditions.

This job description allocates duties and responsibilities but does not direct the particular amount of time to be spent on carrying them out and no part of it may be so construed.

This job description is not necessarily a comprehensive definition of the post and may be subject to modification.

Engage, Explore, Excel

Person specification

Teaching and Learning

- possess and demonstrate excellent and up to date subject knowledge underpinned by a good honours degree in either Mathematics, Computer Science, or a related degree

- possess a postgraduate teaching qualification (including QTS)

- demonstrate outstanding teaching practice at Key Stages 3, 4 and 5, including having high aspirations for their students

- able to teach Mathematics to A Level and Computer Science to at least KS3

Pastoral

- demonstrate the ability to lead, inspire, motivate and support pupils in their learning

- develop positive and professional working relationships with pupils and parents

- demonstrate the ability to create positive rapport with students

- be an energetic and supportive form tutor

Extra Curricular

- be willing to positively contribute to the extra-curricular life of the department and school, including running lunch time sessions and competitions and overseas visits

Professionalism

- be able to evidence relevant professional development

- be willing to assist in the development of the department and in the creation of new schemes of work

- demonstrate an ability to work as part of a team in a successful and dynamic department

- demonstrate excellent ICT, organisational and administrative skills

- be confident and competent in relevant Health & Safety matters

- demonstrate high levels of personal and professional integrity

- present themselves to the highest standards of personal presentation

- communicate effectively both orally and in writing to a variety of audiences

- be able to work flexibly, demonstrating an ability to be proactive, and self-directive while remaining positive and energetic

- be committed to their own professional development

- have the ability to inspire and motivate students

- be committed to the values of Sir Roger Manwood's School

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