



KING'S
GLOUCESTER
SINCE 1541

JOB DESCRIPTION

Part-time Teacher of Mathematics (and ideally Computer Science)

Required: September 2019

Line Manager: Head of Mathematics and Computing

Role

The Headmaster is looking to appoint a high achieving graduate to teach Mathematics, and ideally Computer Science, within a highly successful department. The timetable allocation is likely to be in the region of 0.3 to 0.6, with the possibility to increase next year, as Computer Science again looks to grow at KS4 and at KS5. The successful candidate will have a genuine enthusiasm for Mathematics and Computer Science and be well placed to generate and sustain a high degree of motivation and achievement in all pupils. It is anticipated that the post holder will assist the FT Computer Science teacher to lead the introduction of A Level Computer Science this September, and there may be opportunities to teach at KS2, as King's is a 3-18 Independent School. Candidates who are solely interested in teaching Mathematics should still apply as we may be able to allocate existing staff to teach the additional Computer Science.

The Department

The Mathematics and Computing Department is an energetic, supportive and innovative department. A FT teacher of Computer Science has been in post since September 2018 and, due to the popularity and take up at GCSE and A-level, the School is now in need of a PT teacher of Computer Science and Mathematics for 2019-20. Computer Science teaching takes place in purpose-built ICT suites equipped with IWBs, headphones, VR headsets and microbits and, as a Cyber Hub Spoke school, we have access to a wealth of cyber technology and real-world scenarios to illustrate cyber security and threats. Computer Science is a core subject at KS3, with Computer Science being an option at GCSE and A level. The current exam board is OCR. The department is developing an extensive range of resources for delivering a highly engaging curriculum, including specialist software (for example for mobile App development) and a lifetime subscription to teaching units provided by PG Online.

In Mathematics, pupils are set from very early on in Year 7 and follow a scheme of work which covers the common content of the new Edexcel IGCSE and GCSE specifications before moving on to the IGCSE specific topics. The majority of pupils are entered for the Higher tier. The Schemes of Work allow for flexibility so teachers can tailor their teaching to their class, ensuring that all students make the best possible progress. We do not rule out entering pupils for the GCSE instead of the IGCSE should this qualification become more accessible. Pupils in Set 1 in Year 11 are offered the opportunity to study for the Additional Mathematics FSMQ. Mathematics is a popular choice at A Level and, amongst our select group of further mathematicians, we have great success; with those applying to Oxford University to study Physics or Mathematics receiving offers.

The teaching of Mathematics occurs in five rooms, each of which has an IWB or interactive TV screen and a visualiser. The Pearson text books are used at A-Level. For Years 7-11 there is no prescribed text book but the teacher is free to choose one if they want to, with the Michael White books being a popular option. Classes are shared out fairly to ensure FT teachers experience the full range of abilities within their timetable.

Students are actively encouraged to take part in national competitions, such as the CyberFirst Girls competition. Select students are entered for the UKMT Mathematics Challenges. Teams of four students are also chosen to represent the School in the Team Challenge events. Cross-curricular links and projects are incorporated in the Schemes of Work. The department organises an exciting range of trips, such as

the residential trip to Florence to explore the mathematical discoveries of the Renaissance, and contributes to the Academic Enrichment programme, running sessions on topics such as Geodesic Domes and Chaos Theory, as well as offering a lunchtime Coding Club.

The post could suit an NQT who desires to start in the profession teaching a range of abilities in a school with exceedingly well-behaved students in small classes, ranging from 6 pupils up to a maximum of 18. Nonetheless, experienced teachers are also encouraged to apply as the best candidate will be appointed.

Timetable, induction and training

The School operates to a ten-day timetable cycle, consisting of 60 periods. Full-time members of staff teach 48 periods per cycle. Newly qualified teachers receive a 7 period remission in their first year for training and induction.

Experienced applicants without formal teaching qualifications will be considered for this position. The King's School has a strong record of training and developing teachers in situ, and there are opportunities for further development at every level. King's supports unqualified teachers in achieving Qualified Teacher Status and the HMC Teacher Training Post Graduate Certificate of Education qualification whilst working at the School, and the School is fully accredited to participate in the Independent Schools Teacher Induction Panel NQT Programme, and NQTs are provided with a comprehensive induction and mentoring programme which supports them in achieving qualified teacher status (QTS). For applicants without a teaching qualification we are looking for a high level of subject knowledge, enthusiasm, good communication skills, patience, an empathy with young people and a desire to get involved in the extra-curricular life of the School.

Main Duties

The following duties shall be deemed to be included in the professional duties which the Teacher may be required to perform:

- First class teaching throughout the School in a manner appropriate to students' ages and abilities.
- Assessing and recording students' progress in accordance with departmental and School policies.
- Promoting and teaching KS3/GCSE/IGCSE/A Level through well-planned and well delivered teaching that is consistently good or outstanding over time.
- Attending and contributing to departmental meetings.
- Developing and sharing teaching and learning resources.
- Monitoring the work and progress of pupils, including those with specific learning needs.
- Maintaining professional skills through INSET and our Continuing Professional Development programme.
- Being proactive in exploring innovative ways of delivering Computer Science through the curriculum.
- Producing displays to create an attractive learning environment.
- Contributing to the extra-curricular life of the School through the Activities and Academic Enrichment Programme or other appropriate commitment.
- Taking part in the pastoral life of the School as a Form Co-Tutor or Cover Tutor.
- Promoting and safeguarding the welfare of children and young persons for whom you are responsible and with whom you come into contact.
- Any other tasks or responsibilities that may reasonably be assigned by the Headmaster.

Personal Profile

The successful candidate should have the following:

- Degree Level related to Computer Science and/or Mathematics
- Experience of teaching at KS3-5
- Uses dynamic, effective teaching strategies that engage all learners
- Experience of using programming languages eg Python, Java etc.

- Excellent written and oral communication, numerical and interpersonal skills
- Excellent organisational skills
- Able to work under pressure, plan and prioritise own workload remaining professional at all times
- Initiative and resourcefulness; able to produce excellent teaching plans
- Able to deliver high standards, accuracy and attention to detail, meeting all deadlines
- Enthusiastic and passionate about the subject, the School and the pupils
- Willing to undertake further professional development

Desirable

- Further post-graduate qualifications relating to Computer Science
- PGCE
- QTS

Salary

TBC – depending on qualifications and experience

Benefits

- Contributory Pension Scheme
- Generous Fees Remission
- Lunches
- Parking

Applications

Candidates should apply by completing the application form and a letter of application. A CV is not required. Applications should be addressed to:

The Headmaster, The King's School, Gloucester, GL1 2BG.

Closing date is Wednesday 24th April at 12 noon, with interviews taking place on Thursday 2nd May.

e-mail: k.woodcock@thekingsschool.co.uk

Website: www.thekingsschool.co.uk

The King's School is committed to safeguarding and promoting the welfare of children and applicants must be willing to undergo child protection screening appropriate to the post including: references from previous employers, a Disclosure and Barring Service check at the enhanced level, as well as eligibility to work in the UK (in compliance with UK immigration regulations). Interviews will be conducted in person, and they will explore candidates' suitability to work with children