

## **Full Time or Part Time Teacher of Mathematics September 2019 or January 2020**

### **The Mathematics Department**

The Mathematics Department is seeking a dynamic and motivated individual with a passion for Mathematics to become a full-time Teacher of Mathematics from September 2019. The person appointed will join a team of 8 people, consisting of 5 full-time, two part-time teachers and a specialist Teaching Assistant. Applicants will, preferably, have the expertise to teach across the full age range and ability, from years 7 – 13.

The Mathematics Department is housed in its own suite of rooms with a workplace for staff. Each Mathematics classroom is equipped with a touchscreen. The department is well-resourced in terms of teaching and learning materials. In addition, the department has its own set of 23 wireless and networked laptops. These offer networked software, including Omnigraph and Autograph, in addition to internet access to programmes such as MyMaths, Integral and Maths Net A-Level. The Mathematics department is well-equipped and has a wide range of resources.

The Schemes of Work are closely linked to the National Curriculum in Years 7 – 11 and students are placed in sets according to ability as soon as they enter the senior school in Year 7. Years 7 -8 receive 8 periods of 55 minutes teaching, and those in Year 9 are taught for 9 periods, whilst those in Years 10-11 are taught for 7 periods. AS and A level students are allocated 11 periods per fortnight. Students are regularly tested in all Years and their progress is closely monitored. CATS (Cognitive Ability Test Scores) and ALPS (A Level Performance Systems) are also used to assess and inform future planning. Ratcliffe College Mathematics department has been in the top 1% of ALPS schools for adding value for 3 of the last 5 years. The GCSE value added scores, each year, for Mathematics are also very high and the residual score for each student averages +0.7.

The EDEXCEL (1MA1) examination syllabus is followed at GCSE. Currently, the lower sets students take the Foundation Tier. The Mathematics department is the most successful in the school and regularly obtains close to 100% 9-4 grades at GCSE and, on average, approximately half of the students gain a grade 7, 8 or 9. In addition to GCSE Mathematics, the top set is entered for AQA Level 2 Further Mathematics and, on average, 60% of the students achieve A\*\* - A grades.

The EDEXCEL course is followed at A level and for Mathematics and Further Mathematics. The mathematics department achieves a 100% pass rate and averages 90% of grades at A\*/A/B. Many students leave Ratcliffe and study Mathematics, or a related degree, at high ranking universities.

A House Mathematics Competition runs for years 7 – 13, and all years enter the United Kingdom Mathematics Trust (UKMT) National Mathematics Challenge. Students regularly qualify for the follow on rounds. The school also enters teams for the Intermediate and Senior UKMT Team competitions and host the Intermediate Team Challenge Regional Final bi-annually. In addition, the 'Mathematics Day' at Drayton Manor Theme Park is an annual event for all the Year 8 students.

Raising standards of students' achievement, and providing them with quality learning experiences, is highly valued. In-service training is acknowledged as an essential part of this process. All members of the department are expected to keep up to date with current trends and are actively encouraged to attend relevant courses that will enable them to do so. In addition, all members of the department

offer extra-curricular activities within the Department; ensure that students' work is regularly displayed; contribute to the development of the Department, take responsibilities in key areas and have the desire to improve their teaching of Mathematics. Career enhancement and development is an integral part of the department's ethos.

## Job Profile

The person appointed will join a team of 8 people, consisting of 5 full-time and one part-time member. Preferably, they will have the expertise to teach across the full age range and ability, from years 7 – 13. The person appointed will be expected to:

- Contribute to the development of the schemes of work in areas of interest and strength.
- Contribute to the production and development of departmental resources.
- Regularly mark pupils' work according to departmental and whole school policy.
- Maintain accurate records of pupils' achievement and monitor their performance.
- Attend department meetings.
- Recognise and reward success in its broadest sense.
- Attend relevant courses according to their professional development needs.
- Manage and maintain the classroom they will teach in and ensure that pupils' work is displayed.
- Contribute to revision programmes: these are devised for those pupils sitting external examinations and all members of the team contribute to its smooth running and play a part in ensuring that the pupils they teach adhere to the programme.
- Encourage and offer extra-curricular activities, on a pro-rata basis, within the department and within the whole school environment.
- Teach KS3, KS4 and A level.

## Basic Terms

Salary: There is an excellent salary available for this post. Children of staff who are eligible for the School receive staff discounts on fees currently set at 50% of the day fees (this benefit may be subject to means-testing in the future). Subsidised lunches and coffee are available. Furthermore, the School participates in the Teachers' Pension Scheme.

## Application Process

Candidates are asked to complete an application form and support this with a letter of application, as soon as possible, but no later than **1pm on Thursday, 20 June 2019**. Applications should be sent by post or email to the HR Manager, Mrs Jane Orton, email, [hr@ratcliffcollege.com](mailto:hr@ratcliffcollege.com), together with a covering letter addressed to the Headmaster. Shortlisted candidates will be expected to prepare and teach a lesson (the details of which will be forwarded) as part of the interview programme. Interviews for this post will be held on **Friday, 28 June 2019**.

If you require any additional information regarding the Mathematics Department, please do not hesitate in contacting the Head of Mathematics, Mr Gary Higham, e mail [GHigham@ratcliffcollege.com](mailto:GHigham@ratcliffcollege.com)