



## Lead Teacher (Outreach)

### King's College London Mathematics School

- Part-time or Full-time (0.6FTE-1.0FTE)
- Start date 1 January 2023, or earlier if possible
- Full-time Salary £40,226 - £47,624 depending on experience

#### Job pack contents:

- Application procedure
- Information about King's College London Mathematics School, and the post;
- Job description;
- Person specification.

## Application Procedure

Should you wish to apply for this position please send the following:

- A completed application form, and
- An Equality and Diversity reporting form

Links to these documents can be found on our [website](#).

You may include a curriculum vitae and/or covering letter as well as, but not in place of, the application form.

Applications should be made electronically in Word or PDF format by email to [mathsschool@kcl.ac.uk](mailto:mathsschool@kcl.ac.uk). Enquiries may be made to Tiffany Woods-Shepherd, Director of Widening Participation and Outreach, using the same email address.

**Closing date: 09:00 on Monday 4 July.**

**Interviews will be held on: Wednesday 13 July.**

Please advise your referees that they may be contacted and asked to provide a reference at short notice.

## King's College London Mathematics School (KCLMS)

<https://www.kingsmathsschool.com/>

King's College London Mathematics School is for students with a particular aptitude and enthusiasm for mathematics, and aims to widen participation in mathematical degrees and careers at the very best institutions. The state-funded school was opened in September 2014 by King's College London, and since then its students have consistently achieved unparalleled attainment and progress through A Level results that have established the school as the top performing school in the country. Following the school's success, maths schools are now being opened by universities across the UK. The school was recently awarded State Sixth Form School of the Decade by The Sunday Times.

### The curriculum

Our aim for the curriculum is for it to not only ensure excellent progress and attainment at A-level, but also to prepare students for successful further study and careers in the mathematical sciences.

All students at the school take Mathematics, Further Mathematics and Physics to A-level, and either Computer Science or Economics to AS-level. They also take part in an extended curriculum that develops research, independence, literacy and communication skills, and that encourages the development of interests and of a healthy lifestyle. The school's educational ethos involves supporting students' future fulfilment by enabling confident self-expression both within and without our curriculum.

Students are prepared throughout their time at the school for the most challenging qualifications at sixth form level, including the STEP (Sixth Term Examination Paper, set by the University of Cambridge). They are also prepared to enter the many individual challenges and team competitions that are available in mathematics, physics and computer science.

### The link to King's College London

King's College London is one of the top 10 universities in Europe (*Times Higher Education World University Rankings 2020*) and the fourth oldest in England. It is the sponsoring organisation for KCLMS, and the university maintains strong strategic and operational links with the school. Strategic oversight is provided by the university through the school's governance structures, and academics from the faculty of Natural, Mathematical and Engineering Sciences interact with KCLMS students by teaching extension programmes and mentoring groups of students working on extended research projects.

### Site and Size

The school is located on Lambeth Walk, near to the Imperial War Museum and a short walk from King's College London's Waterloo campus. The school has 150 students split between year 12 and year 13.

### Admissions Policy

KCLMS operates a selective admissions process. The key entry requirements are:

- At least seven GCSEs at grade 5-9, including: Mathematics (grade 8 or better), Physics or dual award science (grade 7 or better), and English Language (grade 5-9);
- A threshold score in a mathematical entry test set by KCLMS;
- A successful interview in which the school will further assess applicants' ability to benefit from the experience of attending a specialist mathematics school.

The school is committed to recruiting a significant proportion of students from socially and financially disadvantaged backgrounds, and to an outreach programme to further this objective.

### Outreach

KCLMS aims to be a centre of excellence for the teaching of mathematics and its applications. The school supports high-attaining students from disadvantaged or under-represented backgrounds across London, to develop their mathematical skillset. We also works with teachers to provide professional development around the teaching of Mathematics, Physics, and Further Mathematics A Levels.

## **Why work for King's Maths School?**

At King's Maths School we are proud to be an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees. Benefits include:

- Being part of a small, knowledgeable and fun team.
- The opportunity to work with young people who are deeply curious, focused and ambitious.
- 3 flexible holiday days per year that can be used during term-time to engage with opportunities that would otherwise be difficult for teachers to attend.
- A highly collaborative ethos including group lesson planning.
- Family leave benefits that are better than the industry standard, including for adoption and surrogacy.
- A later start, with lessons commencing at 09:25.
- A cycle to work scheme, bike shed and changing facilities.
- Access to King's College London's research and learning facilities.
- Opportunities to attend a range of cultural events for free as part of our cultural programme.
- A progressive staff wellbeing policy.

## **Lead Teacher of Outreach**

Widening participation in the mathematical sciences is a core focus area of King's College London Mathematics School; it is part of the reason the school was founded and we run an extensive outreach programme to facilitate this. The school is seeking to appoint a motivated and inspirational teacher, leader, and manager to run the school's extensive outreach programme to realise the widening participation and outreach vision and ambitions for the school.

The Lead Teacher of Outreach is responsible for managing the school's outreach programmes and for leading the team delivering them. They lead by example in delivering programmes themselves and demonstrating outstanding teaching. They will take responsibility for ensuring there is a full scheme of work in place and the session contents are of a high quality. This will be in part through creating content themselves but also by working with the other teachers and in particular the Physics Outreach Coordinator and Maths Outreach Coordinator.

The Lead Teacher of Outreach will work closely with the Director of Outreach and Widening Participation to ensure the strategic outcomes of the outreach. An important next step for the school's outreach strategy is to build close working relationships with local schools and the Lead Teacher of Outreach will be responsible for creating and managing some of these relationships.

The Lead Teacher (Outreach) post is a part-time post (0.6-0.8FTE, or 3-4 days per week). For the appropriately qualified and skilled candidate there is the opportunity to extend the post to a full-time post by teaching mathematics or physics to KCLMS classes. Candidates are asked to state their preference in their supporting statement.

We don't want potential candidates to be put off if they believe they do not meet every one of the qualifications as described in a job description. We are most interested in finding the best candidate for the job, and that candidate may be one who comes from a less traditional background. We would encourage you to apply, even if you don't believe you meet every one of our qualifications described.

The post will commence from 1 January 2023, or earlier if possible.

# Job description

Post title	Lead Teacher of Outreach
Responsible to	Director of Outreach and Widening Participation

## Role outline

The Lead Teacher of Outreach is responsible for managing the school's outreach programmes and for leading the team delivering them. They lead by example in delivering programmes themselves and demonstrating outstanding teaching. They manage relationships within the school and externally with colleagues in local schools and work closely with the Director of Outreach and Widening Participation to ensure the school's outreach mission is fulfilled.

The Lead Teacher (Outreach) post is a part-time post (0.6-0.8FTE, or 3-4 days per week). For the appropriately qualified and skilled candidate there is the opportunity to extend the post to a full-time post by teaching one of the core subjects delivered by the school (mathematics or physics).

## Responsibilities and Activities

### 1. Leadership and Management

- 1.1. To lead and manage the school's programme of outreach for students. This programme currently includes:
  - Weekly sessions
    - GCSE+ Maths (Y9-Y11)
    - GCSE+ Physics (Y9-Y11)
    - MESME Maths Circles (Y7-Y9)
    - Extension Physics Y12 - Y13
    - Extension Maths Y12 - Y13
    - Extension Maths Y13 (STEP)
  - Annual sessions
    - REVISION+ one week Easter revision school for year 11s (note this is directed time for 4 days of the Easter break)
    - Girls like Maths (and Physics!) one week Summer school for year 10 female-identifying students
    - Step up to A level Summer School one week Summer school for year 11s planning to study Maths, Physics, or Further Maths at A level
  - Ad hoc sessions
    - Primary masterclasses throughout the year
    - Admissions support (mock interviews and specimen question feedback)
- 1.2. To lead by example in teaching on KCLMS outreach programmes. Outreach programmes run until 18:30 on Mondays and Thursdays and the LT Outreach is expected to deliver on one of those evenings with occasional need to stay to observe a session on the second evening
- 1.3. To project manage and liaise with KCLMS staff who have assigned responsibilities across all outreach programmes, especially the Maths Outreach Coordinator and Physics Outreach Coordinator, who will likely be your line managees. This includes facilitating regular planning meetings through the term, and supporting any inexperienced staff members to develop their outreach teaching
- 1.4. To devise, coordinate and manage a quality scheme of learning for all directly managed outreach programmes.
- 1.5. To be accountable for the overall delivery and quality of directly managed outreach programmes and to work closely with the Deputy Head to ensure outreach teaching is assessed within the school's annual quality assurance cycle, including conducting learning walks, book looks and

facilitating student voice

- 1.6. To prioritise at all times the safety and well-being of the students on our outreach programmes by following the Welfare & Safeguarding policies.
- 1.7. To build strong and lasting relationships with local schools, and sustain and develop existing ones, to create a network of local schools with whom we work closely through our outreach programmes
- 1.8. To report to the Director of Outreach in the evaluation of outreach programmes, in the implementation of the outreach strategy, and on all matters relating to staffing of outreach activity.

## **2. Learning and Teaching**

- 2.1. In partnership with appropriate senior staff, to establish and sustain high-quality, expert outreach teaching, built on an evidence-informed understanding of effective learning and teaching and drawing on the successful methods of learning and teaching at KCLMS.
- 2.2. In partnership with appropriate senior staff, to ensure that a positive, engaged and innovative culture of learning and teaching is cultivated and remains at the heart of the school's outreach operation.
- 2.3. To lead by example in teaching on KCLMS outreach programmes.
- 2.4. For the appropriately qualified applicant looking to apply for the full-time position: to teach one or our A Level subjects to KCLMS classes and in doing so to meet the full responsibilities of a KCLMS teacher.

## **3. As a member of staff**

- 3.1. To contribute to a programme of after-school and lunchtime academic enrichment and co-curricular activities
- 3.2. To participate in recruitment events such as Open Evenings, Taster Days and Interview Days, some of which take place on weekday evenings or at weekends (up to a maximum of 5 days per year)
- 3.3. To lead or assist offsite trips and visits (any necessary training, for example around First Aid or Risk Assessment, will be provided).
- 3.4. To contribute to the establishment and maintenance of a caring, positive, safe and stimulating environment for each student at KCLMS.
- 3.5. To prioritise at all times the safety and well-being of the students by following the Welfare & Safeguarding policies.
- 3.6. To attend INSET days and demonstrate a personal commitment to be fully up-to-date with training.
- 3.7. To take a share of the duties around student supervision.
- 3.8. To provide cover for absent colleagues, and participate in arrangements for students' supervision during public examinations.
- 3.9. To undertake any other duties which may be reasonably required by Senior Leaders.

# Person specification

## Eligibility to work in the United Kingdom

The advertising of this post has not been compliant with UKBA guidelines for candidates who need to apply for a Certificate of Sponsorship to work in the UK.

Criteria	E S S E N T I A L	D E S I R A B L E	HOW IDENTIFIED AND ASSESSED  AP Application I Interview R References
<b>Education/qualification and training</b>			
Good honours degree in Mathematics or Physics or in a subject where a significant proportion of courses were in mathematics		X	AP
Qualified Teacher Status		X	AP
PGCE		X	AP
<b>Experience</b>			
Experience of working in a school or with school-aged students	X		AP, I
Experience of leading projects	X		AP, I, R
Engagement with widening participation and outreach activity	X		AP, I
Recent teaching experience of mathematics or physics to high-attaining students		X	AP, I
Lived experience of study or work in the mathematical sciences as someone who identifies with an under-represented group		X	AP, I
Experience of managing others		X	AP, I, R
Experience building positive relationships with external stakeholders		X	AP, I
<b>Knowledge/skills</b>			
Precise and analytical self-reflection	X		I,
Ability to quickly create effective rapport and a constructive relationship with stakeholders, including students, colleagues, and our network of teachers at other schools	X		AP, I
Excellent communication skills, both written and verbal	X		AP, I
Excellent organisational skills, including keen attention to detail	X		AP, I
Excellent IT skills, including the ability to learn new systems quickly and use them intelligently and flexibly	X		AP, I
<b>Personal characteristics/other requirements</b>			
Commitment to the educational vision and the mission of King's College London Mathematics School	X		AP, I
Profound and continuing commitment to widening participation	X		AP, I
Commitment to own self-development	X		AP, I
Capacity to take initiative and to innovate	X		AP, I

Ability to lead and to enthuse others	X		AP, I
Ability to work constructively with others inside and outside the school	X		AP, I
Integrity and reliability	X		AP, I

### **Safeguarding**

King's College London Mathematics School is committed to safeguarding the welfare and well-being of children and applicants must be willing to undergo child protection screening appropriate to this post, including checks with past employers and the Disclosure and Barring Service.

### **Equal opportunities**

King's College London Mathematics School recognises that equality of opportunity and the recognition and promotion of diversity are integral to its strengths. The following principles apply in respect of the School's commitment to equality and diversity:

- To provide and promote equality of opportunity in all areas of its work and activity;
- To recognise and develop the diversity of skills and talent within its current and potential community;
- To ensure that all employees and prospective employees of the School are treated solely on the basis of their merits, abilities and potential without receiving any unjustified discrimination or unfavourable treatment on grounds such as age, disability, marital or civil partner status, pregnancy or maternity, race, religion or belief, sex, sexual orientation, gender, gender reassignment, trans status, socio-economic status or any other irrelevant distinction;
- To provide and promote a positive working, learning, and social environment which is free from prejudice, discrimination and any forms of harassment, bullying or victimisation;
- To promote good relations between individuals from different groups.

**We do not want potential candidates to be put off if they believe they do not meet every one of the qualifications as described in a job description. We are most interested in finding the best candidate for the job, and that candidate may be one who comes from a less traditional background. We would encourage you to apply, even if you do not believe you meet every one of our qualifications described.**

### **Applicants with disabilities**

King's College London Mathematics School is keen to increase the number of disabled people it employs. We therefore encourage applications from individuals with a disability who are able to carry out the duties of the post. If you have special needs in relation to your application, please contact the Business Manager, Nicola Cosgrove, by emailing [nicola.cosgrove@kcl.ac.uk](mailto:nicola.cosgrove@kcl.ac.uk)

Thank you for your interest in King's College London Mathematics School.