



Physics Technician

King's College London Mathematics School

- Permanent
- Part time (0.5-0.8FTE)
- Start date 23 March 2025
- Full-time salary £28,821 - £33,332

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](#).

Applications should be made electronically in Word or PDF format by email to kclmsvacancies@kcl.ac.uk. Enquiries may be made to Tom Collins, Deputy Head, using the same email address.

Closing date: 12:00 on Friday 23 January 2026

Interviews will be held in w/c 26 January or arranged as applications are received

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 of the Year for Academic Excellence 2026 by The Sunday Times and an Outstanding grading from Ofsted.

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 2023*) 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 across London, and in particular those who come from more disadvantaged backgrounds, to develop their mathematical skillset, and also works with teachers to provide professional development around the teaching of Mathematics and Further Mathematics A Levels.

Why work at 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.
- A highly collaborative work ethos including weekly group lesson planning.
- A progressive staff wellbeing policy that includes access to an in-school counsellor.
- Better than industry standard family leave benefits, including for adoption and surrogacy.
- 3 flexible holidays days per year (pro rata) that can be used during term-time to go to events or opportunities that would otherwise be difficult for teachers to attend.
- More holiday allowance than other state schools.
- A later start, with lessons commencing at 09:15.
- A cycle to work scheme (we have staff changing and shower facilities on site), educational discount at the Apple Store, access to King's College London's research, learning and prayer facilities, and subsidised KCL gym use.
- Opportunities to attend a range of cultural events for free as part of our cultural programme, including theatre shows, orchestra performances, sporting events, art galleries and museums.
- A bean to cup coffee machine – we know the importance of caffeine!

Physics Technician

The school is seeking to appoint a Physics Technician to work closely with the physics department to manage and maintain the department's resources and to set-up or prepare equipment for practicals and demonstrations for KCLMS students and for the outreach lessons run by the school.

The physics department consists of two labs and five teachers. All students at the school take Physics A Level and practical demonstrations and experiments are considered by the department to be essential to the development of student understanding.

The labs are modern and serviced by a reasonably-sized prep room with direct access to the labs and other storage areas. A new lab is being built as part of an expansion project which will be across a corridor from the existing labs. A potential donation to the school will allow for refurbishment of the existing labs and improvements to the equipment available.

The ideal appointee will be able to work independently and flexibly in fulfilling the practical requisitions of teaching staff. They will enjoy the challenge of supporting A Level practical work and inspirational Physics outreach lessons and will bring their own ideas into the preparation of materials.

The practical requirements during the first two school terms are demanding. During summer term, there are fewer practical lessons. However, the appointee will be expected to support the school in other ways, depending on experience, such as through invigilation, intervention work with students, preparation of materials for the term-time outreach summer schools or other administrative activities.

Physics lessons are spread across the week, so the ideal candidate would be able to spread their hours over 5 days/week in term-time, with more flexibility possible in school holidays. Days and hours are negotiable on appointment.

The post will commence from 23 March 2025

Job description

Post title	Physics Technician
Responsible to	Lead Teacher (Physics)

Role outline

The Physics Technician will provide support for all aspects of practical work in the school and will be responsible for the physics department's equipment.

Summary responsibilities and Activities

As a Physics Technician:

- To work closely with teachers in the physics department in order to maintain satisfactory support for practical classes.
- To prepare class sets of equipment and materials for practical work.
- To prepare equipment for the 12 required practicals for A Level and to support a schedule for students to complete them when they cannot run in lessons.
- To prepare equipment for demonstrations and experiments in outreach physics sessions.
- To remove and return materials and equipment to store after cleaning and repair when necessary.
- To ensure that equipment is maintained and kept in good order and stored ready for use.
- To maintain the Prep Room in good condition and update equipment inventories as necessary.
- To maintain the two laboratories, ensuring they are well stocked and that the environment is safe.
- To ensure safety regulations are complied with.
- To order materials and equipment when requested, to check deliveries and to liaise with the Finance Manager regarding invoices as well as supporting the Lead Teacher (Physics) in keeping the department budget and record of expenditure up-to-date.
- To attend appropriate training and remain up-to-date with good practice in the provision of technical support in science.
- To support the Lead Teacher (Physics) in preparing for the school expansion by ensuring sufficient resources are available by September 2026.
- To liaise with mathematics teachers in supporting practical work in mathematics.
- To be responsible for processing Multiple Choice Question grids following internal assessments in Zipgrade or equivalent software.
- Support the school in developing an inventive approach to teaching, learning and assessment in learning.

As a member of staff:

- To contribute to a programme of after-school and lunchtime academic enrichment and co-curricular activities, which may sometimes require reasonable evening or weekend commitments, some of which will be offsite.
- 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; to lead or assist offsite trips and visits
- To attend INSET days and other training required for the role.
- To contribute to the establishment and maintenance of a caring, positive, safe and stimulating environment for each student at KCLMS.

- To provide cover for absent colleagues, and participate in arrangements for students' supervision during public examinations.
- To undertake any other duties which may be reasonably required by Senior Leaders and the Lead Teacher (Physics).

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.

We don't want potential candidates to be put off if they believe they do not meet every one of the criteria 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 criteria described.***

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 PT Practical task
Education/qualification and training			
GCSE Science, English and Maths at grade C/5 or above	X		AP
A Level Sciences or higher qualifications in science	X		AP
A Level Physics		X	AP
A recognised technical/technician qualification		X	AP
Experience			
Previous experience as a school science technician		X	AP, PT, R
Previous experience working with sixth form students		X	AP, R
Previous experience of working in a physics department		X	AP, R
Knowledge/skills			
Strong communication skills, both written and verbal	X		I, AP
Strong organisational skills, including keen attention to detail	X		I, AP
A basic knowledge of electrical, scientific and technical equipment	X		I, AP, PT
Knowledge of radiation protection requirements		X	AP, I
Personal characteristics/other requirements			
Profound and continuing interest in Physics	X		AP, I
Commitment to own self-development	X		AP, I
Capacity to take initiative and to innovate	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

Our staff are amazing – they inspire students, have great ideas, and help make King's Maths School a fantastic place to work. We are committed to ensuring that we are always recruiting, retaining, and promoting a diverse mix of colleagues because we know that for our students to succeed they need a staff body with a broad range of ideas, skills, and experiences.

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 by emailing KCLMSbusinessmanager@kcl.ac.uk

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