

THE LONDON ORATORY SCHOOL
Seagrave Road, London, SW6 1RX

The school is a Roman Catholic academy in the trusteeship of the Fathers of The Oratory, London. There are 1340 pupils, 80 boys aged 7 to 10 in the Junior House receiving a specialist music education, 920 boys aged 11 to 16 in the first to fifth forms and 340 in the sixth form, including 90 girls.

Applications are invited for the post of Physics Technician.

The London Oratory School is seeking a Physics Technician with strong STEM skills to join the Physics Department. The Technician should hold a Physics or Engineering qualification (e.g. BTEC, HND, degree) or sufficient relevant experience.

The successful candidate will have the ability to multi-task, have an impressive talent for problem solving and enthusiasm for supporting the delivery of Physics teaching for 14 – 18 year olds.

The Physics Technician will be responsible for providing full technical support to the Physics Department and ensuring high standards of Health and Safety are maintained whilst assisting in the day-to-day support of the learning environment. The Technician will work with the Head of Physics to promote excellence in the teaching of electrical, mechanical and material science.

This school is committed to safeguarding and promoting the welfare of children and vulnerable adults and expects all staff and volunteers to share in this commitment. The successful applicant will need to undertake an Enhanced Disclosure from the Disclosure and Barring Service.

PHYSICS TECHNICIAN

OVERRIDING REQUIREMENTS

Terms of the engagement

The appointment is subject to the provisions of the Handbook for Non-teaching Staff.

The standard hours of the post are 37.5 hours a week (excluding a one hour mid-day break each day) from 8.30am to 5pm, Monday to Friday. However, the post holder will be expected to work such additional hours as may be necessary and reasonable to enable him or her to discharge effectively his or her duties. No additional payment will be made for overtime or irregular hours. The annual leave entitlement is 25 working days (excluding public and bank holidays).

Flexible or part time working would be considered and any request should be outlined in the applicant's covering letter.

Job title

Physics Technician

Salary

In the region of £25,000 depending on experience, with the possibility to increase the salary

Responsible to

The Senior Science Technician and the Head of the Physics Department

Pension Scheme

The Local Government Pension Scheme is available to all members of non-teaching staff.

GENERAL REQUIREMENTS

The Technician should hold a Physics or Engineering qualification (e.g. BTEC, HND, degree) or sufficient relevant experience.

All members of the support staff are expected to be flexible and to assist with duties outside their normal area of responsibility from time to time.

The nature of the work demands that discretion and confidentiality are of utmost importance at all times.

The duties and responsibilities set out here are not exhaustive and may be changed or added to in the light of subsequent developments and the best interests of the exigencies of the school.

SCIENCE DEPARTMENT

The Science Department is a large and successful department comprising three separate subject areas, Biology, Chemistry and Physics, each with its own head of department, overseen by a Head of Science. There are twelve full-time science teachers, who may also assist in other subject areas such as Games and religious education, and four technicians, working in ten laboratories and science rooms. Support teachers from the Learning Support Department may assist those pupils with language or other difficulties.

The Science Department consists of 13 laboratories together with ancillary rooms, and is serviced by 4 technicians.

The Science Department technicians work as a team within which the post holder is responsible to the Senior Technician for the following duties with a particular, but not exclusive, emphasis on the service to Physics.

A wide range of materials and equipment relating to the requirements of the syllabuses for practical work and audio-visual presentation are available in the department including interactive screens and LCD projectors.

Pupils in the first and second-forms follow a general science course we have developed to meet the requirements of the National Curriculum. Boys are taught in form groups for four periods a week. All members of the Science Department may be involved in the teaching of these classes.

In the third-form, all pupils are divided into sets according to ability and are taught the three separate sciences for two periods each per week, incorporating the programmes of study for the National Curriculum.

In the fourth and fifth-forms (years 10 and 11) pupils study, over nine 45 minute periods a week, all three sciences (currently AQA syllabus in year 10 and Edexcel syllabus in year 11) which normally lead to three separate GCSEs.

In the sixth-form, pupils taking Biology follow the AQA syllabus, the chemists follow the Edexcel syllabus and those taking Physics follow the OCR A syllabus. Large numbers of pupils opt for one or more science subjects at A level.

The school enjoys considerable success at A level with nearly all pupils going on to higher education including a number to medical school and to Oxford and Cambridge. Girls, who join the school in the sixth-form, are well represented in all three science subjects and university placements.

The responsibilities and duties of the post:

- 1 Preparing apparatus, materials and setting up equipment and apparatus for use in practical classes. Setting up and carrying out demonstrations. Retrieving and clearing away apparatus, etc.
- 2 Construction, modification, testing and calibration of apparatus. Co-operating with teaching staff in the development of apparatus and equipment for use in practical classes.
- 3 Maintaining, repairing and arranging through the Senior Technician for the maintenance and repair of apparatus and equipment. Keeping maintenance records as directed.
- 4 Maintenance of general laboratory services and facilities in designated laboratories, reporting faults to the Senior Technician and Head of Physics and ensuring the maintenance of a healthy and safe working environment.
- 5 Organisation and storage of Physics equipment, apparatus and materials, including radioactive sources, in accordance with Departmental policy and, where appropriate, established guidelines.
- 6 Maintaining stock levels in relation to the service to Physics. Advising the Senior Technician and Head of Physics of items and quantities required. Updating and maintaining the electronic record-keeping system.
- 7 Disposal of waste laboratory materials such as radioactive waste, in accordance with established guidelines when directed to do so, and responding to potential hazards.
- 8 Technical advice and assistance to teachers and pupils assisting in practical classes as appropriate.
- 9 Setting up and maintaining the Department's specialist resources, as directed.
- 10 Participating in the selection of equipment and in the development of the Physics Department facilities.
- 11 Preparing, setting up and testing apparatus, equipment and materials for use in practical examinations / assessments.
- 12 Participating in the maintenance and assessment of health and safety standards, and security in relation to the technician service to the Science Department in accordance with school policy.
- 13 Other appropriate technical duties as directed by the Senior Technician. This may involve duties in any areas of the Science Department.