



**APPOINTMENT OF:**

## **HEAD OF PHYSICS**

*For September 2023  
Full-time or Part-time*

Completed applications should be returned to [recruitment.academic@johnlyon.org](mailto:recruitment.academic@johnlyon.org)





# ABOUT JOHN LYON

John Lyon is an academically selective independent day school, based in Harrow-on-the-Hill in North West London. Having educated boys from Harrow and surrounding areas since 1876, John Lyon welcomed its first girls as pupils in September 2021. The School has moved from being a senior school to an all through 3-18 school, following an amalgamation with Quainton Hall in 2021.

Academic excellence is at the very heart of what pupils who study here seek to achieve. Pupils' academic standards and personal development were both rated the highest possible 'excellent' in our most recent ISI school inspection.

“ The school community transcends cultural difference and exudes an ethos of inclusivity through natural acceptance.

*ISI Inspection Report, January 2020*



With the opportunity to explore this broad curriculum and gain a solid grounding in all the major academic subjects, pupils work alongside dedicated teachers to develop learning skills, creativity and the ability to fully apply themselves in all areas of life. They perform well from the point they join and go on to achieve excellent results in public examinations at GCSE and A-Level. Most students are rewarded for their hard work by gaining places at leading UK universities, before progressing into the workplace in a huge and varied range of valued professions.

John Lyon pupils also gain from their time outside the classroom. The School has a strong reputation for opportunities and success in Music, Art, Drama and Sport. Add to this an exciting Co-Curricular Programme focusing on a sense of community, achievement and wellbeing, a range of more than 100 extra-curricular activities, and pastoral care that is second to none, a John Lyon education is designed to nurture high-achieving and happy children.

The John Lyon School campus is spread across six buildings at the senior school, the Quanton Hall school site, and a 28-acre mixed sporting facility a short walk away at Sudbury Fields and is part of John Lyon's Foundation which includes the Harrow Family of Schools. We have a clear set of values that are vital to our community. These values shape who we are, what we do and how we do it.

“ Pupils recognise and appreciate that staff have high expectations and allow them sufficient independence to develop self-control and self-motivation. ”

*ISI Inspection Report, January 2020*



## THE COMMON ROOM

John Lyon has a very friendly and diverse Common Room with a mix of colleagues living locally, in London and as far afield as Hertford, Bucks, Berkshire, Essex and Surrey. Many academic staff join the School straight from university whilst more experienced staff have taught in either independent schools, state Schools or both. The Common Room runs a termly programme of wellbeing activities which is well supported by academic and support staff. This includes theatre trips, celebratory meals, yoga, charity quiz nights and fixtures in archery, football, cricket, hockey and golf.







“ Pupils have outstanding levels of competency in information and communication technology (ICT) and its application to other areas of learning. ”  
*ISI Inspection Report, January 2020*

# THE DEPARTMENT

The Department comprises five highly qualified Physics teachers. It has two dedicated Physics labs, access to six further Science labs and a STEAM lab, a separate office space for Physics staff, as well as a separate dedicated prep room. We have a full time Physics technician who is able to produce bespoke equipment.

Pupils are encouraged to experiment from the start, with practical work being built into the curriculum and forming a key part of the Year 7 & 8 course. At GCSE Pupils have to opt for at least one separate Science but are strongly encouraged to study at least 2. Physics is very popular with well over 85% of the year group choosing to study it. The option block structure permits some partial setting and there is currently 4 sets in both Year 10 and 11. GCSE results are consistently high and last year 65% of students achieved 9-7 grades. Pupils study the Edexcel IGCSE specification.

At A-Level students follow the OCR Physics A Course. Physics is a popular subject attracting 20-30% of the cohort. The teaching is typically split between two teachers. Last year 75% of students achieved A\*-B grades.

Within the department staff are keen to encourage the students to participate in science activities outside of the classroom. Our A-Level students compete in the Physics Olympiad with vibrant clubs and societies



“ Pupils demonstrate an excellent grasp of numeracy as they confidently apply their numerical knowledge in mathematics and in other subjects.

*ISI Inspection Report, January 2020* ”

related to Physics enabling pupils to flourish beyond the curriculum. These include: Astronomy, Electronics, CREST Award and Micro:Bit Robotics. A team of our A-Level students recently partnered with Rutherford Appleton Laboratory developing technology to support a lunar base station and Year 9 and 10 VEX robotics teams have reached this year's World Championships in Dallas, Texas.

The department hosts a biennial residential visit to CERN for Sixth Form students with a number of UK day trips to support Science learning for younger year groups. The School is fortunate in its proximity to central London and is able to visit world-leading museums and attend lectures on ground-breaking developments. The School also hosts lectures on a range of science-related themes and in recent times has welcomed Dr Helen Pain, CEO of the Royal Society of Chemistry and Professor Hugh Montgomery, Director of Human Health and Performance at UCL.

Our brightest students are prepared for entry to Oxford and Cambridge attending sessions on the entrance examinations and rehearsal interviews. There is a strong tradition of enabling pupils to reach leading universities (including Oxbridge and Imperial) to study Natural Sciences, Engineering, Chemical Engineering, Medicine, Dentistry, Sound Engineering, Architecture, Psychology, Pharmacy and many other Science related degree courses.

“ Pupils show a strong aptitude for reading and write effectively for a wide range of purposes.

*ISI Inspection Report, January 2020* ”



# RESPONSIBILITIES

The Teacher of Physics currently reports to the Head of Physics and is specifically responsible for the learning and teaching of Physics, ensuring that each pupil is positively encouraged to develop their potential to the full.

## SPECIFIC RESPONSIBILITIES

- Planning, implementing and reviewing the Physics curriculum;
- Ensuring that assessment is both regular and thorough and that full records of pupils are kept;
- Overseeing the development and training of staff in the department and supervision of departmental staff;
- Leading regular departmental meetings;
- Representing the department within the school in matters relating to the curriculum and management;
- Liaising with other departments in the school;
- Cooperating with senior staff in developing links with feeder and partner schools;
- Liaising with senior staff in matters concerned with discipline and matters relating to the timetable;
- Implementing the ongoing development of the subject area;
- Organising and attending field trips for (I)GCSE and A-Level students as required;
- Delivering a subject-specific Oxbridge programme;
- Contributing to the school's UCAS programme through the preparation of subject-specific paragraphs for references;
- Provision of extension activities, such as for the Gifted and Talented cohort;
- Providing appropriate support for SEN pupils;
- Providing academic support outside of lessons, such as revision classes;
- Bidding for and running the departmental budget;
- Managing the provision of textbooks and resources;
- Ensuring Health and Safety guidelines are followed;
- Ensuring that departmental classrooms present a stimulating environment;
- Providing information on Public Examination entries to the Examinations Officer;
- Being available to provide advice and guidance on



“Pupils achieve superb results in Sports, Performing and Creative Arts.”

*ISI Inspection Report, January 2020*





#### Examination Results Days;

- Implementing all school policies;
- Contributing to the SMSC and PSCHE development of pupils;
- Within these specific responsibilities, the Head of Department is expected to foster a lively and enthusiastic atmosphere within the department for pupils.

#### ADDITIONAL SPECIFIC RESPONSIBILITIES

- To oversee the progress and stocking of the Physics section of the library, working closely with the librarians over the purchasing of new books;
- To organise trips and activities to enhance the teaching and learning of Physics within the school;
- To be available as a tutor to an assigned tutor group and to carry out related duties in accordance with the general job description of Form Tutor.

#### GENERAL DUTIES

- To embrace the School's Values and encourage pupils to develop them;
- To carry out a share of supervisory duties and detentions in accordance with published schedules;
- To participate in appropriate meetings with colleagues and parents relative to the above duties;
- To contribute to the PSCHE programme when required;
- To attend whole School events e.g. Open Days, Speech Day etc;
- To provide cover and examination assistance as required;
- All staff are required to contribute to the School's Extra-Curricular and Co-Curricular programmes.

It should be noted that a job description is not an exhaustive list of activities, and employees may be asked to carry out other duties commensurate with the grade of the post. The job description may also be amended to take account of changed circumstances, and employees will be consulted if this is necessary.

# PERSON SPECIFICATION FOR ALL TEACHING APPOINTMENTS

In making an appointment at the John Lyon School we look for the person who, at interview and by virtue of their qualifications, best demonstrates that they:

- are suitably qualified for the responsibilities of the post,
- has good interpersonal and communication skills with pupils and colleagues,
- has good listening skills and respect for all pupils,
- has the ability to form relationships and to motivate pupils,
- has the ability to generate enthusiasm for the work of the department,
- can demonstrate high standards in the necessary professional competencies required of teachers:
  - subject knowledge and application,
  - classroom management,
  - assessment, recording and reporting students' progress,
  - teaching effectively throughout age and ability range.
- has confidence to contribute their own ideas and initiatives to the philosophy of the School,
- is willing to be involved in the wider activities of the School,
- has a practical understanding of administrative demands,
- has a commitment to personal and professional development.

It is the post holder's responsibility to promote and safeguard the welfare of children and young persons for whom they are responsible, or with whom they come into contact, and to adhere to and ensure compliance with the School's Child Protection Policy Statement at all times. If, in the



course of carrying out the duties of the post the post holder becomes aware of any actual or potential risks to the safety or welfare of pupils in the School they must report any concerns to the School's Designated Safeguarding Lead.

This position is subject to an ENHANCED DBS certificate in the event of a successful application. Copies of the School's Code of Practice and Policy on the Recruitment of Ex-Offenders are available from the HR department

In accordance with the Health and Safety at Work Act 1974 all employees have a duty to look after their own and others' health and safety. As a provider of employment and education, we value the diversity of our staff and pupils. We are committed to providing a fair, equitable and mutually supportive learning and working environment for our pupils and staff.



# SCHOOL BENEFITS



Membership of the competitive Harrow Coporation DC Pension Scheme - details on page 10



Competitive salary, above that of the maintained sector



Surface Book for every member of teaching staff



Use of the School's Sports Centre (including swimming pool)



Commitment to professional development



Discount membership to Harrow School's Golf Club



Fees remission for children of staff



Complimentary lunch during term-time



Cycle to Work Scheme



# Academic Staff Pension Scheme

Teaching Staff at John Lyon School have access to a defined contribution scheme, provided by Aviva for the John Lyon's Foundation



Salary enhanced by

**6%**



An employer's pension contribution of

**14.5%**



An employee's pension contribution of

**6%** or more if desired



Provision of Death in Service cover worth

**3x** the annual salary



Provision of Income Protection, based on

**50%**

of earnings (increasing in line with RPI, capped at 5%) to State Retirement Age



Provision of Health Cover via access to a subsidised Medical Cash Plan



Option of making a tax-efficient **Salary Sacrifice** for pension contributions, which generates **National Insurance savings** for the employee as well as the employer, with

**50%** of the School's saving added as an **additional pension contribution** for the individual

For more information on the scheme, please email [recruitment.support@johnlyon.org](mailto:recruitment.support@johnlyon.org)



**QUINTON HALL**  
JOHN LYON'S PREP SCHOOL





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