



APPOINTMENT OF:

DT TECHNICIAN

September 2023

Full-time

Completed applications should be returned to 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

Design and Technology is a growing and popular subject at John Lyon. In September 2022 we opened a brand-new Design & Technology laboratory, with our first cohort of Year 10 doing their GCSE in D&T. Our facilities focus on CAD/CAM with a range of machines to assist pupils in achieving their outcomes. Techsoft Design software and Onshape are used extensively to help pupils in modelling and developing their ideas. At KS3, we have designed a bespoke STEAM curriculum that focuses on developing students' ability to solve real-life problems with creativity and innovation. As part of the STEAM curriculum, students learn skills such as soldering, 3D modelling, 3D printing, laser cutting and Robotics. The STEAM and D&T Departments work very closely together and provides a range of popular extra-curricular clubs such as Greenpower, VEX Robotics, laser cutting and 3D printing. The development and growth of D&T is a key area of development for John Lyon.



“ 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



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

ISI Inspection Report, January 2020

RESPONSIBILITIES

The DT Technician will work within the Design and Technology and STEAM departments to assist and support the co-ordination of the use of practical resources and facilities and provide assistance and advice in the practical needs of the curriculum.

MAIN RESPONSIBILITIES

- Offering guidance, assistance and support to pupils & teachers on the practical aspects of the curriculum.
- Contributing to the design, development and maintenance of specialist resources and/or planned projects.
- Assisting teachers during lessons that need support such as soldering, 3D printing, laser cutting
- Responding to teachers' requisitions for their DT lessons by preparing in advance of lessons all necessary equipment, resources and documents; delivering them to the relevant classroom and laying out as requested. Collecting equipment at the end of lessons, ensuring safe keeping of resources.
- Ensuring the availability of suitable materials and equipment; helping to compile orders and obtain costings. Keeping up to date records of stock.
- Maintaining a relationship with suppliers and technical support contractors to ensure best service.
- Assisting the teaching team to ensure a healthy, safe and productive work environment through the routine maintenance and preparation of equipment, laboratories and learning spaces.
- Keeping up to date with health and safety requirements and with developments in Design & Technology.
- Creating, assessing and maintaining a risk assessment folder for all of the design and technology practices taught by teaching staff.
- Undertaking appropriate training in the application of health and safety law.
- Under the overall guidance of the line manager, ensuring that both routine and non-routine checking, cleaning, maintenance, calibration, testing and repairing of equipment is carried



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

ISI Inspection Report, January 2020



out to the required standard.

- Ensuring the healthy, safe storage and accessibility of equipment and materials.
- Interacting with pupils in a supportive way to aid the development of their ability to think and learn.
- Intervening and assisting those students who are in particular need of individual support and guidance with their coursework, skills and presentation.
- Arranging the display of pupils' work across the departments.
- Maintain high quality displays in corridors and communal spaces.
- Supporting the department's enrichment programme, which sometimes involves commitment from pupils and staff beyond the school day, including evenings and weekends for events such as Robotics or Greenpower. This time will be given back as TOIL.
- Help to supervise school trips
- Supervise students at break and lunchtimes when clubs are running
- Be willing to undertake and make use of any training which the school deems necessary or desirable, such as first aid training and driving the minibus (subject to licence requirements)

DESIRABLE SKILLS

- Relevant experience or degree in design and production of product/furniture or lighting.
- Knowledge of Techsoft Design software, 3D printing, laser cutting and Onshape.
- Experience in product development, taking designs from concept to fruition.
- Excellent design realisation skills- sketching, rendering, CAD and modelling to lead towards manufacture.
- An understanding of modern technologies; robotics, electronics, programming or smart materials.
- Willingness to innovate and to model innovation to students as part of co-teaching in lessons
- Willingness to teacher train or deliver some Key Stage 3 lessons

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

In making an appointment at John Lyon we look for the person who, at interview and by virtue of their application, qualifications and experience best demonstrates proven skills and abilities in the following areas:

	ESSENTIAL	DESIRABLE
EDUCATION		
Educated to degree standard or equivalent	X	
SKILLS & EXPERIENCE		
Strong interpersonal and communication skills	X	
Able to both work independently and as part of a team	X	
Effective communicator with good interpersonal skills	X	
Able to explain clearly and have good presentation skills	X	
High degree of IT literacy	X	
Good listening skills and respect for all pupils	X	
Ability to multi-task and be highly organised	X	
Willing to be involved in the wider activities of the School	X	
Flexibility and a 'can do' attitude	X	
Able to accept collegiate responsibilities and act accordingly	X	
To act as a positive role model to young people	X	
Sets a high standard in personal behaviour, manners and appearance	X	
Possesses a positive attitude to change and development	X	
Has a balanced sense of perspective		X
Able to understand examination conditions	X	
Technical skills in digital and audio-visual technology	X	
Technical skills with typical school design & technology equipment and software	X	

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.

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



QUINTON HALL
JOHN LYON'S PREP SCHOOL



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