# **Generations Multi Academy Trust Goffs Academy**



### **Senior Science Technician**

### **Required for November 2024**





### SENIOR SCIENCE TECHNICIAN REQUIRED FOR NOVEMBER 2024

## H6 point 14 to 19 37 hours per week, term time plus one week Actual salary £24,225.41 to £26,315.04 (incl. Fringe)

(flexible working hours will be considered for the right candidate)

We are seeking a Senior Science Technician, to provide high quality support for the department with a focus on provision for practical lessons, demonstrations, and assessments.

The post-holder will lead the Science Technician team, ensuring a positive work environment is maintained, managing the team's workload as required, and ensuring all practical requirements are met. The post-holder will have specific responsibility for the delivery of all Chemistry, Biology or Physics practical activities (dependent on personal specialism), and will provide technical support to teaching staff, advise on practical aspects of the syllabus, and provide support to students during lessons on some occasions.

The post-holder will be able to demonstrate excellent organisational skills and will have previous experience of working in a laboratory or preparatory room within a school or industry setting. Expert knowledge of Health and Safety regulations relating to science education is essential.

### In return we can offer you:

- a financially secure school and Trust, with the money to underpin its work
- a brand new, multi-million pound professional working environment
- the opportunity to work with professional, committed and ambitious colleagues in a genuinely collaborative working environment
- a highly aspirant school, with engaged students
- outstanding career development opportunities
- personalised professional development, considered best practice within Hertfordshire
- a comprehensive staff benefits package

Please contact the Trust's HR Department (<a href="https://hr@generationsmat.herts.sch.uk">hr@generationsmat.herts.sch.uk</a>) for further information on the role, school and Trust.

Candidates are welcome to have an informal discussion with the Principal, Mark Ellis - you should call 01992 661456, extension 201, to arrange this.

Closing date for applications: 9:00am on Friday 11th October 2024 Interviews will be held during week beginning 14<sup>th</sup> October 2024

The Trust reserves the right to process applications as they are received, and early applications are encouraged. Previous applicants need not apply.

Generations Multi Academy Trust is committed to the safeguarding and welfare 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.

Please note that this role 'exempt' from the Rehabilitation of Offenders Act 1974 and therefore, you are required to declare any convictions, cautions, reprimands and final warnings that are not 'protected' (i.e. filtered out) as defined by the Rehabilitation of Offenders Act 1974 (Exceptions) Order 1975 (as amended in 2013). Further information is available on the school's website.



### **JOB DESCRIPTION**

Job Title:	Senior Science Technician	
Grade:	H6 point 14 – 19, Inc Fringe	
Purpose of the Job:	To support the learning of science through the provision of a comprehensive practical, demonstration, assessment and examination service to timetabled deadlines and within safety guidelines and managing the team of technicians and the prep room.	
Reports to:	Director of Science	
Staff Reporting to Job Holder:	Science Technicians	
Contacts within each School within the MAT:	SLT Link for Science, Head of Department: Science, Science teachers, finance and reprographics staff	
Contacts outside the MAT:	Suppliers, County advisers, science organisations, CLEAPSS	
Knowledge, Experience and Training:	<ul> <li>A specialism in Biology, Chemistry or Physics with the ability to provide support to A level provision of that discipline</li> <li>Further/higher qualification or NVQ level 4 or equivalent in a science related discipline</li> <li>Experience of working in a relevant discipline within a laboratory or similar environment</li> <li>Experience of stock control, compiling orders, liaising with suppliers, and maintaining appropriate records</li> <li>Knowledge of equipment to support delivery of science practicals</li> <li>Knowledge of ICT packages such as MS Word, Excel &amp; Powerpoint Responsibility for own personal development, including advances made in science and science education</li> </ul>	

	Evidence through DBS check and recruitment process of suitability for working with children
Working Environment:	The Science 'preparation room', along with the Science laboratories
Additional Information:	The post holder will need to work effectively leading a team of technicians and as part of the wider science department team, whilst also being a self-starter and having high levels of individual motivation.

Key responsibilities	Activities that are likely to be carried out	Likely frequency
To be responsible to the Director of	Organising the technical support team to the	Daily
Science in coordinating the use of,	science department, including: Preparation of	
and development of, practical	resources, assembling apparatus. Obtaining	
resources and facilities, including	materials by local purchase. Giving technical	
the provision of guidance and	advice to teachers, technicians and students.	
support in meeting the practical	Carrying out risk assessments for technician	Daily
requirements of the science	activities. Assisting in practical classes &	
curriculum, including liaising with	Giving technical advice to teachers, technicians	
all areas of the school and outside	and students.	Daily
organisations.		
	Carrying out risk assessments for technician	
	activities.	
To have overall responsibility for	Ensuring the technician team keeps up to date	As required
the promotion and observance of a	with health & safety requirements and	
healthy & safe working	developments in practical science by ensuring	
environment for the technical	that relevant literature is available and arranging	
support service by:	for technicians to attend courses.	
<ul> <li>actively leading and</li> </ul>		
coordinating the	Giving health & safety advice to technical staff,	Daily
assessment, monitoring	teachers and students.	
and review of both health		
& safety procedures and	Disposal of waste materials.	As required
information resources;		
<ul> <li>keeping up-to-date with</li> </ul>	Checking fume cupboards, pressure vessels and	As required
current procedures and	first-aid kits; carrying out electrical and other	
practices through	safety checks, etc.	
continuing professional		
development;	Organising, storing and checking the condition of	As required
<ul> <li>the provision of technical</li> </ul>	chemicals and equipment.	
advice on health & safety	August to describe the second	11.161
issues to teachers and	Attending department meetings.	Half termly
technical support staff;		
<ul> <li>the safe treatment and</li> </ul>		
disposal of used materials,		
including hazardous		
substances and responding		

to actual or potential hazards;  • the healthy & safe storage and accessibility of equipment and materials.  To ensure that the technical team is resourced, organised and developed to meet the performance standards required by the department.	Managing, monitoring performance and supervising colleagues.	Daily
To take a lead role in the design, development and maintenance of specialist resources and/or long-term projects and offer professional guidance, assistance and support to students & teachers on the practical aspects of the curriculum.	Designing, constructing and modifying apparatus.  Setting up and caring for plant and animal collections.  Preparing standard solutions, etc, purifying chemicals, treating waste	As required  Daily  As required
To be responsible for setting up and monitoring systems used in the management and control of practical resources including:  • leading on stock control, compiling orders, liaising or negotiating with suppliers and maintaining appropriate records;  • monitoring, controlling and keeping financial records of the departmental expenditure in accordance with the school's policy;  • ensuring the availability of suitable materials and equipment and suggesting alternatives for suitability and economy.	Maintaining resources.  Keeping stock records.  Ordering stock.  Keeping financial records.	As required Annually As required Weekly
To undertake the lead role within the science department on both routine and non-routine checking, cleaning, maintenance, calibration, testing and repairing of equipment to the required standard.	Ensuring the department's resources are maintained to the required standards.	Weekly

Whilst every effort has been made to explain the main duties and responsibilities of the post, each individual task undertaken may not be identified.

Employees will be expected to comply with any reasonable request from a manager to undertake work of a similar level that is not specified in this job description.

Employees are expected to be courteous to colleagues and provide a welcoming environment to visitors and telephone callers.

The school will endeavour to make any necessary reasonable adjustments to the job and the working environment to enable access to employment opportunities for disabled job applicants or continued employment for any employee who develops a disabling condition.

This job description is current at the date shown, but following consultation with you, may be changed by Trustees to reflect or anticipate changes in the job which are commensurate with the salary and job title.



### **PERSON SPECIFICATION**

### SENIOR SCIENCE LABORATORY TECHNICIAN (Chemistry Specialism)

Essential:	Desirable:	
<ul> <li>Qualifications:</li> <li>Further/higher qualification or NVQ level 4 or equivalent in a science related discipline.</li> </ul>	Level 5 qualification or higher	
<ul> <li>Excellent organisational skills</li> <li>Able to provide support in their given specialism to A level provision</li> <li>Experience of working in a relevant discipline within a laboratory or similar environment</li> <li>Experience of stock control, compiling orders, liaising with suppliers, and maintaining appropriate records</li> <li>Knowledge of equipment to support delivery of science practical activities</li> <li>Knowledge of ICT packages such as MS</li> </ul>	<ul> <li>Previous experience as a laboratory technician in a school or educational setting</li> <li>Experience of providing support to A level Chemistry, Physics and/or Biology provision</li> <li>Experience in the line management of staff</li> <li>Experience of using Lablogger</li> </ul>	
Professional Expertise:  Excellent communication skills  Able to manage science technicians' workload and own effectively and efficiently	Undertaken risk assessments and implemented Health and Safety legislation	

<ul> <li>Evidence of continuing professional development</li> <li>Knowledge of Health and Safety regulations relating to science and science education</li> </ul>	Managed a system for coordinating labs, equipment and experiments
Personal Qualities:	
Excellent organisational / prioritisation and time management skills	
Able to work flexibly and proactively while maintaining a high level of professionalism	
Able to work effectively in a team and have a sense of humour	
Able to work with resilience under pressure and meet deadlines	
Possess excellent intrapersonal skills and a high level of emotional intelligence	
Be committed to safeguarding and promoting the welfare of children and young people	
Have a passion for education and have high expectations of all young people	



#### THE SCIENCE DEPARTMENT AT GOFFS ACADEMY

The Science department at Goffs is a large, vibrant team, comprising fourteen members of teaching staff. The department is well resourced, benefiting from eleven newly built Science laboratories. Staff also benefit from a team of specialist technicians to support them.



start to teach GCSE content.

At Key Stage 3, students study topics across all three disciplines; the department has a standardised set of resources available for every teacher to use and adapt to suit the needs of their own classes. We have deliberately adopted a collaborative approach to planning, to ensure that staff within the department have time to personalise their lessons and provide feedback to students. There is an active KS3 Science Club, which runs weekly, and we also run the CREST Award programme. Year 9 forms a bridging year between KS3 and KS4, when we

We operate a three-year KS4, with approximately 60 students taking Triple Science each year, following the AQA Combined Trilogy and Separate Science specifications. We were delighted with our students' Science results in 2024, with Triple Science outcomes being significantly above national average.

A-Level Science is extremely popular; we currently run two A-Level Biology classes, one Chemistry, and one Physics class. We also offer BTEC Applied Science for students who achieved a grade 4 in GCSE Science and would like to pursue a Science-based career in the future.

In line with the whole school, the department has dedicated pedagogy and subject knowledge development time, which provides an invaluable opportunity for the department to come together and discuss research relating to our



subject area, share learning and teaching ideas and genuinely work collaboratively to develop our practice as professionals.



### INFORMATION ABOUT GOFFS AND THE GENERATIONS MULTI ACADEMY TRUST

Welcome to our information pack about Goffs and the Generations Multi Academy Trust. We are a mixed 11-18 comprehensive Academy with approximately 1,600 students on roll, including a thriving and successful Sixth Form. Our Academy is extremely popular in the local area, with an average of over 800 applications annually for the 240 places available, and significant waiting lists for places across the year groups. On intake our students are of a level of prior attainment significantly above that of the national average. We are, though, a true comprehensive school and welcome a mix of students of all levels of prior attainment.

The school has been awarded the International Schools Award twice, Investors in People status three times, and has Sportsmark Gold and Artsmark Silver. We also hold the Secondary Geography Quality Mark, as well as being a designated Leading Edge School, and chairing the national Leadership Partner School network.

#### **Professional Working and Learning Environment**

Our school was among those named as part of a £2billion Government scheme, the Priority Schools Building Programme. As a result, Goffs received a completely new build and facilities, and moved into them in January 2017. The school has further invested in an additional new building, which opened in April 2022, which includes 8 brand-new classrooms, as well as a state-of-the-art fitness centre run by Lifestyle Fitness, with whom we work in close partnership.

This significant investment of funds by the Department for Education is a further recognition of the outstanding work being undertaken by the school, and represents another fantastic opportunity for our community. Our school building provides a light, modern, professional and fit for purpose working environment for all.

### **The Generations Multi Academy Trust**

GMAT is a cross-phase Multi Academy Trust based in Cheshunt, currently comprising two secondaries and one primary - Goffs, Goffs-Churchgate and Flamstead End School. It is our hope that a further primary, Andrews Lane School, will join our partnership from November 2024. Across the piece, GMAT currently has just under 3,000 students in its care and employs just under 400 staff. From Spring 2023, the MAT opened nursery provision on the Goffs-Churchgate site, with subsidised and term-time only places for staff. The nursery is run by Ashbourne Nurseries - <a href="https://ashbournedaynurseries.com/">https://ashbournedaynurseries.com/</a>

The MAT is extremely clear about its daily purpose, reflected in its motto of "No Set Destiny for Any Child." All of our schools, leaders and staff fiercely believe in the life-changing nature of education and work tirelessly to that end, day in and day out. There is no set destiny for any of the children in our care; rather, our daily work across the piece allows children to forge new futures and destinies.

Flamstead End School is a thriving primary school in Cheshunt with approximately 485 children on roll. It has a Preschool, 60-place nursery offering 30 hours provision and two classes per year group from Reception to Year 6. Flamstead End is a 'Therapeutic Thinking' school and seeks to understand and support children's behaviour so that they are able to learn and achieve to the best of their ability. The school is a tight knit community, with a well-



established staff who care for one another and the children in their charge.

**Goffs-Churchgate** is a fully mixed comprehensive school for 11-16 year olds, with just over 600 students on roll. The school has rightly established a very strong reputation for both its academic outcomes and its close-knit, nurturing community, receiving over 600 applications for 120 places for 2024 admission. The decision to cap student numbers at 600 is entirely deliberate, enabling us to maintain a strong sense of community where everybody knows everybody else.

**Goffs** is a mixed 11-18 comprehensive Academy with approximately 1,600 students on roll, including a thriving and successful Sixth Form. The school is also





over 800 applications annually for the 240 places available, and significant waiting lists for places across the year groups.

All of our schools enjoy extremely high levels of applications and are over-subscribed. The schools are within close proximity of each other and share many activities, including CPD for staff. One of the Trust's fundamental principles is that no one school is in any way more important or successful than the other. As such, CPD and other events are rotated through schools in the Trust, with everyone learning from and sharing with each other. This collegiate and collaborative approach permeates our Trust.

Staff and students work in modern, professional environments, with all schools benefitting from recent building projects including a full, £20million rebuild at Goffs. The facilities provide

light, modern, professional and a fit for purpose working environment for all.

Notwithstanding a highly challenging funding situation for schools generally, the MAT remains financially secure. Finances are overseen by a Chief Finance Officer with considerable financial expertise in the private sector. The Trust deliberately created an Income Generation function, and extensive lettings and business development work now takes place across all sites in the MAT. This additional income — now yielding in excess of £500k per annum — underpins generous levels of staffing at our schools, plus many "extras" that would otherwise be unaffordable in the current funding climate.

Our schools pride themselves on their sense of community – both within the school itself, and in the wider locality. Visitors to our schools unfailingly comment on a very real sense of community, coupled with warmth and pride. Our schools are members of Cheshunt Extended Services (ChExS), offering a variety of extended school and community-based activities for both students and parents. Our students actively support local charity work such as the Isabel Hospice and maintain strong links with our local primary schools.

Our schools are proud to be truly community-based schools, with students and staff from different religions and a number of languages spoken in each school. As a Trust we recognise and celebrate what makes us unique and different, and acknowledge that we are also part of one community. Our aim is for everybody to feel valued and respected and we strive hard to ensure we create a positive culture within the schools to enable this to happen.

We are looking forward to further widening our Trust and to working in partnership with both primary schools and further secondaries. Further information about GMAT can be found here: https://generationsmat.com/

#### **Outcomes**

Exam results in 2024 reflect another year of huge success for Goffs. The results reflect a 3 year upward trend and an impressive improvement on the excellent outcomes achieved across the headline measures last year.

### GCSE highlights include:

Extremely strong progress scores across the headline measures with results

considerably above the national average (Estimated progress 8 score: 0.24)

Particularly impressive outcomes in English and Maths; both subjects achieved a progress score significantly above the national average. English Language performed particularly strongly at grade 4+ and grade 5+ exceeding the national average of students achieving these grades by 20%. Maths performed



particularly strongly at the top end with 28% of students achieving grade 7+. This is very comfortably above the national average of 17%.

- 72% of students achieved grade 4 or above in English and Maths (6% above the national average).
- 52% of students achieved grade 5 or above in English and Maths (6% above the national average).
- 21% of the GCSE grades were at grade 7 or above.
- The percentage of students entering the full Ebacc was 64% which is significantly above the national average of 39%, and the Hertfordshire average of 47%.

At A-Level, continuing the upward trend of recent years, students achieved another excellent set of exam results, including an overall 100% pass rate. 64% of Year 13 students secured a university or college place to start in autumn 2024. The wide range of university or further education courses onto which students have progressed include Law, History, Geography, Maths, Finance, Physics and Biomedical Science, other students have gained places on fiercely competitive apprenticeships in areas such as Civil Engineering and within the NHS. Our Sixth Form has an excellent reputation in the local area, over the past three years the numbers of students applying to join our Sixth Form has continued to increase, such that we now have approximately 400 Sixth Formers within our school community.

### **Community**

Goffs prides itself on its sense of community – both within the school itself, and in the wider locality. Visitors to our school unfailingly comment on a very real sense of community, coupled with warmth and pride. We are members of Cheshunt Extended Services (ChExS), offering a variety of extended school and community based activities for both students and parents. Our students actively support local charity work such as the Isabel Hospice and the Rainbow Trust, and maintain strong links with our local primary schools. In addition, our young Sports Leaders regularly work in primary schools. Goffs runs a 'G-Involved' Volunteering programme, where every Sixth Form student completes 20 hours volunteering during the course of the academic year. Students are rewarded through our annual Pride of Goffs Awards evening.

We firmly believe in every student feeling a strong sense of community and on entering the school, each student is placed in one of four Houses: Eagle, Falcon, Hawk and Phoenix. Each House is led by a team of student House Captains and has a clear sense of identity. Regular competitions and assemblies strengthen this sense of community. Each year the House Captains decide on a possible group of charities to support; students in every year then vote on their chosen school charity. Students within each House then arrange a variety of fund raising events throughout the school year. The House which raises the most money in the year for our school charity is awarded the Charity House Shield. Such work is indicative of Goffs students' ability to empathise with the needs of others, and further develops their capacity to work successfully in a variety of social settings.



We regularly bring visitors from the community into school to work with students, and maintain strong links with our local secondary schools as a partner school in the Broxbourne Partnership. The school building is used for evening, weekend and holiday classes, providing opportunities for a diverse range of users including the Greek School, and local dance and sports groups.

The Goffs Student Leadership Academy actively encourages leadership development through a series of student led groups. We currently have students enrolled in the Leadership Academy from Year 7 to Year 13, with groups including:

- Student Parliament
- Community and Charity Leaders
- House Leaders
- Sports Leaders
- Top Team

The student groups each have a member of Student Parliament who is responsible for coordinating the group and their projects. Students regularly report back on their work and the impact that it is having both in and outside our school community.

A variety of annual school trips give students the opportunities to sample different cultures, whilst an extensive programme of off-site visits provides opportunities for students to experience the diversity that exists within the UK including theatre, galleries and museum visits. Our overseas trips have included Germany, Spain, USA, Czech Republic, Paris, Berlin and Reykjavik, in addition to a student exchange with a school in Beijing, and annual ski trips to countries such as Italy, Andorra or Austria. In addition, we regularly host students from Spain as part of our specialism work.



Goffs is proud to be a truly comprehensive school, with students and staff from different religions and a number of languages spoken in the school. We recognise and celebrate what makes us unique and different, and acknowledge that we are also part of one community. Our aim is for everybody to feel valued and respected and we strive hard to ensure we create a positive culture within the school to enable this to happen.

### Care, Guidance and Support

Successful learning takes place when students feel safe, confident, respected and valued, and are engaged. Goffs believes in supporting and nurturing all students in their quest to become successful learners. As such, we place a high value on pastoral care as an integral part of the life of the school.



We promote positive attitudes towards learning and provide a caring and supportive environment within our community. We were delighted to see Ofsted's comments that "students' behaviour and attitudes are outstanding" and that "students feel very safe, because bullying is extremely rare and they are very confident that any incidents that concern them will be dealt with swiftly and effectively." Continuously nurturing, supporting and developing our students is hugely important to us and significant investment is made in the school's pastoral structures, including our investing

in dedicated Learning Mentors for the school.

### **Staff Development**

The Trust has an extremely strong reputation for staff development, for both teaching and support staff. Developing the next generation of school leaders, both middle and senior, plus future Headteachers for those who wish to pursue this, is a responsibility that we take very seriously. We have a full suite of staff leadership development which staff can join be they an ECT or highly experienced colleague.

In addition to whole staff training days, we disaggregate a number of hours for training every year. This allows staff development to be highly personalised as staff can opt for the training which best meets their needs, including the opportunity to do a research project in partnership with Cambridge University. Many use their disaggregated time to coach others or to receive coaching. Moreover, there are specific training sessions for ECTs and other interested staff which run each week after school.

We also place a lot of emphasis on 'on the job' training and support. A thorough induction scheme is available to all new staff, and mentors/buddies are assigned to guide you through those new routines. Finally, external courses can of course be booked if, on very rare occasions, we cannot cater for a particular training need in house.

### **Leadership Development**

The Trust's Leadership Academy encompasses both staff and student leadership development through a series of student led groups and staff leadership pathways. The staff programme specifically provides opportunities for:

- Aspiring Middle Leaders
- Aspiring Senior Leaders

All pathways are personalised for the individual and staff receive one to one support from a mentor alongside working on a whole school project. Both support staff and teaching staff are welcome to join the Leadership Academy at any point in their career.

A full suite of leadership training is offered with a range of sessions including:

- Communicating vision and values
- Developing your leadership approach
- Building a high performing team
- Supporting your team
- Leading your team day to day
- Quality assuring effective teaching
- Observation for improvement
- Using data for impact
- Fostering positive behaviour for learning
- Leading and managing innovation and change

Attendance to all training sessions leads to certification by the SSAT. In addition, we encourage aspirant Senior Leaders to take part in the SSAT 'Stepping Up to Senior Leadership' training programme, which includes four external sessions throughout the year. As part of the Trust's commitment to developing future leaders, a number of the existing Senior Leadership Team across both secondary schools gained experience through an 'Associate' SLT position before gaining substantive leadership posts.

### **Staff Benefits**

Alongside our very strong focus on outstanding professional development and promotion opportunities, we also offer a range of benefits including:

Competitive base salary with a tailor made development plan aimed at enhancing your future [earnings] potential through:

- High quality, personalised CPD
- Bespoke leadership development programmes
- Subsidies for Masters and Degree courses
- Secondment and shadowing opportunities
- As part of our Multi Academy Trust, "Generations", potential to work across more than one school to develop career enhancing skills and knowledge.
- Supported Nursery provision with Ashbourne at any of their nurseries in the Buckinghamshire, Essex, Hertfordshire, Northamptonshire, and Bedfordshire area:
  - o 15% discount for all Trust staff
  - Term time only places are available.
  - A school day would be 9.00am 3.00pm
  - o "Sundries" would be applied to a child taking up a funded only space (e.g. 30 hours funding only). This covers the cost of: meals, snacks, nursery resources
- All staff have access to a wide range of health and wellbeing resources which includes an Employee Assistance Programme via Spectrum.Life who offer a wide range of health and wellbeing resources, plus access to counselling for staff and their immediate family. The EAP service is accessible 24/7, 365 days a year and is a completely free and confidential service
- The MAT adheres to the STPCD for its teaching staff
- Cycle to work scheme
- Onsite car valeting at a reduced price for Trust staff
- Substantially discounted membership to Lifestyle Fitness's state of the art purpose built gym, at Goffs Academy

Additional financial incentives and tax efficient benefits, including:

- Exam marker payment of £400 plus 2 days paid leave to do the marking (1st year)
- Payments for staff taking weekend sporting fixtures: staff paid £200 for leading a minimum of six Saturday fixtures plus 6 weekly training sessions.
- A daily allowance of £50 for school trips taken over a weekend or any school holiday.

• A £1,000 Employee Referral Scheme (i.e. finder's fee) for any qualifying positions that you refer the successful candidate for: £500 on the person starting, and £500 if the person is still at the school 12 months later.

Access to a wide range of health and well-being resources including:

- New, professional, and fit for purpose working environments
- Free use of a range of sports and leisure facilities including a fully equipped gym and swimming pool.
- Occupational Health & counselling support
- Free flu jabs
- Subsidised social events
- Free tea, coffee, and milk for staff

Mark Ellis Principal