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**Recruitment Information Pack**

**Science Technician**

David Nieper Academy

Grange Street, Alfreton, Derbyshire, DE55 7JA

T: 01773 832331

July 2022

Dear Applicant

Thank you for showing an interest in the post of Science Technician at the David Nieper Academy.

Our Academy is sponsored by the David Nieper Education Trust, together with local employer partners, who are highly committed in supporting the development and achievements of our students. With an innovative approach to teaching, hands-on learning and brand-new purpose-built facilities, which opened in early 2017, we believe that this is a truly exciting time to join the academy.

Our aim is to raise standards, expectations, inspire excellence and to encourage students to achieve their full potential. We will help them develop confidence and key lifelong learning skills and to obtain the qualifications required as they look to future careers and explore the many opportunities in further education, apprenticeships, university and beyond. The opening of our Sixth Form Centre in 2017 was a further development in our growth. The Sixth Form provides a first-class education combined with fully integrated employability skills, cementing our ongoing working relationships with our business partners. We are currently a small school of 680 students 11-19 rising to 790 in September 2022 however, our intention is to grow quickly to our full capacity of 850 students 11-19.

The David Nieper Academy has a clear distinctive character due to the integrated involvement of its prestigious business partners. High profile local businesses, most, being either international or national household names such as Denby Pottery, Owen Taylor, Bowmer & Kirkland, Places for People alongside David Nieper, are committed to bringing the world of work and 21st Century employment practices into every classroom. Practical contextual applied learning has been proven to assist all students in retaining and understanding more fully the concepts and principles taught in the classroom. We are looking for a candidate who will embrace this practice and ensure that David Nieper Academy is adopting this approach through its world class learning pedagogies.

If you like the sound of the academy and are keen to be instrumental in its future success, then we would like to hear from you and look forward to receiving your application by 9am on Tuesday 19 July 2022.

If you have any queries or if you would like a conversation prior to application, please contact Mrs. Maria Barnes, HR Assistant, via email at [mbarnes@davidnieper.academy](mailto:mbarnes@davidnieper.academy)

Yours faithfully



Kathryn Hobbs

Headteacher

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**David Nieper Education Trust**

**Science Technician**

David Nieper Academy, Grange Street, Alfreton, Derbyshire, DE55 7JA

Age Range – 11-19

Full-time position (37 hours per week), however part time will be considered

Permanent – Term time only plus two weeks (40 weeks per year)

Responsible to Head of Science

Start: September 2022

Salary: Grade 6 point 16-19 £19,754.70 - £21,010.62 FTE

The David Nieper Academy is an academy in Alfreton, Derbyshire. A brand-new school building opened in early 2017. A key aspect of our vision is our focus on applied learning within all subject areas and across all year groups. We are currently a small school of 680 and are looking to rapidly build to our capacity of 850. We have seen an increase in student numbers within each year group and are oversubscribed in Year 7. We are looking to build on this year on year. This is an immensely exciting time to be joining the academy and being a key component in the development of the new academy.

The Governing Body is seeking to appoint an excellent Science Technician with experience of A level Biology and Chemistry to continue the work of this faculty.

The successful candidates must be able to:

* Support outstanding lessons that engage and motive students
* work well as part of a team
* embrace the co-curricula and extra curricula aspects of the academy
* have excellent communication and interpersonal skills
* have a ‘can-do’ attitude; be highly organised and
* have the ability to work under pressure.

The Governing Body is committed to the safeguarding of children and young people, so all staff appointments are subject to employment checks and a satisfactory enhanced DBS check.

Candidates should indicate an acceptance of, and a commitment to, the Academy’s policies in relation to equality and safeguarding and promoting the welfare of children.

It is an offence to apply for this role if an applicant is barred from engaging in regulated activity relevant to children.

Please follow the below link to view the David Nieper Education Trust Safeguarding/Child Protection Policy <https://davidnieper.academy/about-us/academy-policies/>

**How to Apply**

To apply please complete and return an application form along with your covering letter, clearly demonstrating your suitability for this post. Send via email for the attention of Mrs Maria Barnes, HR Assistant, via email at [mbarnes@davidnieper.academy](mailto:mbarnes@davidnieper.academy)

**Closing date for applications: 9am Tuesday 19 July 2022. Interviews are likely to be Thursday 21 July.**

If you have not heard from us within 2 weeks of the closing date, please assume that unfortunately, on this occasion, your application has not been successful.

**Science Technician**

**The Role**

To provide highly effective support of science across all key stages, contributing to the ongoing development of the faculty. The faculty consists of a Head of Science a Lead Practitioner and five science teachers and a full-time science technician. As part of our continued growth, we will be offering A level Biology and Chemistry from September 2022. We are seeking an additional Technician to support us with this move to A level science. We are happy to consider either part-time or full-time by mutual agreement with the successful candidate. The science faculty is very well resourced with state-of-the-art laboratories and equipment. All labs have 74-inch Interactive Promethean TVs.

**Key Responsibilities**

* To support Science teaching and delivery across key stages 3, 4 and predominantly 5 (A level Biology and Chemistry)
* To maintain and prepare the equipment and resources required by the science faculty
* Maintain chemical stocks
* To contribute to the co-curricular life of the school
* Participate in the academy appraisal arrangements

**Specific responsibilities include:**

1. Preparing the materials, stock and standard solutions, specimens, and apparatus required for demonstrations and for practical work. Replenishing reagent bottles as necessary & keeping them labelled with the correct hazard labels, using up to date guidelines.
2. Setting up and removing class practicals and other resources.
3. Provide occasional in-lesson demonstrations & lesson support.
4. Setting up and testing demonstration equipment, ensuring that it works satisfactorily and ensuring pupils use equipment safely.
5. Use aseptic techniques to: prepare sterile agar plates, culture media, and safely dispose of microbial cultures after use.
6. Actively look for and trial new experiments in biology and assist teachers in devising practical work, particularly for the A level biology courses.
7. Care of plants and animals kept for observation and experimental purposes.
8. Cleaning of apparatus (e.g. glassware) used by teaching staff and pupils, sterilisation of equipment when necessary.
9. Maintaining apparatus and equipment in good working order, carrying out repairs within the capabilities of the technician.
10. Construction and / or modification of laboratory apparatus.
11. Assisting with A.V. and data logging equipment used within the Science area, testing of new experiments, and assisting and devising new practical work.
12. Recovery and safe disposal of biological and chemical residues, and other waste materials.
13. Inspection, maintenance, and correct use of safety equipment.
14. Operating an efficient system for ordering resources on a weekly basis, stocking, storing, transporting, and distributing all items used in the Science Faculty.
15. Making petty cash purchases.
16. Operating and administering stock control and ordering procedures, preparation of requisitions, obtaining quotations, checking deliveries.
17. Maintaining a good stock of necessary materials for the construction of scientific apparatus.
18. Ensure texts books in the laboratories are regularly checked and stored in the correct place.
19. Ensuring the health and safety of the prep room, science laboratories and all science equipment and resources.

**Other**

* Undertake professional development as agreed with academy leaders
* This post is physically demanding and requires some lifting e.g. equipment, books.
* Perform additional duties and tasks required for the effective operation of the school as directed by the Headteacher

**Benefits**

* Free access to BUPA Employee Assistance Programme
* Free onsite Parking
* Generous discount at the David Nieper Ltd factory shop

**Person Specification: Science Technician**

**QUALIFICATIONS**

**Essential**

* GCSE Science, Maths and English
* A level (or equivalent) in Biology / Chemistry

**Desirable**

* Additional science qualifications
* IT qualification
* Health and Safety training
* First Aid qualification

**EXPERIENCE**

**Essential**

* Experience of working as a science technician
* Experience of supporting A level Biology / Chemistry
* Experience of organising, cleaning, and maintaining equipment.
* Experience of monitoring and maintaining stock levels.
* Understanding of health and safety in the workplace.

**Desirable**

* Experience of working in a school

**SKILLS**

**Essential**

* Able to set up simple apparatus, equipment, and teaching aids.
* Able to work under pressure and react quickly.
* Able to follow procedures and legislative requirements.
* IT literate.
* Good communication, planning and organisational skills
* Commitment to regular and on-going professional development and training to establish outstanding practice.

**Desirable**

* Experience of working in a school

**PERSONAL**

* Hardworking
* Enthusiastic
* Resilient
* Self-motivated
* Good team worker
* Able to use own initiative
* A strong team player
* Good sense of humour

## **Method of Application**

1. We will only accept applications on the David Nieper Academy application form. Curriculum Vitae will not be accepted.
2. The statement in your application should focus on:

* Candidate’s previous experience which will help in successfully undertaking the role
* Personal skills to benefit the learning by students at the David Nieper Academy.

1. For any queries to application, please email [mbarnes@davidnieper.academy](mailto:mbarnes@davidnieper.academy)
2. Completed application forms to be returned via email for the attention of Mrs Maria Barnes, HR Assistant, via email at [mbarnes@davidnieper.academy](mailto:mbarnes@davidnieper.academy)
3. The academy operates a NO SMOKING policy on site.
4. Interviews - Candidates invited to interview will:
5. Have the opportunity to tour the academy
6. Support a lesson
7. Complete a set of exercises
8. Have a formal individual interview with the selection panel.

K. Hobbs

July 2022