



Biddick

Academy

Application Pack

Science Technician

£23,785 – £25,900 (actual salary)

(37 hours per week, term time only plus two weeks)

Start Date: As soon as possible

Closing Date: 12th January 2024



Biddick Lane, Washington, Tyne & Wear, NE38 8AL

11-16 Comprehensive

1144 on roll

Headteacher: Miss K Morris

Required as soon as possible

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Science Technician

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(37 hours per week, term time only plus two weeks)

Inspiring learning, unlocking potential, achieving success

An exciting opportunity has arisen to join our science team as a Science Technician. This is a fantastic time to join a supportive, forward-thinking and successful Academy.

Biddick Academy is a good school (Ofsted, 2021) conveniently situated 10 minutes' drive from Newcastle and Durham. The Academy enjoys an excellent reputation within the local community and is consistently oversubscribed year-on-year. We are seeking to appoint a colleague who shares our passion for learning and our determination to change lives through the education we provide. Our curriculum is founded on the core values of resilience, curiosity, aspiration, and readiness.

We're looking for candidates committed to ensuring every student receives first rate teaching and learning. You will be passionate about STEM, with a background in science, solid health and safety knowledge, and experience of working with and building rapport with young people. Strong skills, initiative, flexibility and patience will be required to succeed in this role.

At Biddick Academy you will be joining a team where we work collaboratively to ensure our students are safe, happy, inspired and cared for. We provide an extremely supportive induction programme for new staff and high quality, bespoke professional development opportunities.

Please contact Ashleigh Bulbeck, HR Manager at – bulbeck.a@biddickacademy.com or 0191 5111600, ext 5013 to arrange an informal discussion regarding the role or a visit.

To apply, please return completed applications forms to recruitment@biddickacademy.com

Biddick Academy is committed to the safeguarding and promoting the welfare of children and expect that all staff and volunteersto share this commitment. The successful candidate will be subject to an enhanced DBS check before taking up the post, along with pre-employment safeguarding checks.

Dear Applicant

Thank you for your interest in the post of Science Technician at Biddick Academy.

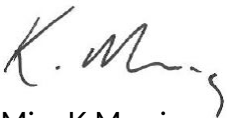
Our aim is to inspire children to learn, unlock their potential and achieve success. We are passionate and determined that every student feels a sense of achievement, enjoys their learning, is happy and cared for, and develops as a well-rounded individual.

At Biddick Academy, we are preparing students not just to excel in examinations but also to have the skills and attributes to be successful in life. Our curriculum is designed with the intention of developing curious, resilient, aspirational young people who leave us, truly ready for their next steps. We recognise the importance of the informal and formal curriculum and actively encourage a wealth of extra-curricular activities.

I am proud to lead a team of exceptional staff who develop positive relationships with students and are committed to providing opportunities so that students fulfil their potential. You will be joining a team that works together, supporting and motivating each other to ensure our students thrive and flourish.

Biddick Academy is at the heart of the local community and for this reason; the Academy is a warm, energetic, and supportive environment. We provide a comprehensive induction programme for new colleagues and offer a range of high-quality professional development opportunities.

I would like to wish you the best of luck with your application and should you require any further information please do not hesitate to contact the Academy.



Miss K Morris
Headteacher

Academy Information

As an oversubscribed school, Biddick Academy has an excellent reputation in the local community. With 1144 students on roll and a specialist ASD provision comprising of 35 places, Biddick Academy is a dynamic place to work. We have 6 feeder primary schools and our catchment area is comprehensive, encompassing a wide variety of backgrounds.

The Academy has benefited from significant investment over a number of years and has excellent facilities, including a purpose-built Engineering workshop and Hair and Beauty salon. After school hours, the Academy is busy with many community groups using the 3G pitches and leisure facilities.

As an organisation, we want everyone, students and staff alike, to:

- Be part of a safe and respectful community
- Feel happy, valued and empowered so that we all thrive
- Aspire to be the best we can be
- Act with integrity
- Nurture resilience and independence
- Have the attitude and character to excel in life
- Have a desire to learn and work with passion, purpose and pride

Curriculum

Key Stage Three

In Years 7 to 9 students study a broad range of subjects that, at the end of Key Stage Three, enable them to make informed choices for their GCSEs. For example, at present students study the following subjects: English, Mathematics, Science, Geography, History, Religious Education, Physical Education, Music, Art, Design Technology, ICT, IAG (Information, Advice and Guidance), Accelerated Reader, Spanish/French.

Key Stage Four

At the end of Year 9, students make choices regarding the courses they would like to study in Years 10 and 11. All students study GCSEs in the following subjects: English Language, English Literature, Mathematics, Science, History and /or Geography. In addition, all students must also continue to study Physical Education, Ethics, and IAG (Information, Advice, Guidance) as part of the non-examined curriculum.

Students may then choose from a wide variety of further subjects to make up their option choices. At present GCSEs and vocational courses are available in: French, Spanish, Philosophy and Ethics, Computer Science, Creative iMedia, Business and Enterprise, Food and Nutrition, Fine Art, Art and Design, Textiles, Digital Art, Hair and Beauty, Physical Education, Dance, Drama, Music, Chemistry, Biology and Physics.



Science Faculty

The Science Faculty at Biddick Academy comprises of a total of eleven vibrant and innovative teachers who teach across all disciplines in the Faculty. The team work collaboratively to ensure that students are inspired, curious and have the resilience to develop their science skills.

The Faculty has developed a culture of high aspirations and expectations for all which as a result, has enabled our students to achieve some high outcomes. The triple science students are taught by subject specialists' staff.

The faculty comprises of a combination of specialist science laboratories and access to computer facilities and the department has a designated science technician.

Job Description

Job title:	Science Technician
Contract type:	Permanent
Accountable to:	Head of Science
Grade:	S5
The role:	To support and assist teachers as part of a professional team to contribute to raising standards of pupils' achievement and to undertake a range of learning activities under the professional direction and supervision of qualified teachers and / or senior colleagues, in line with the school's policies and procedures.
Principle responsibilities:	<ul style="list-style-type: none"> • Being responsible to the Head of Department in coordinating the use and development of, practical resources and facilities, including the provision of guidance and support in meeting the practical requirements of the relevant curriculum, including liaising with all areas of the school and outside organisations. • Having overall responsibility for the promotion and observance of a healthy and safe working environment for the technical support services by: <ol style="list-style-type: none"> a) Actively leading and coordinating the assessment, monitoring and review of both health and safety procedures and information and resources. b) Keeping up to date with current procedures and practices through continuing professional development. c) Providing technical advice on health and safety issues to teachers and support staff. d) The safe treatment and disposal of used materials, including hazardous substances and responding to actual or potential hazards. e) The healthy and safe storage and accessibility of equipment and materials. • Ensuring that the team is resourced, organised and developed to meet the performance standards required by the department. • Taking a lead role in the design, development and maintenance of specialist resources and/or long term projects and offering professional guidance, assistance and support to pupils and teachers on the practical aspects of the curriculum. • Being responsible for setting up and monitoring systems used in the management and control of practical resources including: <ol style="list-style-type: none"> a) Leading on stock control, compiling orders, liaising or negotiating with suppliers and maintaining appropriate records. b) Monitoring, controlling and keeping financial records of the departmental expenditure in accordance with the school's policy. c) Ensuring the availability of suitable materials and equipment and suggesting alternatives for suitability and economy. • 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. • Undertaking 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

<p>Main Duties:</p>	<ul style="list-style-type: none"> • Assisting in practical classes, carrying out demonstrations, preparing resources and assembling apparatus. • Giving technical advice, training and support to staff and pupils. • Carrying out risk assessments for technicians' activities. • Ensuring the faculty keeps up to date with health and safety requirements and developments in practical science by ensuring that relevant literature is available and arranging for technicians to attend courses. • Giving health and safety advice to teachers and pupils. • Disposing of waste materials safely in line with school and CLEAPSS procedures. • Carrying out relevant safety checks. • Organising, storing, cleaning and checking the condition of materials and equipment. • Organizing and leading in regular PAT testing. • Designing, constructing and modifying apparatus. • Maintaining stock and resources; keeping stock records and ordering stock; and keeping financial records. • Ensuring the department's resources are maintained to the required standards.
<p>General requirements:</p>	<ul style="list-style-type: none"> • Attending and participating in training and development courses as required. • Attending meetings, liaising and communicating with colleagues in the school. • Being an effective role model for the standards of behaviour expected of pupils. • Having due regard to confidentiality, child protection procedures, health and safety, other statutory requirements and the policies of the governing body and local education authority. • Treating pupils consistently with respect and consideration, and being concerned with their development as learners. • In line with the school's policy and procedures, using behaviour management strategies which contribute to a purposeful learning environment. • Working collaboratively with colleagues as part of a professional team, and carrying out roles effectively, knowing when to seek help and advice from colleagues. • Reflecting upon and seeking to improve personal practice. • Working within school's policies and procedures and being aware of legislation relevant to personal role and responsibility in the school. • Recognising equal opportunities issues as they arise in the schools and responding effectively, following school's policies and procedures. • Building and maintaining successful relationships with pupils, parents/ carers and staff.
<p>Specific duties:</p>	<ul style="list-style-type: none"> • Safe storage of the stock of chemicals including concentrated acids and alkalis, alkali metals, highly flammable liquids, toxic chemicals and oxidising agents, ensuring correct labelling. • Safe storage of the radioactive sources. Keep records of their use and inspection. Annual testing for radiation levels carried out by the local Authority. The fire brigade inspect annually to ensure safe storage. • Safe handling of equipment and chemicals. • Advising other users of science equipment and chemicals of any hazards. • Advise staff on the technical content of lessons • Training of other staff in the use of specialist equipment, chemicals or procedures with which they are unfamiliar. • Support teachers and pupils in practical lessons as required. • Supervision of pupils in catch-up assessed practical lessons. • Induction of newly appointed technical staff, teachers and student teachers.

	<ul style="list-style-type: none"> • Supervision of other support within the department, including cover supervisors when in department. • To assist with admin tasks etc. • Attend department meetings as required • Any other tasks requested by the Head of department commensurate with the post.
Notes	<p>This document is an overview of the role. The responsibilities will include but are not limited to those listed above and it is anticipated that the role will evolve over time and the duties may change.</p> <p>This document does not form part of your contract of employment.</p> <p>This post will have contact with children and as such a satisfactory disclosure form the Disclosure and Barring service (DBS) is a required condition of employment.</p>

Person Specification

Job title: Science Technician	
Qualifications and Training	E/D
Minimum of 3 GCSE's Grade C or above or the equivalent. Must include Maths, English & Science	E
A level / BTEC level 3 qualification in Science	D
Degree in Science or equivalent	D
NVQ 3 in Laboratory and Associated Technical Activities (LATA) or NVQ3 for Laboratory Technicians in Education or Level 3 Certificate in Laboratory Technical Skills	D
Experience	
Previous experience of working as a Science Technician within education	D
Working in a laboratory environment	D
Experience of working with young people	D
Knowledge/Ability/Skills	
Ability to prepare equipment and materials for lessons as requested by the teaching staff	E
Ability to design, develop and maintain specialist resources	E
Knowledge of school policies relating to behaviour, attendance, equal opportunities and child protection	E
Computer literate	E
Detailed knowledge of Health & Safety legislation as it relates to work within education	D
Ability to offer professional guidance and assistance to students and teachers on the practical aspects of the curriculum	D
Ability to carry out risk assessments in relation to laboratory work	D
Knowledge of COSHH and ESCC regulations in relation to the safe handling and storage of chemicals	D
Knowledge of safe working practices in relation to the handling and usage of hazardous equipment and tools	D
Personal Attributes	
A commitment to safeguarding the welfare of children	E
Ability to work under pressure and meet deadlines	E
Can work individually as well as part of a team	E
Excellent communication skills	E
Ability to work on own initiative and prioritise workload	E
Willingness to learn	E
Positive approach to problem solving	E
Ability to establish and maintain appropriate relationships with young people	E
Self-motivated with clear organisational ability	E
High levels of professional and personal integrity	E
A flexible and enthusiastic approach to work	E
Excellent timekeeping and punctuality	E

Assessment against the criteria outlined above will be through the application form, letter of application, work related assessments, interview process and references.