



North East
Learning Trust

WE'RE LOOKING FOR

A **TEACHER OF**

SCIENCE

TO JOIN OUR TEAM



TEACHER OF SCIENCE

Required for September 2019

Salary MPR

We are looking to appoint a Teacher of Science with a love of their subject, energy and enthusiasm, to teach across all year groups. As a Teacher of Science you will help our young people to develop their knowledge of the scientific method and the fundamental principles of science at Key Stage 3 as well as inspiring them to opt for the separate science courses at Key Stage 4. Your specialist subject knowledge of chemistry, biology or physics will take our students to the very top tier of understanding and help to make the department a flagship for excellent science teaching. We want our students to have the very best. This post would particularly suit an NQT or a teacher in the early stages of their career. The ability to teach KS3 maths would be helpful.

The successful candidate will:

- have a very high level of understanding of chemistry, biology or physics with a passion to pass this on to others;
- be a creative, imaginative, innovative and experimental classroom practitioner;
- be committed to further professional development;
- be emotionally intelligent with a growth mindset;
- have potential to lead, inspire and develop colleagues and students;
- have high expectations of their self and others.

Deadline:

9am on Monday 13 May 2019

Interviews will take place on 16 May 2019.

All visits to the school are warmly welcomed.

Please contact the school office on **01833 638166** to arrange a visit.

How to apply:

Application forms should be completed and returned with a supporting letter of no more than two sides of A4 to **tracy.tuck@teesdaleschool.co.uk** or by post to Tracy Tuck, Teesdale School and Sixth Form Centre, Prospect Place, Barnard Castle, County Durham, DL12 8HH.



Job description

Responsible to

Head of Science / Second in Science

Job purpose

- To teach Science to students across the age and ability range within Teesdale School
- To be a committed and enthusiastic member of the Science Department
- To develop and foster positive working relationships with students, teaching staff, other professionals and parents/carers

The key duties of this post will generally include:

Operational/Strategic Planning

- To report regularly to Science Leadership on the progress of individual students
- To participate in staff meetings as required
- To plan, prepare, evaluate and modify personal teaching methods and materials in accordance with department and school policies
- To control and manage the classroom effectively
- To praise and manage student behaviour as appropriate
- To plan to meet the varied and special educational needs of students
- To set homework in accordance with the school and department policy and to ensure that students complete school planners

Enhancing own knowledge, skills and understanding

- To continuously develop your range of teaching and learning strategies for supporting the development and progression of individual students
- To keep up-to-date with developments and initiatives in the subject area.

Professional development and raising awareness

- To be an active member of the school's Science Department
- To work with relevant staff to identify and address the needs of students
- To plan differentiated material to support all students at Key Stages
- To participate proactively in professional development initiatives

Curriculum and Extra-curricular Provision

- To contribute in developing/reviewing/revising schemes of work and engaging and challenging resources
- To contribute to the creation, planning and organisation of extra-curricular activities to promote the subject and enhance students' learning

Sharing information

- To ensure the efficient exchange of information regarding students both within the school and with other institutions/external agencies, as necessary

Support and monitoring

- To mark and record students' work in line with departmental and school policies
- To assess in line with departmental and school policies the ability of individual students; transfer that assessment to school records and to reports for parents; to communicate assessment details and data to tutors in preparation for parents' progress evenings
- To prepare and conduct assessments of students' learning as and when required, and submit data regarding students' progress into the school management information system.
- To liaise with others involved in supporting students' learning
- To develop and maintain links with subject and pastoral staff to support, monitor, assess and evaluate the progress of individuals
- To support students' social and emotional needs.
- To foster good relationships and liaison with parents/carers

Management of Information

- To ensure the maintenance of accurate and up-to-date information concerning students' learning and progress.

Communication

- To ensure effective communication/consultation as appropriate with the parents/carers of students

Additional Duties

- To carry out duties as appropriate to the position of a classroom teacher within school
- To carry out duties as appropriate to the position of a pastoral tutor
- Employees will be expected to comply with any reasonable request from a line manager to undertake work of a similar level that is not specified in this job description.

This job description is current at the date shown but, in consultation with you, may be changed by the Executive Headteacher / Acting Head of School / Head of Department to reflect or anticipate changes in the job commensurate with the grade and job title.



About the science department

Staff members

There are currently 8 members of teaching staff within the department and 2 dedicated Science Technicians. Our staff includes specialist Biology, Chemistry, Physics, and Psychology teachers and we operate very much as a team. Our ethos is one of openness, support and honesty in our teaching. This allows us to identify any potential problems early and support each other so that student progress is driven at the fastest possible rate.

The Science department

- In joining us you should expect to be part of a vibrant and developing team who will support you and expect your support in return. If you would like to join us we would be delighted to review your application.
- The science department is situated in a suite of 8 laboratories each fitted with a digital projector and whiteboards. 3 of these are located on the second floor which acts, in part, as a sixth form specific teaching location.
- There is a dedicated Science department workroom with a conference table providing an excellent space for collaborative working.
- All teaching in Science is delivered using our T&L framework. Each lesson should follow the progress of Checking Foundations, Presenting New Information, Constructing Understanding with a range of tasks followed by some form of assessment where pupils can Apply what they have learned and Demonstrate their understanding. The lesson should always conclude with a form of summary, feedback or reflection before showing the link to the next lesson. Departmental PowerPoint slides support this process and we have a wealth of good practice available to staff as we actively share good practice.

KS3 Science

- We employ a 2 year KS3 model which is common to all departments in the North East Learning Trust with common assessment points at the end of each term.
- Overarching themes for KS3 are:-
- The use of practical work to ensure that student have a sound grasp of the laboratory skills they will require as the progress in science. These are chiefly, a sound knowledge of laboratory techniques, a working understanding of how risk assessments from a critical part of the safe running of a practical task and the collecting and recording of data in an accurate and clear way.
- The development of mathematical skills ready for the KS4 curriculum; specifically,

- The ability to manipulate data, calculate averages and plot graphs and charts.
- The ability to use given formulae to calculate values and the ability to rearrange those formulae to solve for other variables.
- The development of the key knowledge and understanding required to build a solid foundation on which KS4 can build. This is achieved through a 'spiral' route through the course where topics are returned to several times as additional information is built onto existing concepts.

KS4 Science

- Year 9 begin the AQA Science (9-1) qualification. Students study either the Science Trilogy course in Biology, Chemistry, and Physics. The separate sciences are an option for current cohorts of students giving them additional curriculum time to help master the content and to prepare them for study at A-level. In future years all students will study for separate science qualifications although less able students will likely only take a Dual award exam at the end of the course. The time required to teach this course has been made a priority in the school curriculum and is a real boost to our teaching in Teesdale School.

KS5 Science

- The following A-level courses are offered at GCE A' Level
 - Biology (OCR A), Chemistry (OCR A), Physics (OCR A)
 - BTEC Level 3 in Applied Science
 - Psychology (AQA)
- We use bespoke 'Schemes of Learning and Progress' (SoLP) that are written in house and in collaboration with other schools within the North East Learning Trust. We have a policy of teaching for understanding rather than 'to the test'.



Person specification

	Essential	Desirable
Qualifications	<ul style="list-style-type: none">Specialism within the subject areaRelevant degree – QTSGood qualifications within the subject area	<ul style="list-style-type: none">Good honours degree in Science or similar subject
Experience	<ul style="list-style-type: none">Experience of working with children within a learning environment (individuals/groups)Evidence of recent professional development/training in the teaching and support of the subject	
Skills and knowledge	<ul style="list-style-type: none">Ability to teach KS3 and GCSE ScienceAbility to work flexibly as part of a teamAbility to maintain a good learning environmentExcellent communication skillsExcellent organisational skillsWillingness to take responsibilityAbility to use own initiativeResilient, mature approachAn appreciation of the value of learningA desire to encourage all young people to succeed	<ul style="list-style-type: none">Ability to teach KS5 ScienceAbility to initiate activities to enhance provision within the subject areaAbility to teach KS3 Maths
Additional Factors	<ul style="list-style-type: none">Supportive mannerEnthusiasmSensitivity to students' needs /self-esteemWillingness to further develop professional skillsMeaningful contribution to extra-curricular activity	<ul style="list-style-type: none">Experience of working with young people aged between 11-18

References:

Any relevant issues arising from references will be taken up at interview.

DBS and pre-occupational health:

The North East Learning Trust is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment. Any offer of employment will be subject to receipt of a satisfactory DBS Enhanced Disclosure.

An enhanced DBS check and pre-occupational health check are an essential part of the selection and recruitment process.

Equal opportunities:

We are an equal opportunity employer. We want to develop a more diverse workforce and we positively welcome applicants from all sections of the community.

Applications with disabilities will be granted an interview if the essential job criteria are met.