



TEESDALE SCHOOL AND SIXTH FORM CENTRE TEACHER OF SCIENCE

Vision, values and ethos

At Teesdale School and Sixth Form Centre, our vision is simple and is shared by all schools across the North East Learning Trust family. It is that every child experiences excellence every day.

We are committed to:

- the pursuit of excellence in all that we do;
- providing a broad education designed to enable every young person to achieve their full potential and make the most of their talents;
- providing a calm, purposeful atmosphere where young people are cared for and able to learn with confidence;
- creating a healthy, happy, disciplined and supportive environment which promotes an independent work ethic and a love of learning;
- engendering respect for individuality and difference so that all will feel secure and equally valued;
- nurturing a sense of social responsibility, spiritual and personal development;
- fostering integrity, confidence, resilience, creativity, good manners and sensitivity to the needs of others.

Our primary aim is for each young person to be both courageous and caring, resilient and determined as they strive for excellence.

TEACHER OF SCIENCE

JOB SPECIFICATION

Post Requirements

- Teach Science at KS3, KS4 and Biology or Physics at KS5 where appropriate.
- Plan and deliver engaging lessons that inspire students.
- Be proactive in developing professionally and reflecting on classroom practice.
- Give high quality oral and written feedback to students through interactions in lessons and marking of pupils work.
- Work as a critical member of the Science team supporting the extracurricular activities on offer.
- Liaise with parents/carers on a regular basis in a professional manner through face to face contact and report writing.
- Contribute to our vertical tutoring system as a form tutor.
- Be aware of and implement the policies and practices of our school.
- Meet all of the professional standards for teaching.
- Any other task as delegated or directed by the Subject Leader for Science

Safer Recruitment

Safeguarding Statement: Teesdale School is committed to safeguarding and promoting the welfare of our pupils and expects all staff, governors and volunteers to share this commitment. All appointments are subject to an enhanced DBS check.

In accordance with regulations, the School will carry out a check with the Disclosure and Barring Service as to the existence and content of a criminal record of persons appointed to posts giving substantial opportunity for access to children. Any information will be treated in the strictest confidence and will be considered only where it is felt to be relevant to a particular job or situation. Your permission will be sought to carry out the disclosure procedure following an offer of appointment but you should note that refusal to give permission could prevent confirmation of your appointment.

You will need to attend school soon after the offer of appointment with some or all of the following documents:

Passport / Driving Licence / Utility Bill / Birth Certificate / Marriage Certificate / NI Evidence / Copies of Qualifications.

The appointment is also subject to obtaining satisfactory references.

Teesdale Academy is an Equal Opportunity Employer. We want to develop a more diverse workforce and we positively welcome applicants from all sections of the community.

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



TEACHER OF SCIENCE

PERSON SPECIFICATION

The following qualities are essential for applicants	The following qualities are desirable for applicants
<ul style="list-style-type: none">▪ A good honours degree in the subject, or a related subject▪ QTS specialising in the subject▪ Clear understanding of curriculum change issues in the subject▪ Evidence of recent professional development and a successful career to date▪ Evidence of a wide range of teaching and learning styles, including the use of ICT▪ The ability to relate to other staff▪ The ability to foster a classroom atmosphere in which learning is taking place▪ The ability to transmit personal enthusiasm for the subjects to students	<ul style="list-style-type: none">▪ Degree in Physics or Biology (2:1 or better)▪ High level of ICT skills▪ The experience of having taught A Level in the subject

INFORMATION 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 Combined Science Trilogy course or 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'.