



Application Pack and Job Description
Teacher of Science – Physics specialist
Newton Abbot College



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Newton Abbot College
September 2023

We have an exciting opportunity for a Teacher of Science (preferably a Physics specialist) who is an excellent classroom practitioner, deeply committed to improving student outcomes and passionate about teaching and learning to join our growing and successful Science Department.

We are looking for a classroom practitioner who is inspirational, dedicated and forward-thinking; determined to raise standards across all Science disciplines; creative, enthusiastic and committed to active learning; and an excellent team player.

A teacher who can:

- demonstrate excellent planning and organisational skills
- enthuse and motivate all students
- demonstrate incredibly high expectations
- believe that all students are capable of success.
- teach Physics to A level

If you think you can make a difference to our students and relish the idea of joining our successful, supportive and highly motivated team in the delivery of an excellent Science education, then we want to hear from you!

Newton Abbot College is an over-subscribed secondary school with a growing Sixth Form that is situated in the heart of Newton Abbot, Devon. Our mission is to support, challenge and inspire every individual to be better than they ever dreamt they could be. To achieve this staff and students share the same set of values and drivers that underpin an ethos of traditional values and incredibly high expectations and a culture of high-quality teaching supported by exceptional pastoral care. Staff wellbeing and professional development are always a priority and we work hard to look after our staff and provide them with opportunities to develop their practice and, if they wish, further their careers. There is a very strong sense of community and team at Newton Abbot College; everybody looks out for one another and everybody is proud of their role; as together we grow our college from strength to strength.

The Ivy Education Trust works closely with all schools within the Trust and beyond. The Ivy Education Trust celebrates the diversity of each of its schools and is founded upon the alignment of vision and values that we all commonly hold to secure the best outcomes for our pupils.

The name of our Trust is inspired by the story of Dr Ivy Williams. Born in Teignbridge (Newton Abbot), in 1877, she managed what we would wish for all the children and young people of Teignbridge and surrounding area that we serve in our schools by fulfilling her childhood dreams and ambitions.

On 10 May 1922 Dr Ivy Williams became the first woman to be called to the Bar (formally recognised as a qualified Barrister of Law) of England and Wales.

The story of Dr Ivy Williams reminds us of the famous quote from Michelangelo:

“The greater danger for most of us lies not in setting our aim too high and falling short; but in setting our aim too low and achieving our mark.”

The Ivy Education Trust supports and challenges all members of our learning community to dream big, aim high, and achieve more than they ever thought was possible.

If you share these visions and aspirations, then we very much welcome your application for this post.

If you have any questions about the role, then please email Samantha Malone, Subject Team Leader Science on smalone@nacollege.devon.sch.uk

Application forms and further information are available from our website, www.ivyeducationtrust.co.uk or via email to people@ivyeducationtrust.co.uk

Completed application forms should be sent to people@ivyeducationtrust.co.uk before the closing date stated below.

Closing date for applications is Monday 20th February, 9am. Interviews will take place the same week. We reserve the right to interview candidates before the closing date.

Job Description

Job Title:	Teacher of Science – Physics specialist
Location:	Newton Abbot College
Responsible to:	Subject Team Leader: Science
Salary:	MPS/UPS
Contract:	Full-time Permanent
Start Date:	September 2023

Key purpose of job:

- In accordance with the college Teachers' Standards, develop and deliver the Science curriculum across the age and ability range, in accordance with the requirements of a professionally qualified teacher, ensuring high quality teaching and learning with outcomes that meet and exceed projected student progress.

Expected outcomes:

- Students, regardless of their social or cultural background, are motivated to succeed and make outstanding progress through creative, relevant and innovative teaching and learning.

Main duties:

- Teach Science across the age and ability range from KS3-KS5 in such a way as to challenge and inspire all students, with clear objectives, delivered in line with department schemes of work and college policies.
- Plan and deliver lessons to students according to their educational needs and with reference to prior attainment, SEN and EAL as required, striving to ensure equal opportunities for all and to provide students with the opportunity to achieve their potential.
- Assess, record and report on the development, progress and attainment of students in line with college policies, ensuring that marking and assessment are of consistently high quality and in accordance with the college assessment policy.
- Maintain effective behaviour management in the classroom, using positive behaviour strategies to ensure learner's engagement in the lesson and maintaining the college's high expectations of behaviour for learning within every classroom.
- Monitor the progress and achievement of the students following the course and identify the appropriate intervention strategies for underachieving students.
- Set high expectations for students and develop their behaviour for learning through focused teaching and through the development of positive and productive relationships, utilising the college's behaviour management software to support rewarding and sanctioning students.
- Manage, develop and share resources to enhance teaching of Science. Main Pay Range/Scale teachers are expected to contribute towards the creation of departmental schemes of work and assessment methodologies from the end of their ECT year (with some experience of doing this within the ECT year).
- To maintain a thorough and up-to-date knowledge of the teaching of your subject(s) and to take account of wider educational developments relevant to your work.
- To engage actively in the college's Coaching CPD.
- Contribute to objectives of the curriculum area within the college objectives and take part in an annual review of the subject and curriculum area.
- Take a full role in the pastoral system of the college, by being a tutor and a member of staff well known to the community of students.
- To ensure the effective and efficient deployment of classroom support while working as a member of a designated team and contributing positively to effective working relations within the college.
- To attend meetings and undertake break time duties as and when required, within directed time, as appropriate to the role and hours.
- To communicate and discuss students' progress with parents and, where appropriate, to communicate and cooperate with persons or bodies outside the college.
- To follow agreed policies for communications in the college.

- To take part in marketing activities, such as Open Evenings, Parents' Evenings, review days and liaison events with partner colleges/colleges; and Awards evenings and celebration events; and to contribute to the development of effective subject links with external agencies and partners within the Trust.
- To engage actively in the college's Performance Management review process.
- To embrace the continued professional development programme within the college, striving to be a lifelong learner, maximising opportunities to have an impact within your role and to use the outcomes to improve your tutoring and teaching and students' learning.
- Be familiar with, fully support and reinforce the aims, ethos, policies and procedures of the college and Trust with students, staff, parents and other stakeholders where and when appropriate.
- To make an active contribution to the development of the college's policies, including Department Improvement Plans and the overall college Improvement Plan and to contribute to the process of college Self-Evaluation taking full account of quality standards and performance criteria.
- To supervise/line manage any technician, teaching assistant or temporarily assigned post within their curriculum area, as directed by the Subject Team Leader.

Other Duties

- All staff must commit to Equal Opportunities and Anti-Discriminatory Practice.
- The Trust operates a Smoke-Free Policy, and the post-holder is prohibited from smoking in any of the Trust buildings, enclosed spaces within the curtilage of buildings, and Trust vehicles.
- To support the achievement of the college's objectives by working proactively with colleagues on projects or activities outside direct area of responsibility as required.
- To conduct oneself in a manner befitting a member of staff at all times, ensuring behaviours that display positivity to others.
- To make maximum use of opportunities to generate a culture of celebration and praise amongst the staff and students at the college.
- To follow the college's ICT policy for safe use of ICT.
- To be aware of and assume the appropriate level of responsibility for safeguarding and promoting the welfare of children and to report any concerns in accordance with the college's safeguarding policies. We expect all staff to share this commitment and to undergo appropriate checks, including an enhanced DBS.
- To place the safeguarding of all children in the college as the highest priority.
- To comply with legislation, policies and procedures relating to confidentiality and data protection, reporting any concerns to the appropriate person.
- To work in compliance with the codes of conduct, regulations and policies of the college and its commitment to equal opportunities.
- To comply with the college's Health & Safety policy and statutory requirements.
- To undertake any other additional duties not detailed above as required and as specified in the college Teachers' Pay and Conditions document, as long as they are commensurate with the level of the job.

This is not an exhaustive list of duties; they may be varied from time to time without changing the general character of the job or the level of responsibility. A high degree of flexibility and adaptability is an important element of this role.

This is a description of the role as it is now. We periodically examine employees' job descriptions and update them to ensure that they reflect the job as it is then being performed, or to incorporate any changes being proposed. We aim to reach agreement on reasonable changes, but if agreement is not possible, we reserve the right to insist on changes to your job description after consultation with you.

Person Specification

Criteria	Essential	Desirable
Qualifications		
Teaching Qualification	✓	
Good Honours Degree	✓	
Class of Degree 2:2 or higher	✓	
Class of Degree 2:1 or higher		✓
Professional experience and knowledge		
Ability to teach Science to GCSE level	✓	
Ability to teach Science to A level		✓
Personal aptitudes, qualities and skills		
High expectations of self	✓	
Belief in students' ability to succeed	✓	
Ability to act on advice and be open to coaching	✓	
Dedication and commitment	✓	
Openness to innovation and improving own practice	✓	
Ability to collaborate and work co-operatively	✓	
Commitment to extracurricular activities	✓	
Understanding of diverse teaching and learning styles	✓	
Ability to teach engaging, motivating lessons	✓	
Understanding of assessment for learning	✓	
Ability to set high levels of challenge for students	✓	
Ability to relate well with students, staff and parents	✓	
Understanding of behaviour management techniques and of the relationship between teaching and behaviour	✓	
Understanding of safeguarding issues and promoting the welfare of children and young people	✓	
Suitability to work with children	✓	

Ivy Education Trust is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment. All employees are expected to undergo Disclosure and Barring and employment checks.

Science Department

Approach

We teach Science because we find the world fascinating. We believe that it is every child's cultural right to understand and appreciate how the scientific method has revolutionised every area of human endeavour. We want our students to see the beauty and complexity of the universe through the lenses of Biology, Chemistry and Physics.

Although we all have specialisms, we see ourselves as teachers of Science. This means we have opportunities to model the intellectual curiosity that we expect and encourage from our students. We have high expectations of our students with regard to progress, achievement and behaviour and high expectations of ourselves with regard to the quality of our teaching, feedback and care of students.

The team

There are twelve teachers in the department, all of whom teach across the ability and age range at Key Stages 3 and 4. Most of the teaching team are also involved in teaching 6th form.

There is also a well organised, innovative and supportive technician team, comprising three technicians.

Departmental meetings occur regularly and are an important part of our drive to improve the quality of teaching and learning in Science.

Resources and teaching rooms

We have seven purpose-built, fully equipped laboratories, and three science teaching rooms. The laboratories are all equipped with standard apparatus and we have a wide range of specialist equipment. All the teaching spaces have data projectors and all the teachers have a laptop.

Curriculum

We have carefully designed and well-resourced programmes of study. Our aim is to have great resources and logical schemes of work that reduce planning workload thus allowing us to focus on improving our teaching and helping students.

We use the Edexcel specification for GCSE.

At post-16 we offer a range of qualifications: Applied Human Biology BTEC Level 3 National Extended Certificate, A-Level Biology (OCR), A-Level Chemistry (OCR) and A-Level Physics (Edexcel). The uptake for these courses has increased year on year and we strive to provide an excellent personalised education for all our Sixth Form students.

Why work at Newton Abbot College? Because we look after our staff.

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Fairy Godmother scheme – every member of staff has an anonymous fairy godmother who leaves them messages (cards and/or gifts).
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Annual flu jab offered to all staff.
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Annual diary/and or planner and staff handbook for all staff to aid planning and induction.
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No am briefings after a late-night whole school event.
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No after school meetings in the first and last week of each half term.
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In-trust career development and leadership courses; support to access the NPQ suite of courses and progression opportunities within the college's leadership structures.
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Centralised detention system for non-completion of homework and behaviour that does not meet expectations.
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All teaching staff receive weekly incremental coaching as their personalised CPD to develop pedagogy; no whole school one-size-fits-all approach.
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Staff social events each term and staff sport sessions/running club.
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PowerPoint clicker, visualiser and timer for all teaching staff to facilitate lesson delivery.
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Dedicated INSET days following exam and assessment windows to allow for marking, moderation and planning.
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Regular safeguarding updates to empower & protect staff.
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New staff buddy system: a buddy outside the department to catch up with for support.
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Transparent meetings schedule and sacrosanct line management meetings to ensure consistency of experience.
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Room 101 – regular opportunities to meet with the Headteacher and talk about things you'd like to change about the college.
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Laptop and tablet for teaching staff to allow for administering of ClassCharts without interrupting use of PowerPoint/other software delivering the lesson.
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Late start/early finish cards x 2 for every member of staff.
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SLT & coaching team open door policy.
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College calendar published at the year start detailing deadlines for advance notice.
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Centralised department schemes of work and shared resources.
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Three cover supervisors employed to minimise rarely cover.
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Only three data drops a year per key stage, staggered to ensure drops are manageable and timely.
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Cake (and fruit)-at-break Fridays.
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Communication strategy that protects time outside of the school day by promoting a 7am-7pm email window, core working hours, individual working patterns and no-email days.
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Numerous strategies to value staff contributions e.g. colleague of the month, thank you postcards, shout-outs.

Our mission is to provide all our students with the best educational experience we can. We are driven by having high expectations & standards in all we do; delivering high quality lessons that inspire & engage; maximising opportunities & outcomes; treating all individuals with care & compassion; and creating a strong culture & college community.