

UTC Portsmouth

Specialising in:
Science, Technology, Engineering
and Maths

PHYSICS TEACHER INFORMATION PACK



Teaching Physics at UTC Portsmouth

Thank you for taking an interest in UTC Portsmouth. We are a college specialising in STEM education for 14-19 year olds and we formally opened for learning in September 2017. We provide an exciting opportunity for young people in the area and UTC Portsmouth is specifically designed to function as a place of learning where college leavers will be well-equipped to provide employers and universities with the very specific skills they seek. I am thrilled to be leading this new college and we are all very excited about the interest it has generated in the Solent region. We are already oversubscribed with ambitious and mature young adults and there is a growing number of employer partners keen to work with us. UTC Portsmouth is a very stimulating and different place to learn and work. Our purpose built college is a great example of a modern college specialising in STEM.

Please look at our [website](#) and [prospectus](#) as they should give you a good idea of the sort of college we are. Our ethos is a simple one; young people acquire the very specific academic and technical skills needed for the world of work and higher education. But, just as importantly, they gain the necessary life and social skills in order to be happy, ambitious, independent and successful when they leave college. We are already a close and supportive community based on the importance we place on the quality of relationships. We are fortunate that the parents of our students are supportive and understand our purpose and values. UTC Portsmouth operates a 'business day'. This is slightly longer than most school days in order for students to experience as close to a full working day as possible. The advantage for students and staff alike is a much healthier work-life balance. During the day, students have additional independent study time and teachers have more than the usual PPA time.

In our first year, we had nearly 150 Year 10 and Year 12 students. In our second year we had over 300 students and now there are around 400 students. Over the next few years I will be filling the college with staff and students in planned stages until we reach capacity. As such, it is imperative that those staff appointed are resilient, versatile and highly organised self-starters.

I am looking for a **Teacher of Physics** to join our special team commencing in January 2020 (or mid February at the latest). I am only seeking excellent teachers who are able to teach 14-19 year olds, will secure excellent rates of student progress, are confident and highly organised team players (though applications from NQTs and strong teachers/instructors without QTS are most welcome too)

UTC Portsmouth is the Lead School for the Institute of Physics running regional CPD for teachers funded by the DfE. The college is proud to be acting in the capacity of Lead School. We are committed to the wider educational community and we aim to help raise standards in physics teaching across the local area and seek like-minded staff to deliver on this mission. Please navigate to the following blog posts ([link 1](#), [link 2](#)) for further information on our Lead School status with the Institute of Physics.

You need to decide whether the UTC is right for you and that you are right for the UTC, so if you would like any further information or a tour of the college, please contact my PA, Nadia Stroud at nadia.stroud@utcportsmouth.org or 023 93 120172.

Once again, thank you for expressing an interest in this exciting opportunity and I look forward to receiving and reading your application.

Ciaran O'Dowda
Principal

What makes us different?

UTC Portsmouth presents a new and very different opportunity in the area for teachers and students alike. Our students have made a conscious decision to choose us over their existing school or other FE options. They are passionate about science, technology (including computing), engineering and maths (STEM) and motivated towards preparing themselves for careers in these fields. They have been attracted by the opportunity to work with a wide range of committed employer partners and alongside like-minded students, both through their academic studies and through a range of employer-led projects. They expect to be taught by excellent teachers, and want to learn and be successful academically and professionally.

Leading and teaching in UTC Portsmouth will be challenging as is contributions to growing a new college. But, it is highly rewarding, as many of our teachers have already found and you have the opportunity to shape UTC Portsmouth as it develops and, more importantly, shape the futures of many young people.

A few key facts about UTC Portsmouth:

- UTC Portsmouth is a University Technical College, one of 50 across England
- In 2018, 93% of students leaving UTC across the country went into training, employment or higher education. Of that group, 81% who were starting university chose STEM courses compared with 46% nationally.
- Located in a new, purpose built environment with specialist facilities.
- When full, it will have 600 students aged 14-19.
- Our year 10 and 12 applications are both oversubscribed.
- Students study a mixture of academic and vocational courses.
- Employers and the University of Portsmouth contribute significantly to our students' education through projects and other enrichment activities.
- UTC Portsmouth is located in Hilsea, close to excellent travel links, the vibrant city of Portsmouth and surrounded by engineering employers.

Living and working in Portsmouth and the surrounding area

The City of Portsmouth and the surrounding area offers a diverse range of accommodation and housing options including small town, village and countryside settings. Portsmouth has excellent transport links by road, rail and ferry, with the school only a 10 minute drive from the city and situated in close proximity to the M27/A27/A3(M). Excellent rail connections link to London and Southampton as well as south east and south west coastal routes; ferries to France, Spain, the Channel Islands and the Isle of Wight; international airports in Southampton and Bournemouth and the only scheduled hovercraft service in Europe between Portsmouth and the Isle of Wight.

What can we offer you?

- a modern, purpose built and well equipped college
- state of the art facilities and resources
- the opportunity to teach and work with highly motivated students and parents
- a small, cohesive and mutually supportive staff team
- access to the Teacher Pension Scheme
- established links to employer partners and access to new and emerging partners
- access to an online Employee Benefits Portal offering access to a wide range of discounts and offers
- access to an Employee Assistance Programme offering personal, physical, emotional and wellbeing advice and guidance

What do students learn at UTC Portsmouth?

Our students have applied to come to the UTC Portsmouth in the knowledge that we are a specialist STEM college and our curriculum offer reflects this.

The offer at KS4 is:

Core (compulsory) subjects:

- GCSE English Literature
- GCSE English Language
- GCSE Maths
- GCSE Physics*
- GCSE Chemistry*
- GCSE Biology*
- GCSE Design technology
- OCR Cambridge National Certificate in Engineering Manufacturing

Options (two to be taken)

- GCSE Statistics
- GCSE Geography
- GCSE Computer Science
- OCR Cambridge National Certificate Principles in Engineering and Engineering Business

** Students will begin studying separate sciences. At the end of year 10, reviews will be conducted to see if some students may benefit from transferring to the double award.*

Sixth form offer:

We offer three pathways through sixth form; A levels, Combined or Technical.

A levels

Students choose three from the following list (a small number of students are permitted to do four):

Physics
Chemistry
English

Biology
Geography
Geology

Computer science
Further maths
Maths

Combined

Level 3 Cambridge Technical Extended Certificate in Engineering plus two A levels from the list above.

Technical

Level 3 Cambridge Technical Extended Diploma with a choice of two specialisms; mechanical electrical and electronic systems design engineering or engineering automation control and manufacturing process.

ROLE PROFILE

We are looking for a strong **Teacher of Physics** to join our special team commencing in January 2020. Ideally, the candidate will be a competent practitioner from education or industry with a keen interest in applying skills and experiences into a broader and encompassing engineering curriculum. If you are currently in industry and are seriously considering moving into educating young adults, UTC Portsmouth offers the best kind of environment: excellent facilities, very supportive colleagues, outstanding students, generous leave entitlement compared to industry.

POST TITLE	Teacher
Purpose:	<p>To ensure that students make excellent progress in classes taught, and that they enjoy them</p> <p>To plan and teach lessons to a consistently high standard, such that:</p> <ul style="list-style-type: none"> ● Learners are clear about the learning expectations. ● Learners are actively engaged and have the opportunity to apply themselves independently. ● Learners, of all abilities, are appropriately challenged. ● Learners make good progress in developing their: mastery, knowledge, understanding, skills and ideas (or lesson is setup to provide this). ● Marking is up to date, gives evaluative feedback and allows students the means and opportunities to improve their work. Marking addresses standards of literacy. ● Mark books show knowledge of progress <u>and</u> needs of each student. <p>To be a form tutor, supporting the academic, social, moral and cultural development of students in their care. To deliver their PSHE and citizenship education.</p> <p>To contribute to planning courses and curriculum development. To develop appropriate syllabuses, resource schemes of work, marking policies, and teaching strategies in the curriculum area. To contribute to whole college planning activities.</p> <p>To monitor student progress to inform teaching and learning and intervene, promptly and appropriately, with students when necessary.</p> <p>To fully participate in the enrichment programme and to cross-curricular and extra-curricular work.</p> <p>To communicate with parents in order to promote students' welfare and progress.</p> <p>To communicate with persons or bodies outside of the college as appropriate.</p> <p>To follow agreed policies for communications in the college.</p> <p>To take part in all liaison activities such as parents evening, open events, educational visits and liaison events with other schools and colleges.</p> <p>To contribute to the development of effective subject links with outside agencies.</p> <p>To contribute to the process of the ordering and allocation of equipment and resources.</p>
Professional	Teachers make the education of their pupils their first concern, and are

Standards (taken from Teachers' Standards)	<p>accountable for achieving the highest possible standards in work and conduct. Teachers act with honesty and integrity; have strong subject knowledge, keep their knowledge and skills as teachers up-to-date and are self-critical; forge positive professional relationships; and work with parents in the best interests of their pupils.</p> <p><u>Part 1:</u> Teaching</p> <ol style="list-style-type: none"> 1. Set high expectations which inspire, motivate and challenge students 2. Promote good progress and outcomes by students 3. Demonstrate good subject and curriculum knowledge 4. Plan and teach well structured lessons 5. Adapt teaching to respond to the strengths and needs of all students 6. Make accurate and productive use of assessment 7. Manage behaviour effectively to ensure a good and safe learning environment 8. Fulfil wider professional responsibilities <p><u>Part 2:</u> Personal and professional conduct</p> <p>A teacher is expected to demonstrate consistently high standards of personal and professional conduct (behaviours and attitudes) throughout their career</p>
Reporting to	Assistant Principal or Principal
Liaising with	Principal and other senior staff, heads of year, subject leaders/coordinators, relevant non teaching staff.
Working Time	200 days per year. Full time. (1265 hours does not apply)
Disclosure level	Enhanced
Teaching	To undertake an appropriate programme of teaching in accordance with the duties of a standard scale teacher.
Additional Duties	To play a full part in the life of the college. To support its distinctive aims and ethos and to encourage staff and students to follow this example.
Salary	UTC Main Scale M1 - M6, subject to relevant experience
Other Specific Duties	<p>To take part in the UTC's staff development programme by participating in arrangements for further training and professional development. To continue personal development in the relevant areas including subject knowledge and teaching methods.</p> <p>To engage actively in the performance review process.</p> <p>To help to implement college quality procedures and to adhere to them.</p> <p>To maintain appropriate records and to provide relevant, accurate and up-to-date information for the college MIS (iSAMS), progress data software, registers etc. Complete the relevant documentation to assist in the tracking of students.</p> <p>Whilst every effort has been made to explain the main duties and responsibilities of the post, each individual task undertaken may not be identified. Employees will be expected to comply with any reasonable request from a manager to undertake work of a similar level that is not specified in this job description. To undertake any other reasonable duty not mentioned above as delegated by the Principal.</p> <p>This job is current at the date shown, but following consultation with you, may be changed by the Principal to reflect or anticipate changes in the job which are commensurate with the salary and job titles.</p>

UTC Portsmouth

PERSON SPECIFICATION

Post: Teacher

Key: E = Essential
 D = Desirable
 A = Application Form
 I = Interview
 R = Reference
 L = Lesson

Attribute	Source of Evidence	Requirement
Qualifications Good honours degree Qualified Teacher Status Continuing Professional Development	A A A	E D D
Experience An effective teaching career, with a track record of above-average exam outcomes for students (or, if they are a NQT, good references from their training establishment and/or placement schools)	A	E
Knowledge An up-to-date knowledge of best classroom practice, including use of assessment for learning A secure knowledge of good practice for child protection	A, I, L A, I, R	E E
Skills and Abilities Good organisational and communication skills Ability to work effectively to deadlines Ability to work as part of a team Ability to communicate effectively and confidently with people at all levels An ability to inspire young people A determination not to tolerate underachievement	A, I, R, L A, I, R A, I, R A, I, R, L A, I, R, L A, I, R, L	E E E E E E
Other A love for the subject Commitment to the development and maintenance of positive partnerships between the school, parents and the community Good sense of humour even when under pressure An understanding of the moral seriousness of what schools/colleges do An absolute commitment to the welfare and development of our students Imaginative, innovative and flexible approach to methods of working	A, I, R A, I, R A, I, R A, I, R A, I, R A, I, R	E E D E E E

HOW TO APPLY

To apply, please forward an application form (available on the college website) together with your personal statement and a letter of application. Your supporting statement should outline how you satisfy the elements of the role profile. For candidates invited to interview, these responses will be explored further together with the other elements of the person specification.

Your application should include full contact details (address, daytime, home and mobile telephone numbers and email address) and details of two referees. For each referee please provide names, position, organisation, telephone numbers and email addresses. One of these must be your current /most recent employer.

Please send your completed application by email to hr@utcportsmouth.org. All applications will be acknowledged and will be responded to as soon as they come in.

Deadline: This post will remain open until successfully filled so please apply as soon as possible.

Safer Recruitment

We are committed to safeguarding and promoting the welfare of children and young people and expect all staff and volunteers to share this commitment. An enhanced DBS check will be required prior to any offer of employment.

Data Protection

You should be aware that the information you have provided will be stored on UTC Portsmouth's recruitment database and will only be used to process your application. It will not be passed to any other organisations with the exception of those involved in the selection process for this post.

Should you have any queries, would like to arrange a visit to the college or would like a confidential conversation, please contact our HR team at hr@utcportsmouth.org or on 02393 120 200.