



University
Technical
Colleges®



UTC Portsmouth

Specialising in:

Science, Technology, Engineering and
Maths

HEAD OF SCIENCE INFORMATION PACK

PRIMARY PARTNERS:



ASSOCIATE PARTNERS:



Working for 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 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.

Head of Science

We have an exciting opportunity for a Head of Science to join our supportive and cohesive team. The role would be suitable for anyone looking for a September start.

UTC Portsmouth offers the best kind of environment for teachers, including:

- Unparalleled, modern, purpose-built facilities and resources
- The opportunity to collaborate with our extensive list of employer partners
- Outstanding behaviour and endeavour from students who have chosen to study STEM subjects - if you love teaching we have students who love to learn
- A culture that encourages you to push the boundaries with your own practice - you will have the freedom to teach to your own strengths and will be given time to work on personal development projects
- A commitment to reduce workload for all staff (including, one morning or afternoon off a fortnight, a paid term-time day off per year, a staff benefit package and a reduced timetable for all staff)
- A visible and proactive SLT team who empower you to teach to your full potential
- A voice in how the college is run - we regularly seek and act on feedback from staff on how the college can be improved and encourage all staff to come forwards when they have ideas

UTC Portsmouth is the region's only STEM specialist college and we are looking for a Head of Science to join our team who strive for excellence, providing high-quality education to students at both GCSE and A level qualifications. The role would suit an experienced teacher of both KS4 and KS5 - likewise, extensive training and support would be provided for a candidate that demonstrated a willingness and capability to learn these skills. We are only seeking excellent teachers who want to teach 14-19-year-olds, and have a desire to share your passion for STEM with young people who are eager to

learn.

UTC Portsmouth students show maturity and focus and in addition, the college is a 'Google Learning' environment. Our network is new, flexible, robust, future-proofed and inclusive. It provides an interactive, collaborative and innovative learning environment. Our ICT is embedded across the curriculum, supporting all aspects of learning in the college.

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

James Doherty

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*
- OCR Cambridge National Certificate in Engineering Manufacturing
- OCR Cambridge National Certificate in Engineering Design

Options (two to be taken)

- GCSE Statistics
- GCSE Geography
- GCSE Computer Science
- OCR Cambridge National Certificate in Engineering Programmable Systems

** 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
Product Design

Maths
Further 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.

Head of Science Role Profile

Role Profile



“Excellence in STEM Education”

Owner:	Leadership (Head of Science)
Reporting to:	Designated member of SLT
Working time:	200 days per year. Full time. (1265 hours does not apply)
Salary:	UTC Portsmouth Leadership Scale: L1 - L6
Disclosure level:	Enhanced DBS required
Main Purpose of role:	
The following applies in addition to the “Teaching Staff Role Profile” (unless otherwise stated)	
Additional responsibilities:	
(Subject Leader):	
Formulating the aims and objectives of science and establishing the policies through which these shall be achieved:	
<ol style="list-style-type: none"> 1. lead learning, teaching and curriculum development in science to oversee the self-evaluation including the development and implementation of a Subject Improvement Plan 2. to contribute to whole college self-evaluation 3. developing and enhancing the teaching practices of science members in line with the college's Learning and Teaching Policy 4. ensuring team cohesion and effectiveness with a focus on learning and learning to learn 5. to ensure that programmes of study and schemes of work are complete, detailed and up to date. All courses are designed to take advantage of the contributions offered by our employer partners. Support the AP with evaluation of available courses and the introduction of new courses 6. developing assessment for learning as a means of raising levels of attainment 7. setting targets for science: setting targets for teachers, teaching groups and individual students in science 8. to monitor progress against targets at group and individual student level 9. devising, monitoring and implementing appropriate interventions designed to redress areas 	

of underachievement

10. supporting subject teachers in meeting targets
11. Managing appropriate grouping policy (according to school policy) to enhance standards of teaching and learning and to enable all students to at least reach their targets
12. ensuring the effective management and deployment of teaching/support staff, financial and physical resources
13. to ensure that suitable work is set for classes being covered
14. to contribute to cross phase and inter-dept liaison to ensure continuity and progress in student learning.
15. to monitor the progress of 'reportable groups' within science (PP, SEN, most able, ethnic minority etc.)
16. to ensure effective use is made of any delegated budget
17. to ensure that the learning environment is stimulating, well managed and fulfils health and safety regulations
18. to ensure that communication with parents, including reports, is effectively managed and of consistently high quality. Managing staff and resources to that end
19. to ensure that performance review of teachers within science is carried out in line with policies and procedures
20. to support teachers of science with their personal professional development
21. organise an effective pattern of meetings to help support the work of science
22. to support staff via the college's behaviour management policies and practices
23. To undertake any professional duties of the Principal thus delegated
24. To lead by positive and effective example
25. To ensure all health and safety policies and procedures are adhered to, kept up to date and that training is delivered as required.

Outcomes:

1. Science is led and coordinated in a highly focused way, which ensures a consistent high level of student progress measured in terms of 3 and 4 levels (or equivalent).
2. Self evaluation is effective and focussed and informs early intervention for improvement
3. All staff within Science have a clear understanding of their particular roles and responsibilities
4. Students within Science are highly engaged and motivated proving positive feedback regarding their experiences and learning in lessons and know what they need to do to make further improvement
5. Assessment for learning is widespread and effectively used
6. Teachers of Science are highly engaged and motivated, fully understand their role and feel challenged, valued and supported (evidenced through performance review)
7. The school performance management system is applied rigorously and effectively with teachers benefiting the continuing professional development

Additional roles specific to "Head of Science" position:

1. To ensure that science technician team is effectively managed

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.

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.

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.

Please note: We reserve the right to close this post early if the right candidate is found, so please submit your application 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 or would like a confidential conversation, please contact our HR team at hr@utcportsmouth.org or on 02393 120 200.