

SCIENCE AND ENGINEERING
EXCELLENCE FOR ALL



UTC OXFORDSHIRE PROSPECTUS



DISCOVER A NEW WORLD OF OPPORTUNITIES

Our aim is to become a world-class centre of excellence in science and engineering education for students aged 14 to 19.

Our students will be well known for having the skills, attitudes, behaviours, knowledge and experience that the world's leading employers are looking for. You will be well connected with our industry partners; locally based national and international organisations such as UK Atomic Energy Authority, RM Education and MINI Plant Oxford, which will give you access to great opportunities for employment and sponsorship.



Lead sponsor
**ACTIVATE
LEARNING**



**UK Atomic
Energy
Authority**





RMTM
Education



**Science & Technology
Facilities Council**



**OXFORD
BROOKES
UNIVERSITY**



**University of
Reading**



**ROYAL
HOLLOWAY
UNIVERSITY
OF LONDON**



REACTION ENGINES
Aerospace Propulsion Systems

UTC Oxfordshire - home of The Bloodhound SSC Headquarters



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THE FACILITIES ON OFFER HERE, COUPLED WITH THE LEVEL OF EXPERIMENTS THE STUDENTS ARE COMPLETING, MAKE THIS SCHOOL UNIQUE.

GIVEN THE IMPORTANCE OF SCIENCE AND ENGINEERING TO OUR ECONOMY, AND THE POTENTIAL SKILLS SHORTAGE IN THESE AREAS, THE IDEA OF A SCHOOL LIKE THIS IS OBVIOUS AND YET IT TAKES SOMEONE TO ACTUALLY DO IT. THAT IS THE GENIUS OF THE PLACE, THAT SOMEONE HAS GOT THE CONCEPT UP AND RUNNING AND THAT THEY ARE DELIVERING THE CURRICULUM IN PARTNERSHIP WITH ORGANISATIONS SUCH AS THE SCIENCE AND TECHNOLOGY FACILITIES COUNCIL.

OUR COUNTRY IS THE BEST IN THE WORLD WHEN IT COMES TO THE EFFICIENCY OF OUR SCIENCE RESEARCH AND WE NEED MORE YOUNG PEOPLE WITH THE SKILLS TO SUSTAIN THIS POSITION. SCHOOLS LIKE THIS CAN HELP BY OPENING UP ACCESS BETWEEN STUDENTS AND INDUSTRY.

Professor Brian Cox,
UTC Oxfordshire's official
opening event



BE INSPIRED

As you approach the beginning of your GCSEs or A-levels, you'll be facing some important choices about your learning. Getting these decisions right will set you on the path to a great career. We're really pleased that you're thinking of coming to UTC Oxfordshire and want to share some of the possibilities that the UTC can create for you.

Science and engineering are important sectors for the economy in Oxfordshire. The area has high employment rates and is the base for many national and global companies. UTC Oxfordshire offers high-quality and innovative education for students aged 14 to 19 that will help you take advantage of career opportunities in the region's science and engineering sectors.

UTC Oxfordshire is a very special place, created through a partnership between industry and education. Our new approach to the curriculum, grounded in traditional values, will provide a great foundation for your future.

With us, you will be able to follow your areas of interest in either science or engineering while studying GCSEs and A-levels and learn invaluable practical skills from the best in the industry. We are confident that students who attend UTC Oxfordshire will be given the best start in a variety of progression routes into employment and further or higher education.

UTC Oxfordshire will offer you something different, and we expect you to want something different:

- » **To follow your interest in either science or engineering while studying for your GCSEs or A-levels**
- » **To learn differently through our industry challenges and projects set by our industry partners**
- » **To want the best chance of moving into employment or further and higher education in your chosen field**

If you enjoy learning through doing, want to benefit from the latest technology in learning and be in an environment that feels more like being at work than school, then UTC Oxfordshire could be for you.

We hope our guide will inspire you to find out more about the great opportunities we have to offer at UTC Oxfordshire and we would warmly welcome you to join us in September.

Owain Johns
Principal

Glen Young
Vice Principal



Science & Technology
Facilities Council



ACTIVATE LEARNING EDUCATION TRUST (ALET)

UTC Oxfordshire is a member of Activate Learning Education Trust, a Multi Academy Trust (MAT) established by Activate Learning.

Activate Learning Education Trust exists to deliver excellence in education and transform lives through learning. Our schools to date are UTC Oxfordshire, UTC Reading, UTC Swindon, Bicester Technology Studio and The Bicester School.

As a member of Activate Learning Education Trust, UTC Oxfordshire benefits from the following:

- » **Excellent leadership being spread across all partner schools**
- » **Leadership development that happens across all partner schools**
- » **Sharing of resources without any barriers**
- » **Shared contracts across the group, reducing costs**



ACTIVATE LEARNING EDUCATION TRUST'S CORE PURPOSE IS TO DELIVER EXCELLENT TEACHING, LEARNING AND ASSESSMENT AND A HIGH QUALITY LEARNER EXPERIENCE, UNDERPINNED BY HIGH EXPECTATIONS AND FOSTERING HIGH ASPIRATIONS FOR ALL.

UTC OXFORDSHIRE PROVIDES A HIGH QUALITY TECHNICAL EDUCATION, CO-CREATED WITH EMPLOYERS, GIVING STUDENTS A CLEAR LINE OF SIGHT TO WORK. THROUGH THE LEARNING PHILOSOPHY, STUDENTS ARE ABLE TO FULFIL THEIR POTENTIAL AND DEVELOP INTO POSITIVE, MOTIVATED, EMPLOYABLE YOUNG PEOPLE WHEN THEY LEAVE EDUCATION.



Lee Nicholls
Executive Director, Activate Learning
CEO, Activate Learning Education Trust



ALET LEARNING PHILOSOPHY

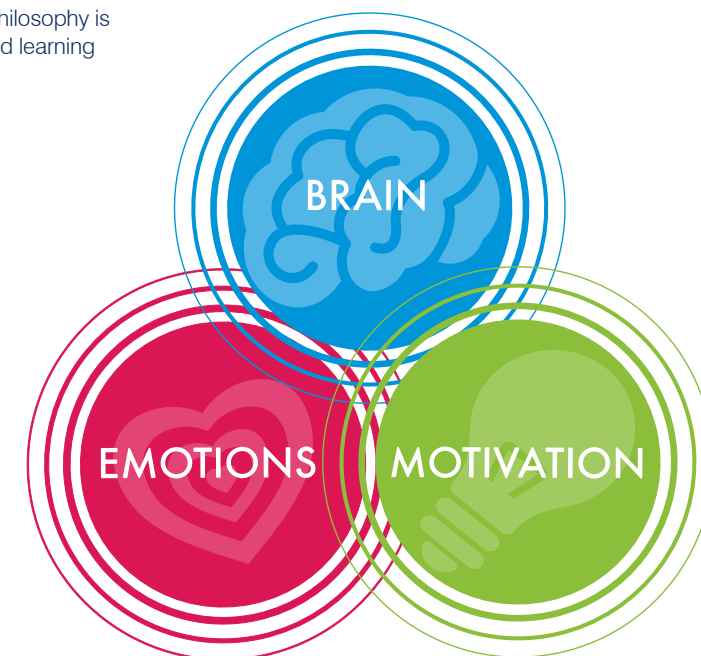
The ALET Learning Philosophy has been developed by members of the Activate Learning group and recognises three essential elements for effective learning:

- » **BRAIN – our brains are capable of incredible things. From the study of neuroscience we know how the brain forms networks and how learning takes place when neurons connect. We know how to deepen these connections through ongoing practice and how to replace poor learning with good habits.**
- » **MOTIVATION – while our brains may be capable of learning anything, we are only likely to use them if we are motivated to do so. Our approach to learning helps to demonstrate the relevance and impact of new skills and knowledge so that students maintain motivation.**
- » **EMOTIONS – the biggest barrier to effective learning is our emotional response. Learning involves taking risks and students must feel safe, secure and confident to do this.**

This philosophy translates into an educational experience which offers:

- » **opportunities to test new skills through practical, real-world projects**
- » **experiences of work which demonstrate the relevance and impact of knowledge**
- » **a focus on developing independent learning skills, communication and teamwork**
- » **a supportive learning environment which encourages students to take risks and learn from mistakes**

Find out more about how our Learning Philosophy is inspiring new approaches to teaching and learning throughout this prospectus.



WHAT IS A UNIVERSITY TECHNICAL COLLEGE?

A UTC is different from the average school because it has support and backing from local, high-profile industry partners who are involved in the development of the curriculum. Each UTC also has academic partners who help make sure that it really can offer students the best of both worlds.

This means you can take advantage of a UTC's specialist subjects while still taking the GCSEs and A-levels that you would at school.

UTCs are for students aged 14 to 19, as this is the age when you'll have a better idea of what you are really interested in and whether you would enjoy learning in a more high-tech environment.

The UK needs advanced technical skills at all levels if we are to prosper. Whether in manufacturing, wind farms, rail links or high-tech hospitals, we need a workforce that can develop new products, stretch and reuse existing resources and meet the challenges of the future. UTCs are meeting the needs of the skills gap and by 2018 around 30,000 students will be able to follow this new technical education pathway.

Find out more: www.utcolleges.org



University
Technical
Colleges

Yassmine Girgis, UTC Oxfordshire alumna and current apprentice at Jaguar Land Rover

"The whole experience here at the UTC made it really worthwhile; the facilities are obviously amazing, which normal schools don't have, but also the staff here are so respectful to you and this makes for a really nice learning environment. If you show focus and have a good work ethic then the teachers will happily help you out. There is a really good relationship between students and teachers here. They want you to enhance your knowledge, so it's not only about what's on the syllabus, but also a wider range of things from their personal experiences of working in industry. You may not particularly need to know these things at this stage but it helps you to see a wider picture."

"The motivation from my tutors and teachers is what helped me to get the apprenticeship as they aren't just satisfied with making sure you have somewhere to go after the UTC; they want to make sure that it works for you and gives you a challenge. They push you to understand all the options that are available to you, so that you can choose the best option."



CASE STUDY

£77
BILLION

PHYSICS-BASED BUSINESSES
ACCOUNT FOR MORE THAN ONE
MILLION JOBS IN THE UK AND
CONTRIBUTE £77 BILLION TO
THE UK ECONOMY



UTC OXFORDSHIRE

Free and non-selective, UTC Oxfordshire specialises in life sciences, physical sciences and engineering, alongside a broad and balanced curriculum.

Do you want to:

- » learn more about science and/or engineering in a hi-tech environment?
- » have a career where your skills will be in demand?
- » gain specialist skills and knowledge relevant for industry, but keep more general options open too?
- » be sure of a route into further education, university, employment or an apprenticeship?
- » move on from your secondary school because you are ready for exciting real-world learning?

- » study in a professional, work-like environment?
- » complete homework and assignments during the working day leaving you with spare time to pursue your other interests?
- » learn in a relatively small community and enjoy plenty of individual help when you need it?
- » have the opportunity to develop all round interests, including sport, music or languages?

If you answered yes to any of the above, then UTC Oxfordshire could be for you.



A very warm welcome to UTC Oxfordshire. The governors are proud of our school community which continues to develop its own sense of identity and confidence. Excellent staff and students are at the heart of this. Care and support is tailored to each student's needs, providing the right environment and opportunity that maximises their learning and attainment potential. Strong links with tertiary education organisations and industry also offer the greatest possible opportunities beyond college. This UTC brings together community and education, and it is my privilege to serve in this place.



Mark Bodeker, Chair of Governors at UTC Oxfordshire

Key facts for parents and carers:

- » There are no tests required for students to be accepted into UTC Oxfordshire
- » No more than 600 students will be accepted, with class sizes limited to 25 students to ensure that the ratio of teachers to students remains low
- » The school day typically runs from 8.30am to 5pm except on Mondays and Fridays when classes finish at 4pm
- » The school year follows a pattern similar to that of other local secondary schools
- » UTC Oxfordshire offers a strong pastoral care system, allowing each student to be known and developed by every member of staff
- » Curriculum content is shaped through the partnership of employers and universities and developed in-line with government requirements
- » Students gain well-known qualifications that are recognised by employers and universities
- » The technology that students use is industry standard



THE UK NEEDS TO BOOST ITS HIGH-SKILLS BASE TO GENERATE LONG-TERM GROWTH AND KEEP PACE GLOBALLY. UTCs ARE ONE OF THE KEYS TO BRIDGING THE GAP - GIVING TOP CLASS VOCATIONAL EDUCATION WHICH EQUIP YOUNG PEOPLE FOR WORK AND LIFE. WE ARE DELIGHTED TO BACK AN EXCELLENT INITIATIVE TO BOOST THE REGIONAL ECONOMY AND HELP TRANSFORM YOUNG PEOPLE'S LIVES.



Professor Gavin Brooks, Pro-Vice-Chancellor (Teaching and Learning), University of Reading

Chaiwat Vongseenin - UTC Oxfordshire alumnus and current engineering student at Loughborough University

"I'm definitely glad about coming here. The teachers are all really experienced and passionate about what they do and I think that helps with motivation."

"Being at the UTC itself really helps when applying to university; I think it puts you one step ahead of other applicants. It shows that you're already dedicated to engineering and have taken the decision to pursue this career wholeheartedly."



CASE STUDY

WOMEN IN STEM

UTC Oxfordshire is an inclusive learning environment, and that includes providing opportunities for girls who want to build a career in STEM (Science, Technology, Engineering and Maths) industries.

We are committed to encouraging and empowering girls who choose to study STEM subjects and build a career in technical industries.

Science and engineering are not just for boys

Myth: Boys are better at mathematics and science than girls.

Fact: Boys and girls are both capable of excelling in mathematics and science. Research by the WISE campaign and the Royal Engineering Academy found that girls achieve better or equal grades than boys at GCSE in most STEM subjects, and those that choose STEM at A-levels achieve higher A*-C grades.

Myth: Girls don't like technology.

Fact: Girls are very interested in technology, but cultural differences in the way boys and girls are raised typically limit the experiences girls have with different technologies.

Myth: A female engineer or scientist can't be feminine.

Fact: A quick survey of the profiles of various famous female engineers or scientists is living proof that they are the same kinds of women found in other professions.

Myth: Women can't succeed professionally in engineering careers.

Fact: Engineering is still a male-dominated profession, but women can and do build successful careers in this field. WISE interviewed 300 female engineers and 98% said their job was rewarding.

ONE THIRD

GIRLS MAKE UP LESS THAN
ONE THIRD OF A-LEVEL AND
GCSE PHYSICS STUDENTS
BUT OUTPERFORM BOYS AT
BOTH LEVELS.

Tiffany Cox - UTC Oxfordshire alumna and current apprentice at Williams Formula 1

"I am a very practical person; learning through writing is a very difficult method for me to understand. Due to this, I thought an apprenticeship was the only way really.

"The Williams F1 placement came through the school. If I didn't come to this school I wouldn't have got the opportunity to work with Williams.

"The fact that the teachers know you as an individual and you're able to discuss important decisions with them makes studying and planning your future much more enjoyable."



CASE STUDY



£2BN

STEM SECTORS NEED TO BE ABLE TO DRAW ON THE WHOLE OF THE UK TALENT POOL. ACCORDING TO THE ROYAL SOCIETY OF EDINBURGH, INCREASING THE PARTICIPATION OF WOMEN IN THE STEM LABOUR MARKET COULD BE WORTH AT LEAST £2BN TO THE UK ECONOMY.

LEARN FOR THE REAL WORLD

Our aim is to become a world-class centre of excellence in science and engineering education for 14 to 19 year olds who are committed to succeed in these areas.

Our students will be known for having the skills, attitudes, behaviours, knowledge and experience that the world's leading employers are looking for. You will be well connected with our industry partners; locally based national and international organisations such as UK Atomic Energy Authority, RM Education and MINI Plant Oxford, which will give you access to great opportunities for employment and sponsorship.

The learning experience

Your learning experience at UTC Oxfordshire will be practical and engaging. You will attend lessons and seminars to learn about new topics, but these are kept to a minimum to allow for project-based and practical learning.

You'll also have plenty of time and quiet desk space to complete your independent study tasks. There will always be someone on hand to help if you get stuck and at the end of the day you can go home without homework to do. Of course, like anyone with a rewarding job, you'll take your interests home with you, and we can't promise that you won't sometimes want to do a bit of extra reading or research.

Because our day is longer, you will need to take greater responsibility for your own time. It also means that you have the opportunity to take part in clubs and activities within the working day. As well as being part of our broad curriculum, it will help you to enjoy life and to build up strong practical and social skills.

The learning environment

When our students leave the UTC and enter employment, they need to feel confident to work both independently and collaboratively in a professional environment. You therefore will spend a large part of your working week at the UTC experiencing and gaining skills in a similar context. Group project work will take place in our purpose-built laboratories and workshops and you will complete your own study tasks in our independent learning spaces.

Employer-led learning

Leading local employers are behind UTC Oxfordshire. They help us to design and deliver project-based learning using real life issues and design challenges. By working with an employer on an industry relevant project, you will build the relevant skill sets, plus meet industry standards and expectations which will prepare you for life in the workplace.



MY SON HAS NEVER BEEN SO HAPPY, MOTIVATED, STRETCHED AND FULFILLED AT SCHOOL AS HE IS NOW THAT HE HAS JOINED THE UTC. DURING HALF TERM THE WORDS 'I CAN'T WAIT TO GO BACK TO SCHOOL' WERE UTTERED ON MORE THAN ONE OCCASION. HE USED TO SWITCH HIS BRAIN OFF TO GO TO SCHOOL BECAUSE HE WAS SO BORED. HE IS TRANSFORMED!

Parent of a UTC Oxfordshire student



MINI dashboard design project

Students at UTC Oxfordshire took part in a project set by industry partner BMW MINI. Year 10 students were tasked with creating a design for the dashboard of the Next Generation MINI in 2020, whereas Year 12 students had to create a design for the steering wheel of the Next Generation MINI in 2020.

Students were put into teams to work on the project, many of them opting to assign different aspects of the project to individual team members, but still working together to ensure that the final design and presentation was coherent. They had to consider the 'design fundamentals', such as cost, safety and materials, as well as 'design dilemmas', such as iconic MINI design cues, traditional modern design approach and functionality versus enhancement of the MINI experience.

At the end of the project, all teams had to present their designs. From these presentations, four teams were chosen from each year group to present their design again to a panel who came from the MINI Plant in Oxford to judge the projects. The judges were all impressed with the level of quality of the designs and how the teams worked together to present their ideas. Much work had gone into researching the history of the MINI and its place as an iconic car. Finally, a team from Year 10 and a team from Year 12 were selected as winners of the project.

THE KEY STAGE 4 PROGRAMME

Life in Years 10 and 11 at UTC Oxfordshire will be unlike any school experience you’ve ever had before.

Core subjects	GCSE Mathematics, Further Mathematics GCSE English Language, English Literature GCSE Biology, Chemistry and Physics Health and fitness Personal, social and health education
Specialist option (choose one)	Cambridge Nationals in Engineering (Design and Manufacturing) BTEC First Extended Certificate in Applied Sciences
GCSE option (choose up to three)	GCSE Business Studies GCSE Computer Science GCSE Modern Foreign Language GCSE Product Design GCSE History GCSE Geography
Creative and enterprise (pick and mix)	Non-examined enrichment options: <ul style="list-style-type: none">» making the most of our facilities for music, art and performance and for sports» talks, special interest clubs and challenges that build further on our technical specialisms» student-led companies delivering innovation and value to our local industry partners and the community» employability skills delivered through employer-led projects

Subjects

Alongside your specialism, all students will study the core curriculum subjects of mathematics, English, science, personal, social and health education.

GCSE Computer Science

Don't confuse GCSE Computer Science with computer literacy or ICT, which you would find in any school. We are talking about a whole new way of learning, thinking and working, which will be key to you becoming a creative and innovative team player in our 21st century world.

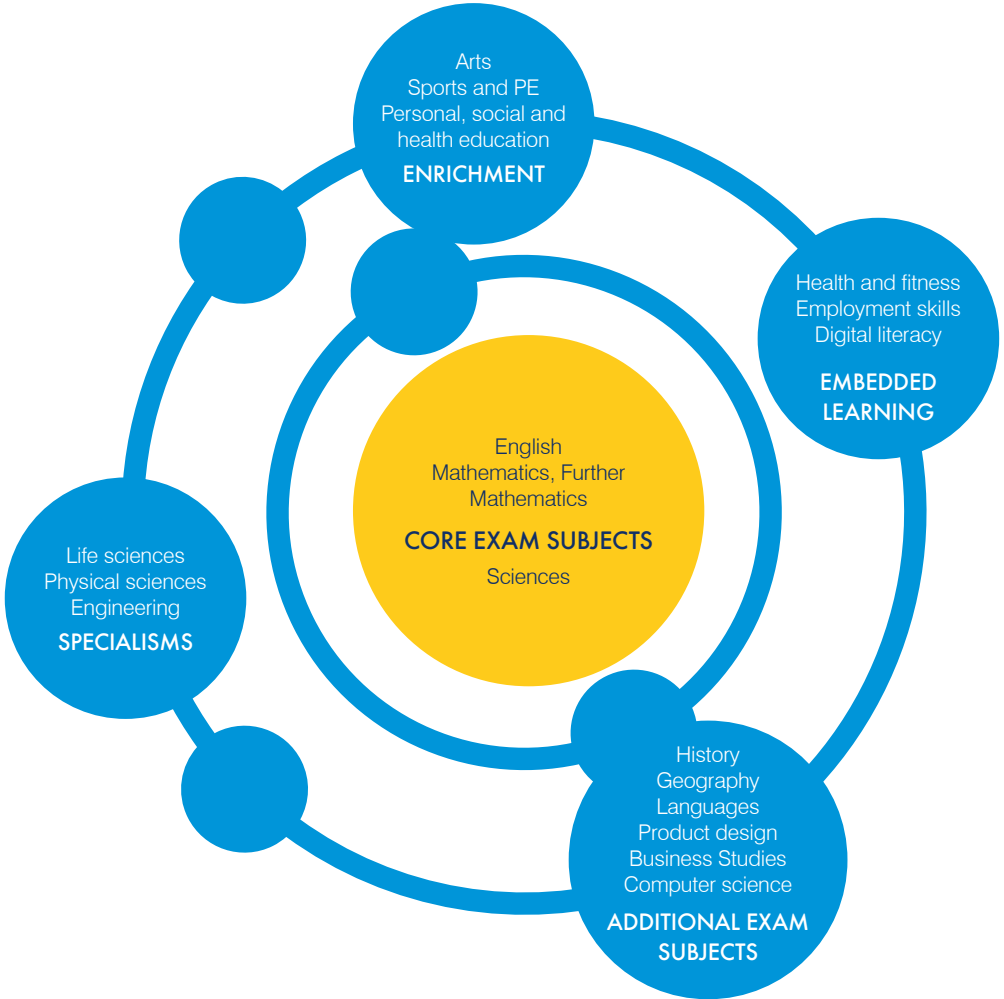
UTC Oxfordshire is proud to be at the forefront of this exciting renewal of technical education that will benefit students both in the UK and worldwide.

Specialist options

Science and engineering is at the heart of UTC Oxfordshire, so our GCSEs and specialist studies link closely together. They both benefit from the practical expertise and real work projects that our industry and university partners bring.

At Key Stage 4, the specialist qualification is a BTEC First Extended Certificate or Cambridge National Qualification. These qualifications are the initial step on the ladder of modular courses that are based on learning by doing and which lead on to both apprenticeships and higher education. They have recently been updated to match the latest government requirements on rigorous standards.

Students learn through a combination of units, some of which are internally assessed while others are externally examined. The qualification title and modules will depend on which specialism you choose.



Engineering (Cambridge National Qualification in Engineering)

In leading research establishments like those at Harwell and Culham, and across manufacturing industry and technical service suppliers, engineers and engineering technicians are in high demand for their practical abilities to make things work.

The course is made up of engineering, design, manufacture and systems control. Together, these will give you a firm grounding across all aspects of engineering and open up a wide range of careers.

Science (BTEC First Extended Certificate in Applied Sciences)

The Extended Certificate in Applied Science allows students with a passion for science to study modules beyond the GCSE sciences, with a more vocational and practical approach to science investigation. The overlap of content helps ensure that students choosing this specialism will gain three very good GCSEs in science as well as their BTEC.

The BTEC curriculum comprises eight core and four optional modules. In one of these, students plan and carry out their own practical science research projects. In another, students investigate the ways in which key scientific theories have been developed and tested, and discover how peer review helps us distinguish what is good, reliable science and what is not.

The final two modules explore biotechnology procedures and applications, and designing and making useful devices in science.

SIXTH FORM

Flexibility is at the heart of our approach in our Sixth Form. You can study A-levels, a vocational qualification in engineering or science, or a blended approach combining both A-levels and vocational qualifications.

When starting at the UTC Sixth Form you decide on your study programme:

- » Up to 4/5 A-levels on their own
- » An engineering or science BTEC
- » A blend of A-levels and a suitable sized BTEC

How long does it last? Usually two years, although some students may choose to complete their studies after Year 12 with the qualifications they have gained.

What can it lead to? Higher education, employment or a higher apprenticeship.

Programme Level 3

Who for? Students with good GCSEs, at least five at grade A*-C, including English, mathematics and science.

Tom Eagles - UTC Oxfordshire alumnus and current apprentice at Culham Centre for Fusion Energy

"I joined UTC Oxfordshire in 2015 and I thought there were more positives to the UTC than my secondary school. I felt the teaching quality here would be of a higher standard and more focused on engineering, which is what I wanted to pursue. They have brand new facilities here and I'm one of the few people who get to use all of the machinery. I also get the opportunity to program the machines too."

"I'm very glad I decided to join the UTC. If I'd carried on at my previous sixth form I would have had no knowledge about electrical engineering, as you only get to do a small amount of study based on engineering when you are at secondary school. Any of the interviews I would have gone to for an apprenticeship, when they asked me questions on electrics, I would have had no idea what to do. Studying at the UTC has inspired my interest in electrical engineering. As Culham is one of the partners to the UTC, it helped my CV look far more attractive when I applied for the apprenticeship." engineering knowledge, which went down very well with Jaguar Land Rover."



CASE STUDY

Subjects

Biology, chemistry, physics, computer science, product design, mathematics, and further mathematics A-levels.

Physics and mathematics are key underpinning subjects for engineering degree courses, and are highly regarded both by hi-tech employers and universities. Together with biology and chemistry, these are the main A-level subjects on offer at UTC Oxfordshire.

Extended Project Qualification (EPQ)

This gives huge scope to work with our industry partners and to pursue your own interests. It is equivalent to an AS-level and it is highly valued by university admissions tutors.

The EPQ can take the form of a manufactured product, an academic dissertation or a scientific investigation.

Professional qualifications

During your time at UTC Oxfordshire you will have the opportunity to complete a number of professional qualifications from the suite of:

- » Laboratory and Associated Technical Activities (LATA)
- » SolidWorks Professional Accreditations

Progression

Entry

Five GCSEs A*-C
including English
and mathematics

GCSEs

Study at UTC Oxfordshire

Level 3 programme

1-5 A-levels

BTEC Level 3 Diploma/Extended Diploma

Blended A-levels and BTEC

Extended Project Qualification

Level 2 programme
BTEC First Extended Certificate
and GCSEs

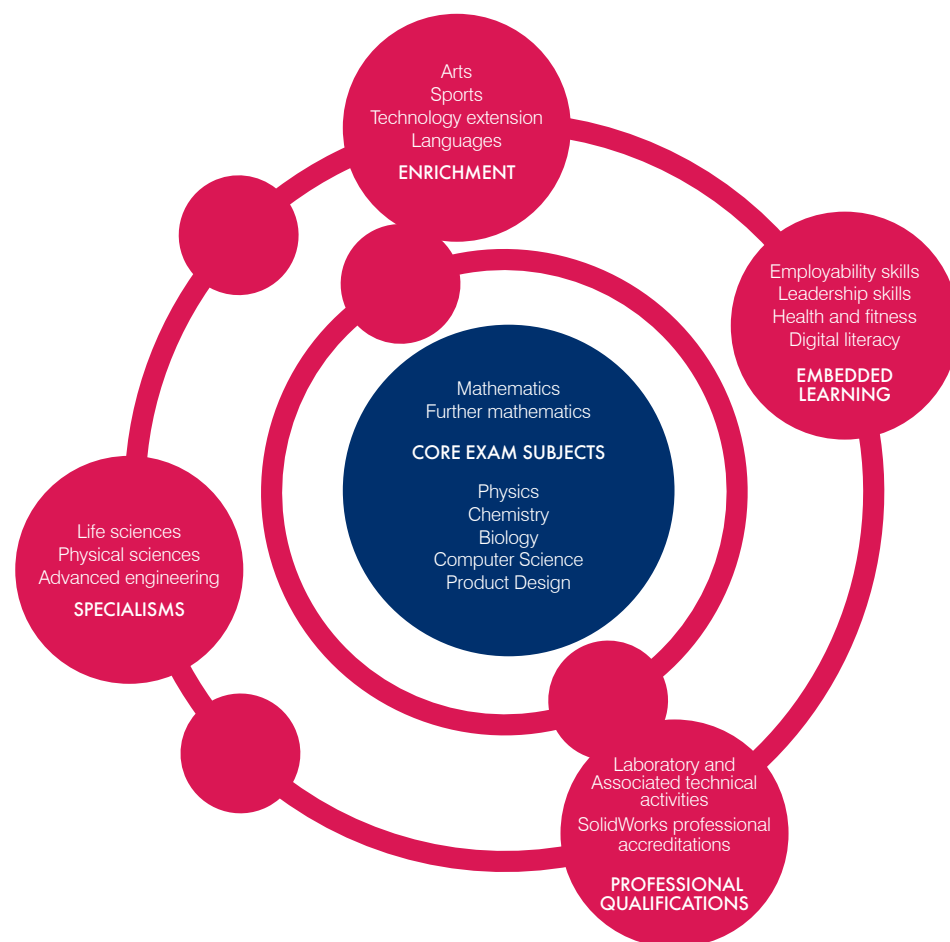
Progression

Higher education
Employment
Higher apprenticeship

Employment
Advanced apprenticeship

Employment
Apprenticeship





What's special about our specialisms?

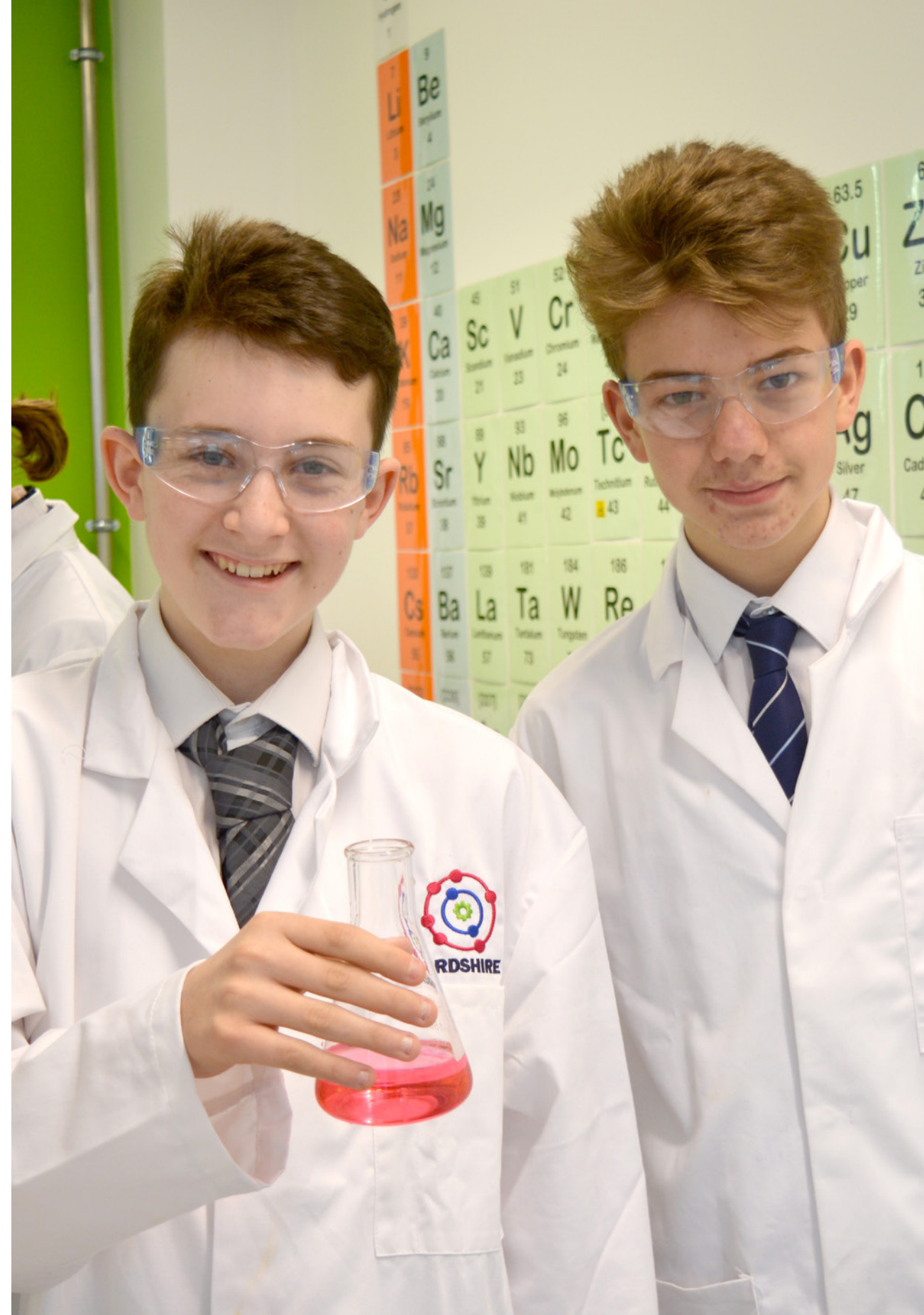
Chosen and designed with the expertise and advice of our industry partners, our specialisms offer you everything you'd expect in a school science or technology curriculum, but with extra hands-on experience that you just won't get anywhere else:

- » Fluorescence microscopy - used by microbiologists, cellular biologists and a host of hi-tech enterprises to support biotechnology applications
- » Mammalian tissue culture – the essential research skills for microbiologists working on cancer cure and gene therapy
- » Robotics and remote handling – design, programme and maintain the machines that we depend on for high-quality volume manufacturing, manipulating very large or microscopic objects, working in hazardous environments e.g. undersea, in space and nuclear reactors

First school in the world to offer:

- » vacuum technology – techniques essential for space research, semiconductor manufacture, particle physics research
- » cryogenics – experiments at low temperatures with liquefied gases and down close to absolute zero where some materials become superconducting or superfluid

These enabling technologies support at least 17% of the UK economy!

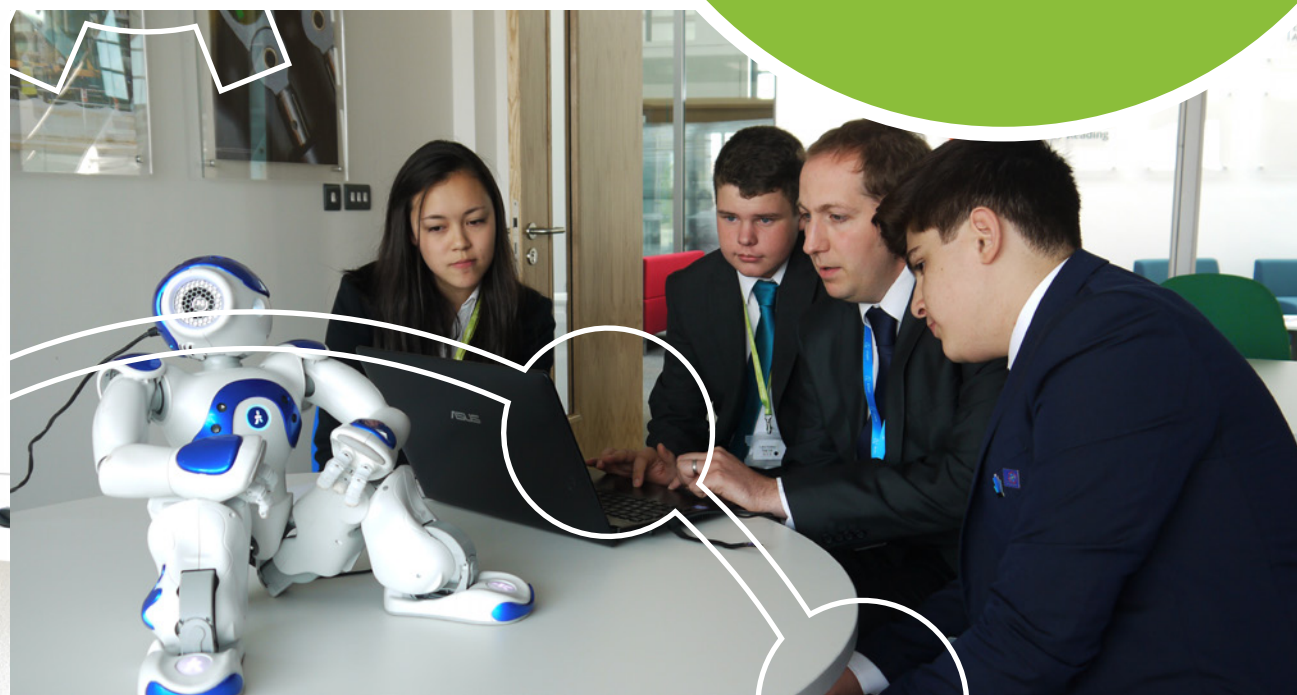


LEARN IN A STATE-OF-THE-ART ENVIRONMENT



OVER £10 MILLION
HAS BEEN INVESTED IN
DEVELOPING THIS STATE-OF-
THE-ART LEARNING CENTRE FOR
SCIENCE AND ENGINEERING.
ALL EQUIPMENT AND FACILITIES
AT UTC OXFORDSHIRE ARE HIGH
TECH AND SPECIFIED BY OUR
INDUSTRY PARTNERS.

BASED
IN SCIENCE VALE
UK, UTC OXFORDSHIRE
WILL EQUIP STUDENTS TO
EXCEL IN THE NATIONAL
AND GLOBAL SCIENCE
AND ENGINEERING
SECTORS.





Life on campus

UTC Oxfordshire is at the leading edge of technology in learning. Personal devices can be used anywhere to access your work and study resources. Our science labs, engineering workshops and computer science spaces are high-tech and will enhance your learning. When you've built up an appetite, you can eat in the Elements café where you can have a snack or a full meal.

Our independent learning spaces offer a flexible, hot desk office working environment. You will pick up the habits and skill of planning your time and moving between individual desk work, meetings, briefings and practical tasks.

Technology

We believe that it is important that students not only have an in-depth understanding of technology but that they also understand how it is used in a day-to-day environment. You will be continually challenged in your IT skills and how to apply them in digital art, scientific work, music, humanities and sport.

Enrichment

Enrichment activities take place twice a week as we believe learning is enhanced by sports, arts and leadership building initiatives. UTC Oxfordshire has an indoor hall for games, fully-equipped fitness suite and music room. There is also a playing field with enough space for football and other outdoor games.

£25,880

IS THE AVERAGE GRADUATE
SALARY FOR ENGINEERING AND
TECHNOLOGY, COMPARED TO
£22,000 FOR ALL GRADUATES



IMAGINE
YOUR DAY
AT THE
UTC



8.15am

I arrive for the day ahead and pop into the Elements café

8.30am

Meet with my tutor group for the launch of this week's Big Debate.

8.45am

First lesson of the day is maths. We are looking at acceleration calculations used to design and engineer cars.

9.45 am

Second lesson of the day is life science and we are measuring blood pressure and heart rate using equipment in our fitness suite, recording the data on our laptops.

10.45-11.15 am

Morning break - grab a drink and head to the music practice room.

11.15-12.15pm

In today's computer science lesson we are learning to programme the Vex robots ready for the national championship later in the year.

12.15-1.15pm

In today's English lesson I am writing up my interview with Richard Noble, the project director of the BLOODHOUND SSC, on what it takes to break the land speed record.

1.15-1.45pm

Lunch in the Elements café. I collect and pay for my food with my ID card.

1.45-2.45pm

Independent learning time. I plan to watch a YouTube clip on my laptop about the BLOODHOUND project and finish writing up my interview.

2.45-3.00pm

Afternoon break and a quick game of table tennis.

3-5pm

Engineering and time to work on my CAD drawings of our group's design for the new MINI dashboard and start making my model.

INDUSTRY PARTNERS

UTC Oxfordshire is fortunate to be supported by our sponsors and partners who are working together to make sure we provide science and engineering excellence.

Partners are involved in a number of ways, including:

- » consultancy and advice on curriculum content
- » product and services donations
- » employer accreditations
- » employer-led projects and challenges
- » coaching and mentoring
- » providing work experience opportunities

Lead sponsor

Activate Learning

Activate Learning brings together secondary, further and higher education, workforce training, consultancy and social enterprise. It is also the lead sponsor for UTC Reading, which opened in September 2013 and is the only UTC in the country to be rated outstanding across all areas by Ofsted.

First and foremost, Activate Learning is an education business that puts its learners at the centre of everything it does. Its mission is to transform lives through learning.



Lead sponsor

Industry and academic partners



Science & Technology
Facilities Council



University of
Reading



REACTION ENGINES
Aerospace Propulsion Systems



Find out more about our lead and associate industry and academic partners on our website:
www.utcoxfordshire.org.uk



“

AT RM EDUCATION, WE'RE ALWAYS SEEKING SKILLED RECRUITS WITH A PASSION FOR TECHNOLOGY TO CONTINUE OUR 40-YEAR RECORD OF LEADING ICT INNOVATION. THE UTC HELPS TO MEET THIS CHALLENGE BY PROVIDING SCHOOL LEAVERS WITH THE SKILLS AND CONFIDENCE TO JOIN OUR NEXT GENERATION OF INNOVATORS.”

Billy McNeil,
Implementation and Customer Support
Director, RM Education

JOIN AT 14

If you are currently in Year 9 and live within our 15 mile catchment area you can apply for a place. There are no tests to join the UTC at 14.

UTCs are designed to be sub-regional provisions so we welcome students from a wide catchment area that includes Oxfordshire, Newbury and Reading.

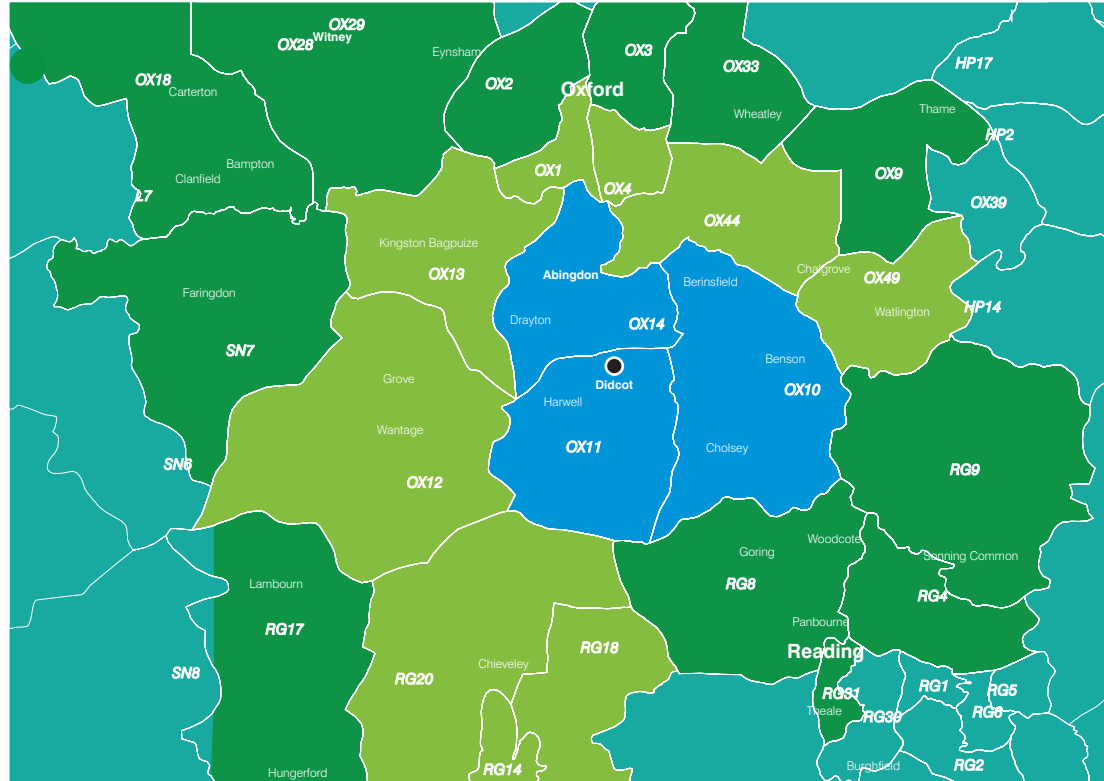
Grouped postcode areas have been defined as the method to ensure geographical spread. This means that applicants living close to UTC Oxfordshire do not have priority over other applicants within other parts of the catchment. A set percentage of places will be

allocated for young people living in each of the grouped postcode areas as shown on the map below.

10% of places may be available to students who live outside our catchment areas.

Eligible locations

- **Area one:** OX10, OX11 and OX14
- **Area two:** OX1, OX4, OX12, OX13, OX44, OX49, RG14, RG18 and RG20
- **Area three:** OX2, OX3, OX9, OX18, OX28, OX29, OX33, RG4, RG8, RG9, RG17, RG31 and SN7



Our admissions policy is available on our website.

How to apply

There is now a coordinated admissions process in England with exchange of information between Local Authorities (LA). This means that you must apply for a place in Year 10 through your own LA. Visit our website to find out which LA you need to apply with: www.utcoxfordshire.org.uk/catchment-area

After applying through your local LA, you must ALSO confirm your application directly with UTC Oxfordshire at www.utcoxfordshire.org.uk/how-to-apply

Are you ready to move from school to UTC Oxfordshire?

We believe there are many good reasons to choose UTC Oxfordshire at 14. We also understand that the decision to change school at 14 is a big one.

In Year 9, as you lead up to your transition to UTC Oxfordshire, we will work with you, your family and your existing school to make sure that you are making the right decision. In making the move from your school to UTC Oxfordshire, it is important that:

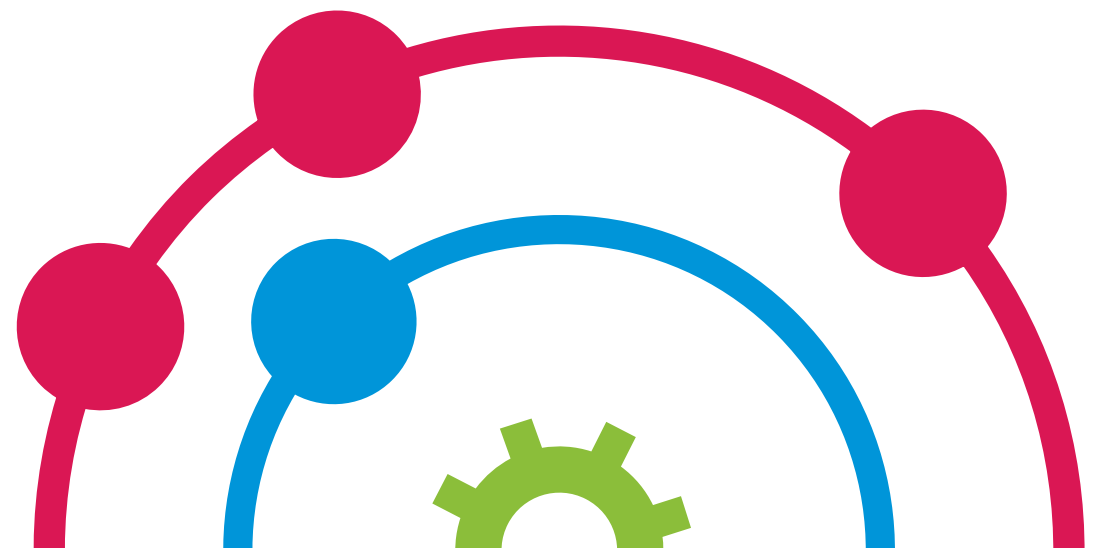
- » you are not deciding on your own, but that you have the support of your parents or carers
- » you come to taster events that we put on to get a feel for the UTC and what it will be like studying here
- » you come and talk to us
- » you take advantage of the support, guidance and welfare on offer

Once you have made a decision to come, we will continue to work with your existing school so that you can take advantage of visits to the UTC towards the end of Year 9.

What matters to us is that you have made the right decision.

Application checklist

- ☐ Year 10 application made via your Local Authority
- ☐ Confirmed Year 10 application via the UTC Oxfordshire website



JOIN AT 16

If you are currently in Year 11, you can join the UTC after your GCSEs. There is no catchment area for the Sixth Form.

How to apply

You can apply for your place at UTC Oxfordshire on our website
www.utcoxfordshire.org.uk/sixth-form-application-form

On receipt of your application form, we will invite you for a meeting to discuss your application. Your offer of a place is likely to be conditional on achieving certain GCSE grades.

To gain entry to Sixth Form, you must achieve five GCSEs at A*-C including English and mathematics. If that is not the case, you will be able to join a one-year programme at Level 2 that will prepare you for Level 3 the following year.

Josh Green - UTC Oxfordshire alumnus and current chemical engineering student at University of Manchester

"I joined the UTC when it first opened. I chose to come here to study A-levels because it's more specialised. I wasn't interested in anything else; I knew that engineering was the route I wanted to go down. I knew the resources here would be more tailored to what I wanted to learn and the equipment would be better.

I'm very happy I came here. The school is good at teaching social skills as well as the knowledge needed for engineering. They teach you skills like interview techniques and how to present to a group, while helping you with the written side of things as well. I think a personal statement or CV will look better coming from this school as we know what employers are looking for because we have constant interaction with them throughout our time at the UTC. I like that some of the teachers have had previous industrial experience as they can bring outside knowledge to your studies. It also helps to contextualise what you're learning."



CASE STUDY



FIND US

UTC Oxfordshire is based on Greenwood Way at Great Western Park, Harwell, on the western edge of Didcot.

Travel by public transport

If you're travelling by train, the nearest station is Didcot Parkway. There are frequent trains from Reading and Oxford, with calling points at Cholsey, Goring and Streatley and Pangbourne (between Didcot and Reading) and Appleford, Culham and Radley (between Didcot and Oxford).

UTC Oxfordshire is just over a mile walk from Didcot Parkway. Alternatively, there is a regular bus service which stops directly outside the UTC. The Connector runs every 15 minutes between Didcot Parkway and Harwell.

There are a number of bus services that operate across Didcot from the surrounding areas including Harwell, Chilton, Blewbury, Drayton, Abingdon, Drayton, Wantage and Wallingford.

As Great Western Park grows it is anticipated that transport links will improve and develop as the demand increases.

Green transport

We actively encourage students to use environmentally friendly modes of transport such as car sharing and the use of cycles. If you choose to cycle, there are plenty of cycle racks available.

Travel by car

UTC Oxfordshire is a short drive from the A34 heading north towards Oxford or south towards the M4, junction 13.

Approaching from the east (Nettlebed, Wallingford and Watlington), join the A4130 towards Didcot. When you reach Broadway, follow signs to the B4493.

From the west (Faringdon, Lambourn and Wantage), join the A417 towards Harwell/Didcot before joining the B4493.



FIND OUT MORE

Taster events

Together with our industry partners we run a number of taster events and information sessions throughout the year. Please come along to find out more and ask any questions you have.

You can find out when our next event is on our website:

www.utcoxfordshire.org.uk/events

Get in touch

Email: enquiries@utcoxfordshire.org.uk

Keep up to date

www.utcoxfordshire.org.uk



@UTCoxfordshire



/UTCoxfordshire



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