

Liverpool Life Sciences UTC

Inspirational Education for 14-19 year olds



DRIVEN BY PASSION



THE LIVERPOOL LIFE SCIENCES UTC IS OPEN TO ANY STUDENT (AGED 14 - 19) LIVING IN THE FOLLOWING BOROUGHES:

Liverpool, Halton, Wirral, St Helens, Knowsley and Sefton

Entrance at Year 10 and Year 12

- Free minibus shuttle service from main train stations
- Travel bursaries available for students commuting long distances
- Free breakfast club for all students

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The UTC is conspicuously successful in turning around the lives of young people

Ofsted inspection, January 2016

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Senior
Management
Team

WELCOME FROM THE PRINCIPAL



The first school in the UK to deliver a specialised education for 14-19 year olds in science and healthcare.

Welcome to Liverpool Life Sciences UTC.

For any student aspiring to a career in science or healthcare, we offer unrivalled opportunities for an exciting, stimulating education based in Liverpool's buzzing new Baltic Triangle, near Liverpool One.

Whether the ultimate goal is doctor or vet, lab technician or nursery nurse, we offer the very best training for future careers in these specialised fields.

When we were formed in 2013, we were proud to be the first school in the UK to deliver a specialised education for 14-19 year olds in science and healthcare. Here students have the best of both worlds - a broad curriculum of GCSE, BTEC and A level subjects, taught by expert teachers AND unrivalled opportunities for work experience with some of the UK's leading science and healthcare companies, hospitals and universities.

Visitors say our college feels more like a workplace than a school and that's because we expect the highest standards of behaviour, maturity and commitment from our students. It's a happy, caring and supportive place.

If you're interested in science and healthcare as your future career, we think you'll love it!

Come and see us and find out what exciting opportunities are available.

Ian Parry, Principal

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Strong leadership by the principal, governors and business partners drives a clear vision across the UTC. This ensures learners flourish with high quality experiences in science and healthcare.

Ofsted inspection, January 2016

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WHAT IS A UTC?

University technical colleges (UTCs) are government-funded schools that offer 14 -19 year olds a great deal more than traditional schools. They teach students technical and scientific subjects in a whole new way and are educating the healthcare professionals, engineers, scientists and technicians of tomorrow.

The UK needs advanced technical skills at all levels if we are to prosper in the 21st century. We need a workforce that can develop new products, stretch and re-use existing resources, and meet all the challenges of the future.

UTCs integrate technical, practical and academic learning and create an environment where students can thrive and develop the abilities that industry needs.

How does this work at Liverpool Life Sciences UTC?

- By working with local universities and employers, our students benefit from the latest research, equipment and specialist facilities.
- Class sizes and pupil numbers are smaller than at traditional secondary schools. Our school accepts up to 800 students.
- We operate a longer school day, 9am - 4.00pm, to more closely align with the normal business working day.
- There is no staff room - students and staff all share a joint common room.
- Sixth formers wear business dress. Year 10 and 11 wear a smart uniform with a black blazer.

Educating the healthcare professionals, scientists, engineers and technicians of tomorrow

WHY STUDY AT LIVERPOOL LIFE SCIENCES UTC?

If your heart is set on a career in science or healthcare, we can offer you an exciting learning experience to help you achieve your dreams.

If you've not quite made up your mind but just have a general interest in science or healthcare, we can help you explore different options and find the right route for you.

What if I change my mind?

No problem! The most important thing is YOU and what YOU want. If you come to us at Year 10 and by the Sixth Form have decided you would rather study drama or become a lawyer, we will help you every step of the way to achieve your aspirations.



We can offer you an exciting learning experience to help you achieve your dreams.

ENTRY LEVELS

Can I move school at 14?

Yes, you can! At the beginning of Year 9, all students are invited to consider what they want to do as a career and choose GCSE options. At this stage, if you decide you are interested in science or healthcare, you can apply to change schools and join the more specialised learning environment offered by Liverpool Life Sciences UTC.

Sixth Form Entry

Many students join Liverpool Life Sciences UTC at Year 12 and spend their sixth form years with us. We have an excellent track record of getting students into university or placing people into apprenticeships or jobs.

ETHOS AND CARE

Liverpool Life Sciences UTC is a happy, caring place to study. All students are encouraged to be independent, confident learners, supported every step of the way by our expert, specialist staff.

Social Welfare

Our dedicated Director of Inclusion ensures students receive all the support they need to participate in the learning process. They help students remove any barriers and encourage everyone to flourish as confident learners.

Our Pastoral Team and Academic Mentors play a central role in students' personal and academic development.

There is a particular focus on helping new students to make friends and gain the necessary social skills and self-confidence to settle in quickly.

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The UTC's work to promote pupils' personal development and welfare is outstanding. The UTC is relentless in ensuring that pupils are safe within and beyond the building.

Ofsted inspection, January 2016

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Our Pastoral Team and Academic Mentors play a central role in students' personal and academic development.

FANTASTIC FACILITIES

Our school is based in an amazing Grade 2 listed former warehouse, in the heart of the new Knowledge Quarter, near to Liverpool's South Docks.

The building has been sensitively restored and includes

- State-of-the-art science labs
- A 120 seat lecture theatre/cinema
- Dedicated healthcare suite, with real hospital beds, complete with 'Sim Man', a fully functioning dummy patient
- Fitness suite and gym, including the latest sports equipment
- Flexible teaching areas and core science facilities
- Flexible dining areas where students can socialise and enjoy food and drink at break times.



Amazing Grade 2 listed former dock warehouse, in the heart of the new Knowledge Quarter

OUR PARTNER ORGANISATIONS



A key advantage of attending Liverpool Life Sciences UTC is our excellent links with local companies, universities and hospitals.

- You could get involved in real-life, ground-breaking research projects
- Enjoy work placements and visits to external organisations
- Hear world-class speakers and masterclasses
- Develop niche skills required by local science companies to make you more employable
- Our sponsor University of Liverpool offers UTC students £3,000 bursaries to support university studies.

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The UTC's rich and diverse partnerships mean that learners participate in a range of stimulating projects and work experience which shapes their skills to a high level. As a result, learners are exceedingly well qualified for their next steps.

Ofsted inspection, January 2016

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OUR PROMISE TO SECURE YOUR FUTURE

On successful completion of your courses, we guarantee you one of the following...

A University Place

Our specialist training currently prepares students for university courses in: life sciences, chemistry, physics, engineering, pharmacology, medicine, nursing, physiotherapy, veterinary science, plus many more.... We work closely with university admissions teams to give you the best advice about course choices and requirements.

A Job

Many of our partners are looking for skilled entry level staff including laboratory technicians, manufacturing and process technicians, health care assistants and administrators. We work directly with HR teams to smooth the pathway into real jobs with reputable employers.

An Apprenticeship

Working closely with the National Apprenticeship Services, we promote a range of higher level apprenticeships including: NHS roles, QC analytical lab technicians, formulations chemists, production technologists.

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The motto 'every day is an interview' is the backbone of UTC life. Consequently pupils are highly motivated and well supported with real world experience through well planned work placements. All pupils follow personalised pathways through 'build my future' programme which ensures future destinations are highly successful.

Ofsted inspection, January 2016

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KEY STAGE FOUR CURRICULUM

Choosing a specialist school, like a UTC, does not limit Key Stage Four choices. All students have access to a **FULL RANGE** of GCSE **OPTIONS**.

At Liverpool Life Sciences UTC, we offer information and guidance on all the GCSE options available. We work closely with all students and their parents to ensure everyone understands the opportunities and challenges each subject brings.

We then create a personalised programme for each Key Stage Four student offering a broad, balanced curriculum to suit each student's individual talents, needs and aspirations.

In addition, extra opportunities and projects within science and healthcare are timetabled along with more formal GCSE studies.

We then create a personalised programme for each Key Stage Four student.



GCSE SUBJECT OPTIONS FOR YEARS 10 AND 11

CORE SUBJECTS

The core subjects are compulsory for all students. Core examination subjects are:

- English Language
- English Literature
- Mathematics
- Science – usually individual GCSEs in Biology, Chemistry and Physics.

Core curriculum also includes some non-examination subjects:

- Physical Education
- Personal, Social Health, Citizenship Education
- Religious Education

OPTIONAL SUBJECTS

Students can select from the range of optional subjects below:

- Business Studies
- Geography
- Health and Social Care
- History
- Psychology
- Computer Science
- Spanish
- Sport

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Leaders, partners and governors have invested heavily to ensure pupils experience industry and university quality techniques and equipment, engaging and inspiring learners and invigorating teaching.

Ofsted inspection, January 2016

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All post-16 courses include work-related activities and opportunities for work placements.

SIXTH FORM CURRICULUM

Making the right study choices at Year 12 are vital for progressing along your chosen career pathway. At Liverpool Life Sciences UTC, we work closely with you and your parents to ensure you opt for the best combination of subjects to help you achieve your dreams. And if you're unsure about your future goals, we can advise you on how best to keep your options open.

We offer seven different exploration pathways in the Sixth Form:

- Medicine and Dentistry
- Health Sciences
- Care
- Life Sciences
- Physical Sciences
- Animal Sciences
- Leadership and Management



Making the right study choices at Year 12 are vital for progressing along your chosen career pathway.

Project-based learning

Our project programme underpins the work-based ethos of the UTC. Students participate in practical workshops, experiment, research, seminars and enrichment opportunities connected to an area of study. This significantly improves students' confidence, motivation, self-respect, academic achievement and skills development.

Placements

All post-16 courses include work-related activities and opportunities for work placements.

Masterclasses

Our students regularly benefit from inspirational masterclasses delivered by our industry partners, hospital consultants and university academics.



SIXTH FORM PATHWAY EXPLORING MEDICINE AND DENTISTRY

Medicine and dentistry are two of the most academically challenging degree courses to gain a place on. Likewise this pathway is a challenging, intensive preparation for applying for these courses. You will work on a range of projects that teach the basics of biomedical and life sciences, and participate in work placements, including the Royal Liverpool Hospital, to support your UCAS application.

ENTRY REQUIREMENTS

At least 5 As at GCSE, including Science and Maths.
You will need at least a B in GCSE English.

SUGGESTED SUBJECT OPTIONS

A levels in Chemistry, Biology, Physics, Maths, Psychology, History, Geography, English Language.

POSSIBLE UNIVERSITY COURSES

Medicine, Dentistry, Biomedical Sciences

POSSIBLE APPRENTICESHIPS

Medical Laboratory Assistant, Operating Health Professional, Haematology Technician, Dental Nurse.

POSSIBLE FUTURE CAREERS

Doctor, Dentist, Pharmacologist.

Medicine and dentistry are two of the most academically challenging degree courses to gain a place on.



SIXTH FORM PATHWAY EXPLORING HEALTH SCIENCES

By studying on the Exploring Health Sciences pathway, you will gain a broad scientific understanding of the human mind and body, and the causes of some diseases - ideal for anyone considering nursing or midwifery. You will examine a range of health topics including anatomy, cell biology, microbiology, psychology, acute and chronic conditions, genetic and nutritional disorders, mental health and infectious diseases. Your studies will be backed up with a work placement at the Royal Liverpool Hospital.

ENTRY REQUIREMENTS

At least a B in GCSE Science, plus four other GCSEs at C, including English and Maths.

SUGGESTED SUBJECT OPTIONS

A levels in Biology, Physics, Maths, Psychology, Sociology, English Language. BTEC Health & Social Care.

POSSIBLE UNIVERSITY COURSES

Nursing, Healthcare Science, Radiography, Midwifery, Occupational Therapy, Ophthalmology, Physiotherapy, Psychology.

POSSIBLE APPRENTICESHIPS

Radiotherapy Assistants, Dietetic Assistants, Physiotherapy Assistants, Clinical Support Workers, Dental Nursing.

POSSIBLE FUTURE CAREERS

Nurse, Midwife, Occupational Therapist, Physiotherapist, Radiographer.

Your studies will be backed up with a work placement at the Royal Liverpool Hospital.



SIXTH FORM PATHWAY EXPLORING CARE

This pathway provides the perfect springboard to enter a caring, social work or community work-based profession. It's a highly practical pathway which involves a range of work-related projects and placements that will ensure you are well prepared to either get a job immediately or access a higher education course such as nursing, care, social work and associated professions. This pathway enables you to explore the principles of the care sector from a scientific, sociological and psychological perspective.

ENTRY REQUIREMENTS

GCSE English and Maths. (These can be re-taken in Year 12)

SUGGESTED SUBJECT OPTIONS

BTEC Health & Social Care. A levels in Sociology, Psychology, English Language.

POSSIBLE UNIVERSITY COURSES

Health & Social Care, Social Work, Early Years.

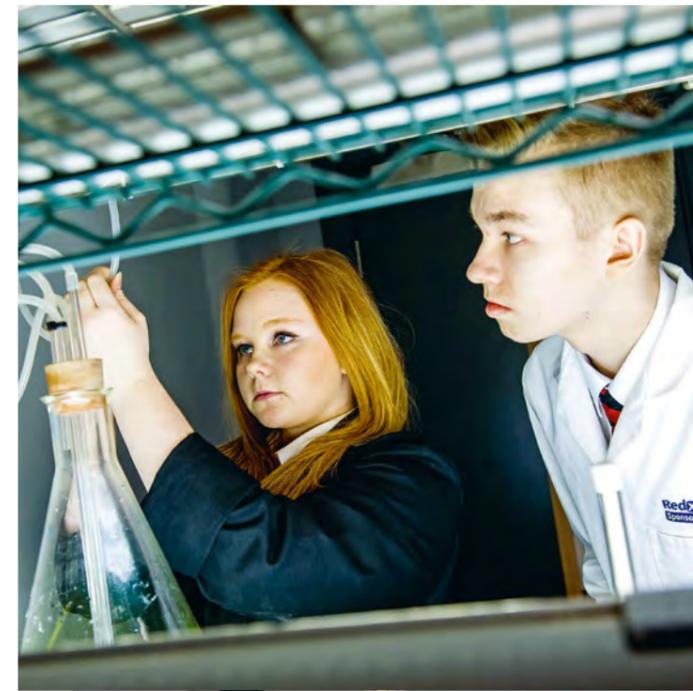
POSSIBLE APPRENTICESHIPS

Healthcare Assistants, Early Years Assistants, Residential Care Assistants, Playwork Coordinators.

POSSIBLE FUTURE CAREERS

Healthcare Assistant, Social Care Assistant, Emergency Care Assistant, Nursery Nurse, Care Assistant - Elderly/Disabled Adults, Health Promotion Specialist.

This pathway enables you to explore the principles of the care sector from a scientific, sociological and psychological perspective.



SIXTH FORM PATHWAY EXPLORING LIFE SCIENCES

The Life Science pathway provides you with knowledge and expertise in technical laboratory work. You will gain numerical, analytical and communication skills required by many key employers, including the NHS, pharmaceutical, chemical and agrochemical industries and Government agencies such as the Department of Health. Work placements with our partner organisations are a key element of the learning experience.

ENTRY REQUIREMENTS

For A level routes, at least 5 Bs at GCSE, including Science. For BTEC route, at least 3 Cs at GCSE, including Science.

SUGGESTED SUBJECT OPTIONS

A levels in Biology, Chemistry, Physics, Maths, Further Maths, Psychology, Geography. BTEC Applied Science.

POSSIBLE UNIVERSITY COURSES

Life Sciences, Biochemistry, Biotechnology, Microbiology, Biomedical Sciences, Pharmacy.

POSSIBLE APPRENTICESHIPS

Laboratory Technician, Sterile Services Technician, NHS Pharmacy Health Informatics.

POSSIBLE FUTURE CAREERS

Biotechnologist, Geneticist, Microbiology, Pharmacology.

You will gain numerical, analytical and communication skills required by many key employers.



SIXTH FORM PATHWAY EXPLORING PHYSICAL SCIENCES

A focus on understanding the world around us guides exploration on the Physical Sciences pathway. It combines perspectives from Physical, Chemical, Environmental, Mathematical and Geological Sciences and is ideal for students who enjoy lab work, research, complex equations and methodical analysis. If you're looking at A levels in Chemistry, Physics and Maths with a view to a career in engineering then this option could be for you.

ENTRY REQUIREMENTS

For A level routes, at least 5 Bs at GCSE, including Science. For BTEC routes, at least 3 Cs at GCSE, including Science.

SUGGESTED SUBJECT OPTIONS

A levels in Chemistry, Physics, Biology, Maths, Further Maths, Geography. BTEC Applied Science.

POSSIBLE UNIVERSITY COURSES

Chemistry, Physics, Engineering, Earth and Marine Sciences, Astronomy, Mathematics, Metallurgy.

POSSIBLE APPRENTICESHIPS

Chemistry Technician, Engineering, Process Manufacturing.

POSSIBLE FUTURE CAREERS

Analytical Chemist, Formulations Chemist, Research & Development, Engineer.

If you're looking at A levels in Chemistry, Physics and Maths with a view to a career in engineering then this option could be for you.



SIXTH FORM PATHWAY EXPLORING ANIMAL SCIENCES

If you want to work with animals, this is the pathway for you. During your studies you will have the opportunity to undertake a number of exciting work placements, possibly including Knowsley Safari Park, and other optional projects designed to help you achieve your goals.

ENTRY REQUIREMENTS

For A level routes, at least 5 Bs at GCSE, including Science. For BTEC routes, at least 3 Cs at GCSE, including Science. To study Veterinary at university, you will need 8As at GCSE.

SUGGESTED SUBJECT OPTIONS

A levels in Biology, Chemistry, Physics, Maths, Further Maths, Geography. BTEC Applied Science.

POSSIBLE UNIVERSITY COURSES

Veterinary Science, Animal Sciences, Animal Behaviour and Welfare, Bioveterinary Sciences, Animal Management, Zoology, Marine Biology.

POSSIBLE APPRENTICESHIPS

Animal Nursing, Environmental Conservation, Equine management, Animal Technology.

POSSIBLE FUTURE CAREERS

Vet, Marine and freshwater Biologists, Wildlife Rehabilitator, Conservationist, Zoo Curators.

During your studies you will have the opportunity to undertake a number of exciting work placements, possibly including Knowsley Safari Park.



SIXTH FORM PATHWAY EXPLORING LEADERSHIP AND MANAGEMENT

Specialising in subjects such as Business and Economics allows students to access professions like law and accountancy. This pathway helps students understand organisations, their structures and cultures. Through projects, masterclasses and placements, you will learn how to analyse and evaluate leadership behaviour and management decision-making in the work place and hone your own management skills.

ENTRY REQUIREMENTS

At least 5 GCSEs at C, including English and Maths.
(These can be re-taken at Year 12).

SUGGESTED SUBJECT OPTIONS

BTEC Level 3 Business, Enterprise & Entrepreneurship.
A levels in Maths, English Language and Literature, History, Geography, Spanish, Psychology, Further Maths.

POSSIBLE UNIVERSITY COURSES

Business, Marketing, Law, Social Policy, Public Health.

POSSIBLE APPRENTICESHIPS

Accounting, Medical Secretary, Advertising and Communications, Legal Administration, Public Health.

POSSIBLE FUTURE CAREERS

Intellectual Property Lawyer, Patent Attorney, Regulatory Affairs, General Practice Manager, Health Records Clerk.

Specialising in subjects such as Business and Economics allows students to access professions like law and accountancy.

ENRICHMENT

In addition to class and lab work, we offer a wide range of exciting and interesting extra-curricular activities to enrich your spare time, extend your skills - and help with creating an impressive personal statement on UCAS university entrance applications.

- Aquaponics
- Flamenco dancing
- 3D Printing
- Junior Doctor Scenarios
- Watersports
- Sign Language
- Debating Team
- Music Production
- Fitness
- Duke of Edinburgh Award Scheme
- Primary Schools Science Club
- Programme of visits, trips and residentials.





CAREERS SUPPORT

We offer students access to up-to-date, impartial careers advice and guidance through our award-winning 'Build My Future' programme. We have superb contacts with university admissions teams, HR directors and industry organisations to ensure we are giving students the best possible advice. The UTC's academic mentors and professional guidance leaders allow us to mentor, monitor and motivate students to be the best they can be.



Impartial careers advice and guidance through our award-winning 'Build My Future' programme.



HOW TO APPLY

- Complete your application online at www.lifesciencesutc.co.uk/apply
- Reply to confirmation email with any further details, as requested
- Book an interview with a UTC member of staff
- Receive an offer letter from UTC
- Invitation to a range of taster sessions
- During the summer break you will be asked to enrol and verify your GCSE results
- September - start your studies. Welcome!

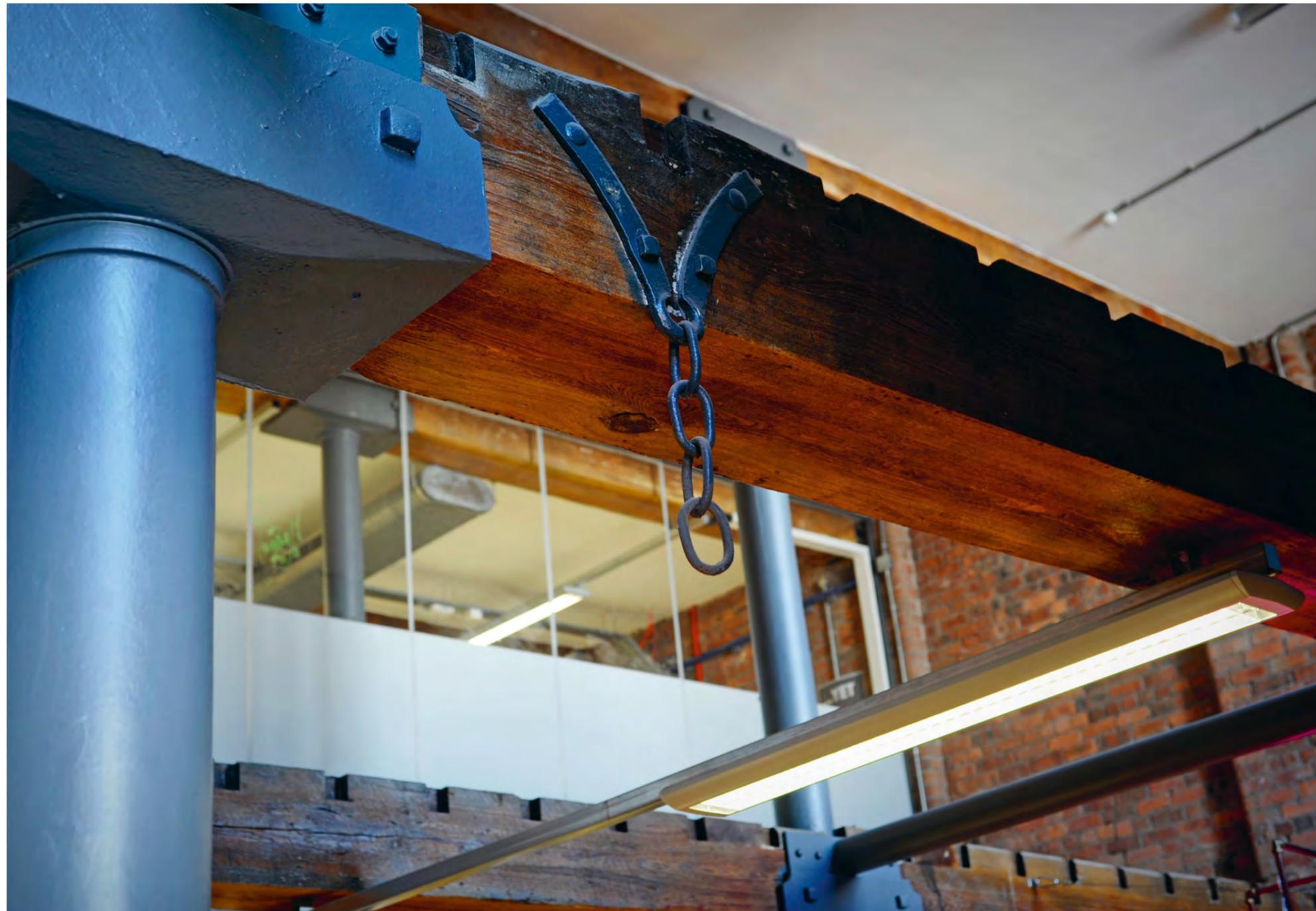
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The UTC provides an exciting, forward thinking curriculum for science and healthcare. Strong connections with employers and industry experts provide sophisticated and well-balanced learning experiences. These provide pupils with a spring board onto worthwhile destinations.

Ofsted inspection, January 2016

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UTCs integrate technical, practical and academic learning and create an environment where students can thrive.





DRIVEN BY PASSION

Liverpool Life Sciences UTC

Inspirational Education for 14-19 year olds

Liverpool Life Sciences UTC
(University Technical College)

Contemporary Urban Centre
Greenland Street, Liverpool, L1 0BS
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@Lifesciencesutc

Liverpool Life Sciences UTC is a member
of the Northern Schools Trust

www.lifesciencesutc.co.uk