



Careers NEWSLETTER

Welcome to our North East Futures UTC Careers Newsletter!

I hope you are well and looking forward to returning to a more normal life over the coming months.

This newsletter will update you on the career activities that have taken place so far this year despite the lockdown and will also give you information and resources to help you support you with your career exploration.

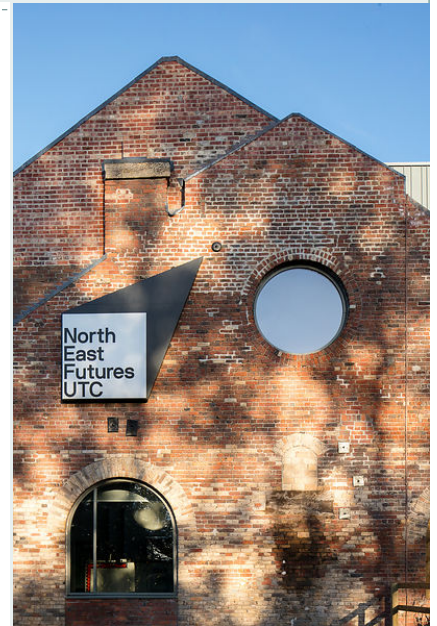
In addition we have included information on the new T Levels that are now available as an alternative to A Levels as well as our regular features.

I would be very keen to hear your thoughts about our careers programme and any ideas or suggestions you may have about how it could be developed. To that end, there is a link to a survey on page 2 which I would be most grateful if you would complete.

Finally I want to wish you all a wonderful Summer holiday. Make sure you get some well deserved rest so you are ready to give it your best in September.

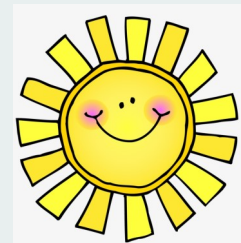
Take care and enjoy!

Sarah Hughes
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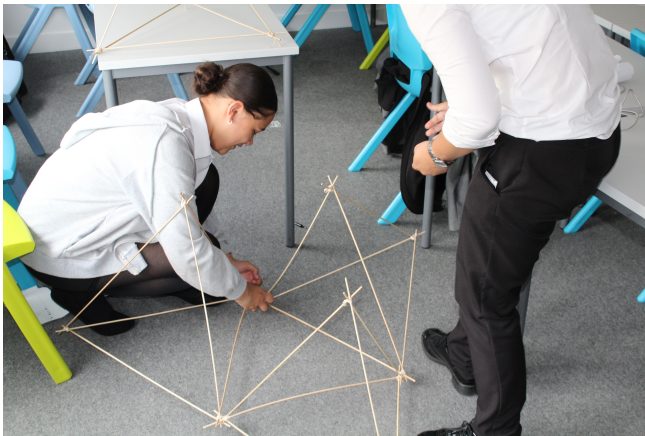
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CAREERS PROGRAMME - NEWS

With lockdown impacting most of the spring term, many of our career activities were held online. Students took advantage of the virtual activities that were offered by the UTC, companies and organisations including projects, virtual work experience, career insight talks and webinars.

The highlight of this term was our Work Experience week where we had a mixture of online and in person events led by employers. Year 10 and Year 12 students were able to choose from 7 different experiences with employers. Accenture, NHS, Sage, RAF, Infinity27, NUFC Foundation and Igloo all got involved to offer our students a fantastic week of workshops, talks and practical challenges to get some hands on experience of the world of work. The feedback from students so far has been overwhelmingly positive so we hope to develop these experiences into projects in the future. I hope that students enjoyed these and they helped to inspire them or at least opened their eyes to the career opportunities they can aspire to. [Click here for all the photos.](#)



Our virtual Career Talk Series has continued throughout the Summer Term with inspirational and insightful talks on lots of different careers. This term we have had talks on Optometry, Cytogenetics & Neurophysiology, Engineering, Nursing, Physiotherapy, and even more throughout our work experience week. The career talk series is designed to give our students an insight into careers they may not have thought about and help them to understand what skills are needed and how to get there. We want to provide as much insight into careers as possible so students can make informed decisions about their next steps.

"I have no special talents. I am only passionately curious." (Albert Einstein)

CAREERS GUIDANCE

One to one careers guidance has continued since we returned back on site in March. Over 80 students have received careers guidance since September with extra sessions offered to students who needed further support to secure a positive destination. These one to one sessions with an experienced careers advisor helps them develop research skills, think about their next steps and make informed decisions.

All students in Years 11 and 13 receive careers guidance but it is also available to students in all year groups on request, either via email to Sarah Hughes or by asking their tutor to contact me.

FEEDBACK SURVEY

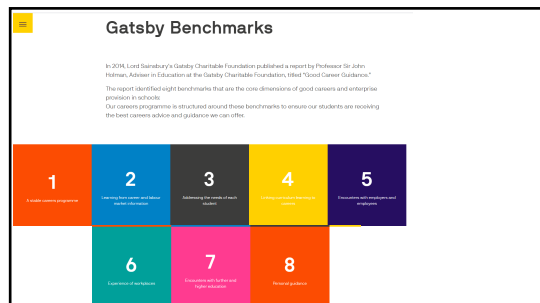
Preparation for employment is an integral part of the North East Futures UTC Careers Programme. We aim to prepare our students to go on to higher education or skilled employment and to make a significant contribution to society. While qualifications remain of paramount importance we recognise that work readiness is vital to employability. We do everything we can to ensure students develop these skills and regularly review our careers programme in order to improve. We would be grateful if you could take a few minutes to let us know what you think of the current provision.

[Click here for the parents/carers survey](#)

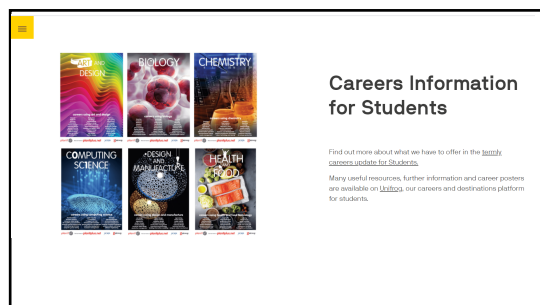
[Click here for the student survey](#)

The careers pages on the main UTC website are continually updated to ensure that information and resources are accurate and up to date. It is recommended that you browse these from time to time to ensure you are familiar with the contents and any new additions that might be of interest.

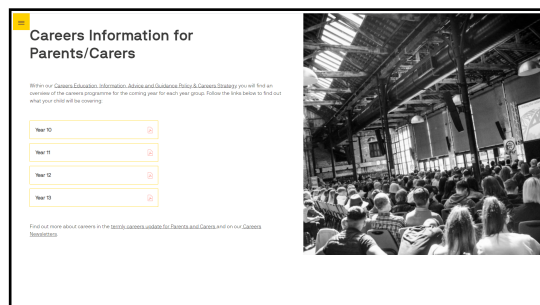
The careers pages can be found under the 'Careers Programme' menu bar item. There are sections for students and parents to find useful information and resources. A few of the pages are detailed below to illustrate the range of information provided.



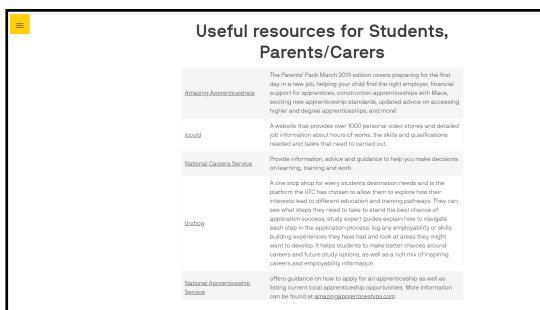
Information about the Gatsby Benchmarks.



Careers Information for Students section



Careers Information for Parents & Carers section



Useful links section

T LEVELS

T Levels are new courses which follow GCSEs, each one being equivalent to 3 A Levels. These two year courses have been developed in collaboration with employers and businesses so that the content meets the needs of industry and prepares students for work, further training or study. They are based on the same standards as apprenticeships and approved by the Institute for Apprenticeships and Technical Education.

T Levels offer students a mixture of classroom learning and 'on-the-job' experience during an industry placement of 45 days. A range of courses are planned to commence over the next two years and those currently on offer include:

- Design, Surveying and Planning for Construction
- Digital Production, Design and Development
- Education and Childcare

The UTC does not offer T Levels yet but they are available at some local colleges. For further information please click this link:

<https://www.tlevels.gov.uk/>

UCAS Points	T Level Grade	A Level Equivalent
168	Dist *	A* A* A*
144	Dist	AAA
120	Merit	BBB
96	Pass (C +)	CCC
72	Pass (D or E)	DDD

Starting Your Own Business



Starting your own business is a challenge, whatever age you are. However more and more young people are creating their own start-ups - so much so that the average age of people starting their own business is declining. Find out more about becoming a young entrepreneur here.

<https://www.youthemployment.org.uk/employment-help-young-people/choices/starting-your-own-business/>

Eight Careers Websites for Digital and Tech

Prospects

Prospects are the experts in graduate careers providing guidance to students and graduates with impartial information, advice and opportunities. [About the IT sector](#) – [Take the quiz](#)

UCAS

As well as being the Universities and Colleges Admissions Service, UCAS provides careers information on their website, including on the following sectors: [Computer Science](#) – [Software Engineering](#) – [Game Design](#)

CWJobs

In addition to providing services to tech job seekers, CWJobs offers some useful careers information and advice. [Careers advice](#)

TargetJobs

TargetJobs is a site dedicated to graduate jobs, which also provides careers advice including in reference to IT jobs. [Careers advice](#)

National Careers Service

National Career Service is the government's website for advice and guidance to help you make decisions on learning, training and work – including information on [computing, technology and digital](#).

TechFuture Careers

Visit this site for information on job roles and a fun simple quiz to find out what type of digital job might suit you. tpdegrees.com/careers

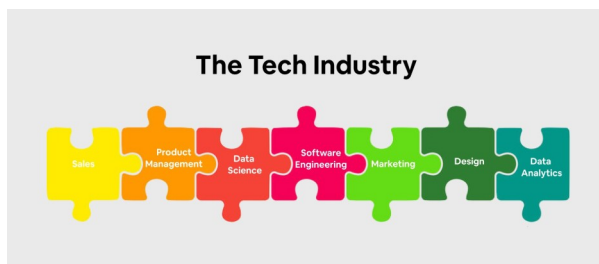
Diversity in Tech

Diversity in Tech is a site dedicated to help close the diversity gap in the technology sector. Here you will find helpful articles and guides to get started and succeed in the world of tech.

[About diversity](#) – [Guides](#)

Women in Tech

Women in Tech is a site dedicated to women already in or looking to join the tech sector, providing career advice, case studies, and information on jobs and employers. womenintech.co.uk



UNIFROG - CAREERS PROFILE MANAGEMENT PLATFORM

In September 2020 we launched our new careers management system called Unifrog. This system enables students to access lots of information about their future careers and helps them to build the employability skills they need to enter the work of work. We will have a key focus on Unifrog in the coming year and are asking students and parents to familiarise your self with the platform so you can utilise all of the tools you will need to make key decisions about your future.

Unifrog provide a one-stop-shop where students can explore their interests, then find and successfully apply for their best next-step after school.

Instructions for Use

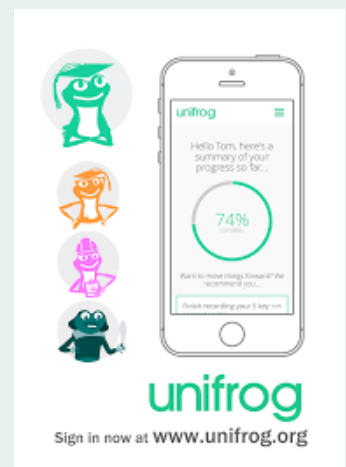
Students:

1. Go to <https://www.unifrog.org/sign-in>
2. Enter your UTC email as your user name and the password assigned to you via email
3. If you can't remember your password just click the 'reset password' link and you will be sent a link in your email
4. For a reminder of all the ways you can use Unifrog to help you take a look at the welcome video here.

Parents:

Parents also have access to the platform so you can support your child.

1. Go to www.unifrog.org/code to register
2. You will need the form code 'NEAFparents' to register



WHAT IS NET ZERO AND WHY MUST WE REACH IT BY 2050?

Net zero means achieving a balance between the amount of greenhouse gas emissions produced and the amount removed by the atmosphere. Reaching this target by 2050 will help limit worldwide temperature increases to 1.5c as agreed by governments in the 2015 Paris Agreement.



How will net zero be achieved by 2050?

Net zero will be reached by two different routes: reducing existing emissions and removing or offsetting the remainder. It will require significant investment in the green economy – in wind, solar, hydrogen, carbon capture, electric vehicles and more. The government has outlined plans for £12bn of investment to fund its vision for a new green industrial revolution.

What impact will this have on jobs for young people?

- Job creation in the green economy will happen all over the country, but particularly in regions such as the north of England, the Midlands, Scotland and Wales.
- The low-carbon and renewable energy sector already employs 225,000 people. It is estimated the number of people working in green jobs by 2030 will be 1-2 million.
- The Offshore Wind Industry Council has announced it will hire at least 3,000 new apprentices by the end of the decade.
- A retrofit army of almost half a million new builders, electricians and plumbers will be needed to make existing homes and business premises more sustainable.

A career with a greater purpose

A 2018 government survey found almost two thirds of young people are interested in pursuing a career in the green economy. In addition, a report last year from KPMG found attitudes towards oil and gas among younger generations are already posing challenges for recruitment in the fossil fuels sector.

Increased diversity

Renewables could support a drive for a more diverse workforce in the future energy sector. According to the International Renewable Energy Agency (IRENA), women currently hold about a third (32%) of the world's renewable energy jobs.

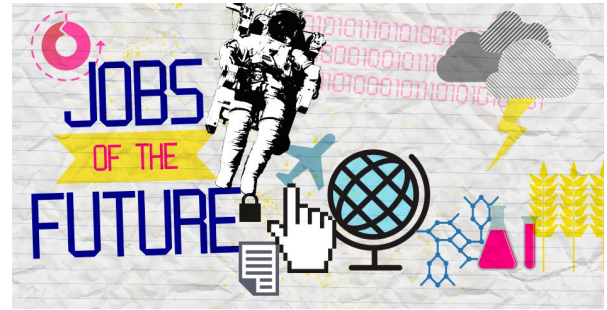
More information

<https://www.prospects.ac.uk/jobs-and-work-experience/job-sectors/energy-and-utilities/renewable-energy-careers>

JOBS OF THE FUTURE

By 2035 it is estimated that 40% of today's professions will have disappeared. Taking their place will be new and exciting jobs based on rapidly developing technology.

No one can predict all the jobs young people will be able to choose from in the second half of the 21st century but here are just a few of the more unusual jobs that are likely to be in demand.



AI TRAINER

Machines can think and learn for themselves with AI. Trainers will train the machines to improve the way they respond to problems in original and creative ways, just like, or even better than, the human mind.

E-SPORTS COACH

Competitive online gaming is getting more and more popular. With some big prizes to be won, players need to make sure they have that competitive edge. An e-sports coach can help with strategy, motivation and fair play.

ANTIBIOTIC ENGINEER

Bacteria are starting to build up a resistance to the antibiotics we use to fight them. Antibiotic Engineers are needed to create new antibiotics so that we can continue to fight illness and disease.

CLIMATE ENGINEER

Climate Engineers deliberately change the Earth's climate system. This may be done to reduce the negative effects of climate change or to improve crop yields and grow more food. Methods of climate engineering could include putting mirrors in space, cloud seeding or carbon capture.

DESERT GREENER

The amount of the world's land covered by desert is growing each year. Desert Greeners will plant trees and plants to make them more hospitable. They will also divert rivers through regions experiencing drought or regions needing to be greenified to sustain animal and plant life.

MEAT GROWER

A Meat Grower would create synthetic substances that taste exactly like meat but contain no meat at all. This would allow us to have meat in our diet without killing animals to produce it. It would also remove the need for mass farming which damages the environment.

Some areas of work may be growing fast but there will always be a need for people to replace those who leave. In addition, jobs such as those above and others that haven't yet been thought up will emerge. Make sure you develop a range of skills and keep learning new ones to help you to jump into new roles.

Take this fun quiz to discover more about your role in this exciting future.

<https://100jobsofthefuture.com/browse/>