



Lincoln UTC

A college for science
and engineering

Newsletter

April 2021



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Assistant Principal's Foreword

This term it has been pleasing to see how well our students have adapted to being back at the UTC. Our remote learning programme throughout lockdown was very successful, with high levels of attendance, behaviour, and engagement. Despite this, I believe I can speak for all staff when I say we are happy to be back in school. We continue to be proud of each and every one of our students for maintaining a mature and positive attitude towards learning throughout the challenges of the past year.

We look forward to returning to a normal timetable for all students after Easter. The majority of the assessment tasks that we will use to determine GCSE and A Level/BTEC grades will take place during weeks commencing 3rd May and 10th May for year 11 students, and 17th May and 24th May for year 13 students. We hope that all our students have a relaxing and well-earned break over the Easter fortnight, but please try to make time for revision as well. There is still time to make a difference and Google Classroom is full of resources to support this.

Looking ahead, the remainder of this academic year will be full of opportunities for our students. We are currently in the development stages of some exciting new projects that will be launched over the coming months. On Monday 17th May, our year 11 students who plan to return to the UTC in September will be 'promoted' to be sixth form students as part of a six-week bridging programme. We will also be arranging an induction for our external applicants in year 10 and year 12.

I look forward to seeing all students back at the UTC on Monday 19th April.

Daniel Chung

Assistant Principal

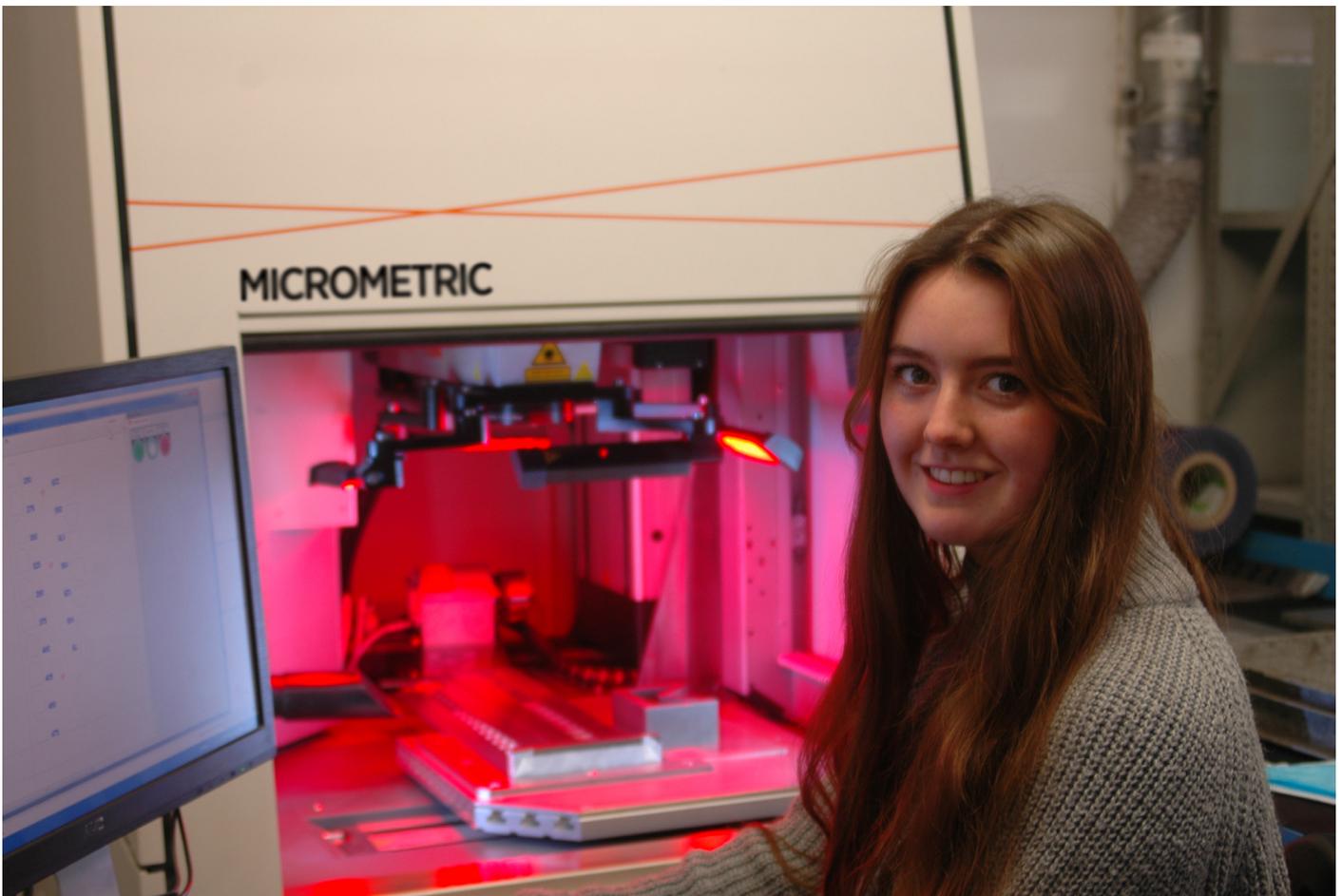
An Education in Industry

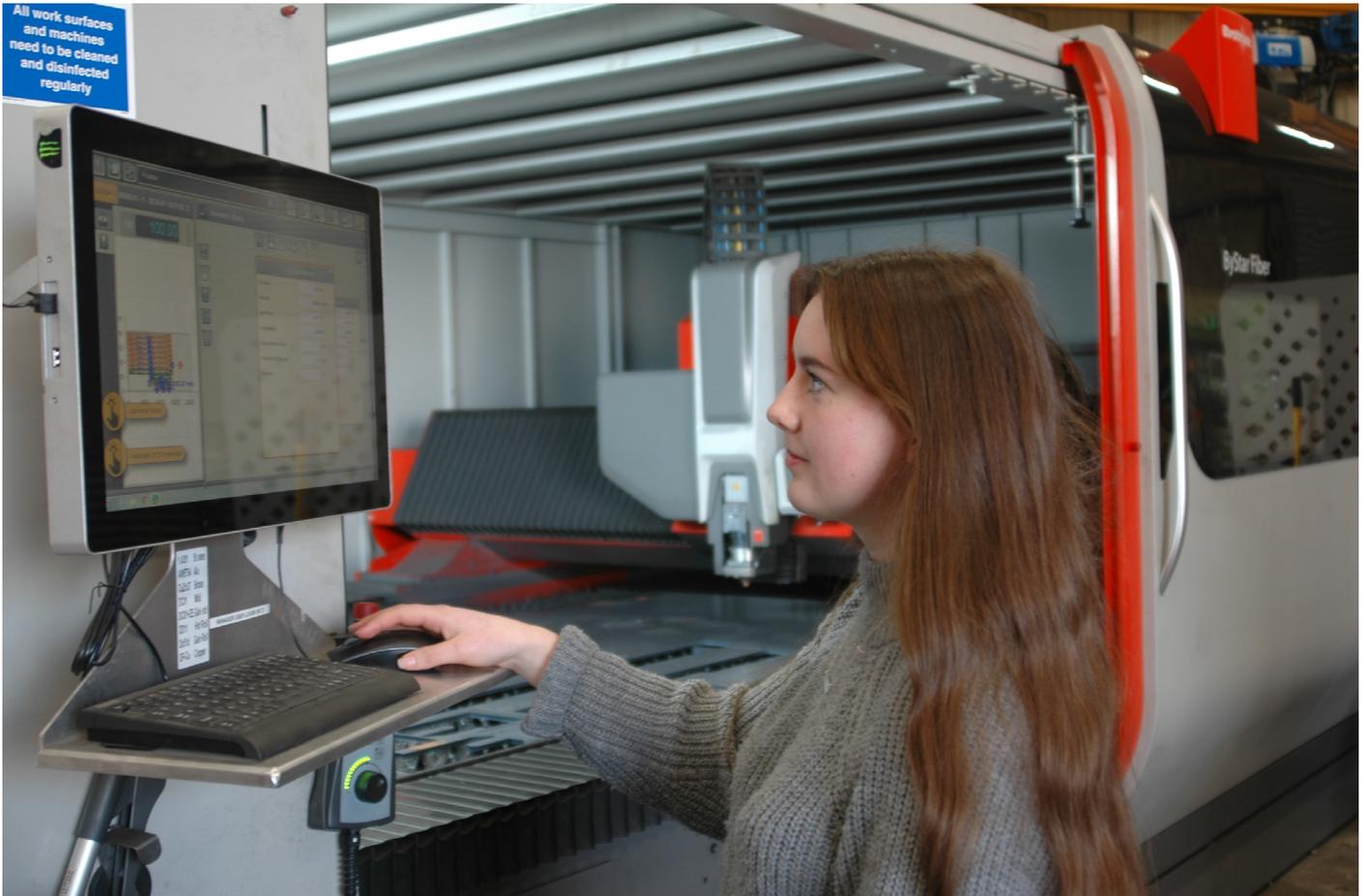
Year 13 UTC student Georgina Smith is currently working towards a BTEC Extended Diploma in Engineering whilst completing an industrial placement with local component manufacturer and laser processing specialist Micrometric.

Georgina said: “I started my placement at Micrometric last October and I’ve spent each day learning something new, from using advanced CAD software to operating cutting-edge machinery. Most recently, I have been working on my own project to design and manufacture an airtight welding chamber.

“I am really grateful to have been able to continue my placement throughout lockdown. I can now evidence the practical application and development of my engineering skills, and this experience will be invaluable as I come to the end of my studies at the UTC with hopes to secure an apprenticeship.”

Lincoln UTC has a significant number of employer partners involved in the delivery of the curriculum. By working in tandem with local businesses, students benefit from educational opportunities grounded within real industry experiences.





Neil Main, Managing Director at Micrometric and Governor of Lincoln UTC said: “By giving engineering students an opportunity to learn about the precision components and state-of-the-art equipment we use, they are able to increase their knowledge and abilities not just in engineering, but in design, innovation and even organisation.

“As a company we feel proud that we’re able to support the next generation of bright and enthusiastic engineers who have coped particularly well despite the challenging circumstances. It’s been a pleasure and they have helped to keep a sense of the working culture.”

This initiative is unique to Lincoln UTC and is one of the many reasons why UTC graduates are highly employable. There are still a few places left in year 10 and year 12 for September 2021. To find out more email admissions@lincolnutc.co.uk.



Ski Trip 2022

In February 2022, Lincoln UTC will be organising a weeklong skiing trip to the 2006 Olympic resort of Sestriere, in Italy. This resort offers the most 'snow sure' slopes in the Milky Way, a vast 400km network of interconnected, intermediate pistes. It is a great venue that is an established and renowned area for all ability ranges.

Trips outside the UK provide a rare opportunity for students, not only to enhance their skills in teamwork, communication and organization, but also to develop as individuals. These trips promote self-discipline and self-reliance, along with an opportunity to experience the sights, sounds and cultures of other nations and have a lot of fun.

The price of the package includes travel to the resort by air, which will take approximately 2 hours with a 1 hour 30min transfer (previous coach trips have taken more than 32 hours of travel), full board en-suite accommodation, ski equipment, 25hrs of instruction over 6 days, winter sports insurance and evening entertainment. The total cost for the trip will be £1220.

There are 40 spaces available for the trip, places will be allocated on a 'first come first served basis'. To secure a place on the trip, a non-refundable deposit* of £250 will have to be paid by 28th May to Mr. Fielding. Please see Mr Fielding for further details and a recommended payment schedule.



Good Luck Mr Little!

At the end of this term we will say goodbye to Mr Little who will be starting a new job at a school in Scotland as Deputy Headteacher. We would like to wish him the best of luck.

Mr Little said: “After seven years at Lincoln UTC a new opportunity has arisen that will involve moving to a new school to take up my first Deputy Headship.

“I am very proud to have been part of the Lincoln UTC’s journey, from its beginnings in 2014, to the flourishing success it is today. A sixth form that is one of the best in the county, a curriculum that provides opportunities for students to specialise in science and engineering and a sense of community that brings together both students and staff, local employers and the university.



“During my time with Lincoln UTC, highlights for me include - leading the team that played in the Lincolnshire indoor cricket league, travelling to see our partner schools in India and Italy, and successfully applying for funding to support opportunities abroad. As a result of that funding our students visited the British war memorials in France, participated in a sports festival in Germany and explored European history at Auschwitz in Poland.

“Lincoln UTC has been such a wonderful place to work and one that I will miss. However, it is the right time for me to move, and take my career in a different direction.

“Thank you to all of our staff and students, it has been a privilege to be part of the Lincoln UTC family.”

We would like to congratulate Mr Mead who will be taking over as our new Head of Key Stage 5.

Aaron Volunteers at the UTC

UTC alumni Aaron Wakeling has joined our engineering department to volunteer as a Teaching Assistant one day a week. Last September Aaron started a BEng Mechanical Engineering degree at the University of Lincoln, after achieving a D*DD grade in his BTEC Level 3 Extended Diploma in Engineering.

Aaron said: “I studied at the UTC for four years and I’m really pleased to be back again. I followed the same engineering courses that current UTC students are completing, therefore I am confident that I will be able to provide useful additional support in lessons.

“Engineering is a specialist subject and there is no better place than the UTC for me to gain the experience I need to pursue a teaching career in future.”

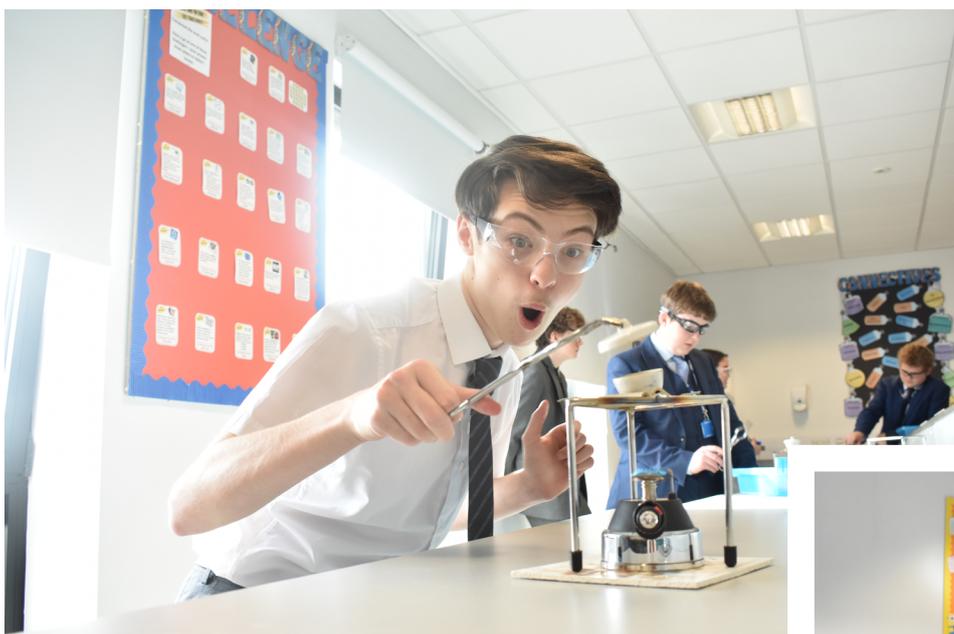
Head of Engineering, Miles Fielding, said: “It is great to have Aaron back with us as part of the staff team within the department and I’m really pleased that we have inspired him to consider a career in teaching.

“Aaron is a brilliant engineer and as UTC alumni he will be able to assist students with all aspects of the courses we offer.”



Science Practicals

We know that completing practical experiments in science enhances our students learning experience, and for this reason we have ensured that they have continued throughout the pandemic. Our science technician, Miss Caudle, has been busy seperating our equipment into 'bubbles' for each class and cleaning it thoroughly after every use so that practicals can go ahead safely.



UTC Alumni Story: Emily

We would like to congratulate UTC alumni Emily Hird for being accepted to study a PhD in ground modelling at the University of Strathclyde!

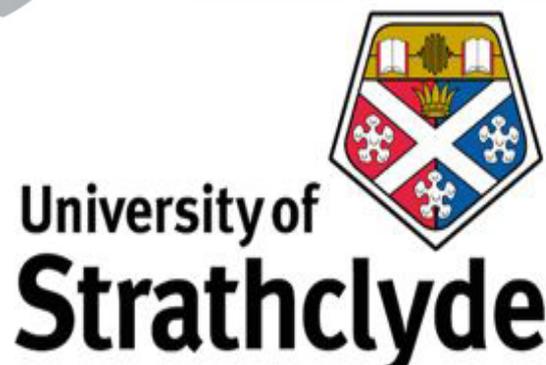
Emily studied at the UTC from 2016-18 and achieved AAA in Maths, Further Maths, and Computer Science A Levels. She is currently in her third year at Lancaster University, studying a BSc Hons degree in Maths & Statistics, and has managed to secure a PhD course without a master's degree by completing additional research projects.

Emily said: "I decided to study at the UTC because I wanted to follow a STEM based curriculum. Whilst there I developed a strong work ethic, gained confidence, and achieved much better grades than I expected - which led to me being accepted at a world leading university for statistics.



"I'm really looking forward to graduating later this year and starting my PhD in October. My research will assist in the planning and building of offshore wind farms.

"For UTC students looking to go into statistics I would say that studying an A Level in Computer Science as well as Maths/Further Maths is a huge advantage. Also go the extra mile to complete projects in your own time, for example, I emailed charities asking if they had data I could analyse/model and this really boosted my CV."



UTC Alumni Story: William

UTC graduate William is a Design Engineer for Steam Traction World. We recently caught up with him to see how he has been getting on...

“I have always had an interest in engineering, specifically mechanical. I grew up around vintage vehicles (mainly traction engines), and so started learning about mechanical systems from a very young age. I looked around several different choices for sixth form study, but Lincoln UTC had the best engineering facilities and so I chose to complete the BTEC Level 3 Extended Diploma in engineering, equivalent to 3 A Levels.

“Studying at the UTC introduced me to CAD (computer aided design) software, up until then I had only heard about CAD in passing and any drawing work had been done by hand. I quickly found I had a natural skill and aptitude for CAD, and thoroughly enjoyed doing it. When I went onto study at De Montford University after leaving the UTC I was often working so quickly that I spent a lot of time helping other students.

“Following graduation, I joined a company called Steam Traction World, and am now putting my CAD skills and love of old vehicles to good use designing steam traction engines in kit form. I started at STW as a junior designer, but I have since progressed and am now solely responsible for design within the company. I also work in customer support, helping to advise customers during the build of their traction engine.

“The best part of my job is having the privilege to share the moment that a customer completes their build. We invite them to bring their engine to our factory so that I can advise the best way to run it, and this is my favourite moment of the entire process.

“My advice to current students would be to follow your passion. When you love your job, it seems more like fun and less like work.”



UTC Alumni Story: George

George studied at Lincoln UTC from 2014-2016 and gained a distinction in his Level 3 BTEC Extended Diploma in Engineering, before securing an apprenticeship in marine engineering with the Royal Navy.

George said: “I joined Lincoln UTC because of its partnership with local employers and industry. The Royal Navy works with UTCs around the country as they appreciate the value of a technical education, and whilst in year 13 I secured the next step of my career in the form of an apprenticeship.

“I am now a Leading Engineering Technician onboard a Portsmouth based Minehunter warship. I oversee the maintenance, fault finding and defect rectification for the diesel generators, as well as being the outboard boat engine maintainer.

“The thing I enjoy most about my job is the opportunity for travel. In 2020 we deployed through the Mediterranean Sea right out to the Middle East stopping off at various countries along the way. I also have ongoing opportunities to develop my qualifications, and for this reason would definitely recommend working with the Royal Navy as it provides a strong foundation for mechanical and electrical engineering with good opportunities for career progression.”

