

Lincoln UTC

A college for science
and engineering

Newsletter

October 2023



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Principal's foreword

Standing out, Standing up, and Standing together

Lincoln UTC is, in lots of ways, different from other schools. We are proud of all the things that make us unique, and confident in doing things differently. It's what we want from our students.

The scientists and engineers who stand out from the crowd are those who think outside the box, innovate, and dare to be different. We also want our students to have the confidence to be themselves, secure in the knowledge that they're going to be accepted (quirks and all) within our school community.

We hope that they will stand up for their ideas and ideals and for the things they believe in. Seven weeks into the new academic year, it has been great to see our new students doing this so effectively in lessons... both literally and metaphorically. It is equally important that they 'stand together' and learn how to collaborate and support each other, whilst working together on projects and during social times.

We couldn't be more impressed with the way in which our new year groups have made new friends, looking out for each other, and ensuring that nobody is excluded. In doing so, they have succeeded in creating a strong and supportive foundation, not just for their time at the UTC but for their future lives and careers.

Exam results 2023

A Level

The majority of students at Lincoln UTC did get A* to C grades but, as the exam boards warned us, the number of A and A* grades has fallen slightly compared to last year. The education secretary, Gillian Keegan, had warned students to prepare for lower results this year as we return to pre-pandemic exam marking. She probably wasn't talking to Lincoln UTC student, Gabrielle Pirie, who has just been awarded A*, A*, A*, A* in her maths, further maths, chemistry and physics A Levels.

Approximately half of Lincoln UTC's students specialise in engineering, either on the extended BTEC or the new T Level qualification. Students on these pathways have done exceptionally well (actually better than last year) with 100% pass rate and 56% achieving distinction grades. A high proportion of the engineering students go on to well-paid apprenticeships but, for those who had applied for university places, every single student has been accepted by their first-choice university.

GCSE

Students across the country had been warned to expect fewer top grades this year, as the exam boards returned to pre-pandemic marking and grade boundaries.

It didn't have much effect on Lincoln UTC student, Draven Clarke who achieved one grade 8 and eight grade 9 GCSEs. Lincoln UTC students' grades were actually up on 2019, despite the increased rigour applied to the marking.

Pass rates in English and maths (grade 4 or better) were 82% and 81%, respectively, with 66% and 52%, respectively achieving grade 5 or better...significantly above the national average.

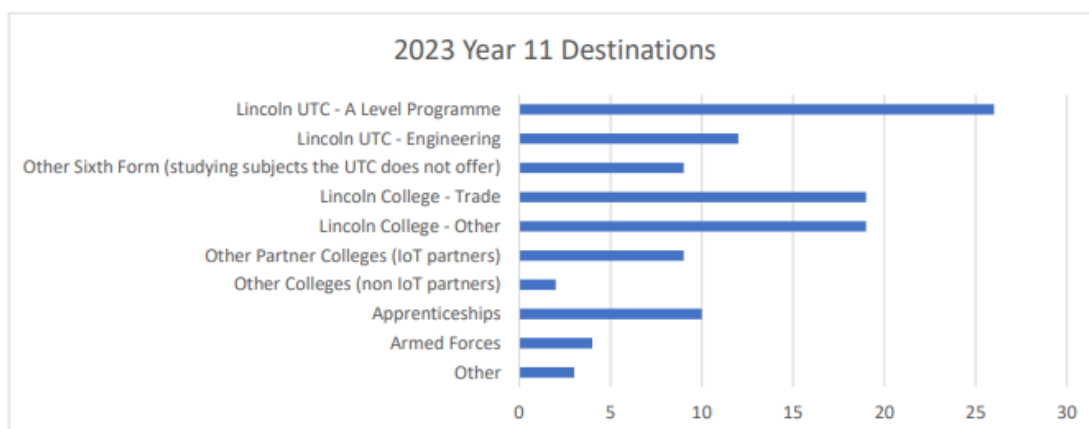
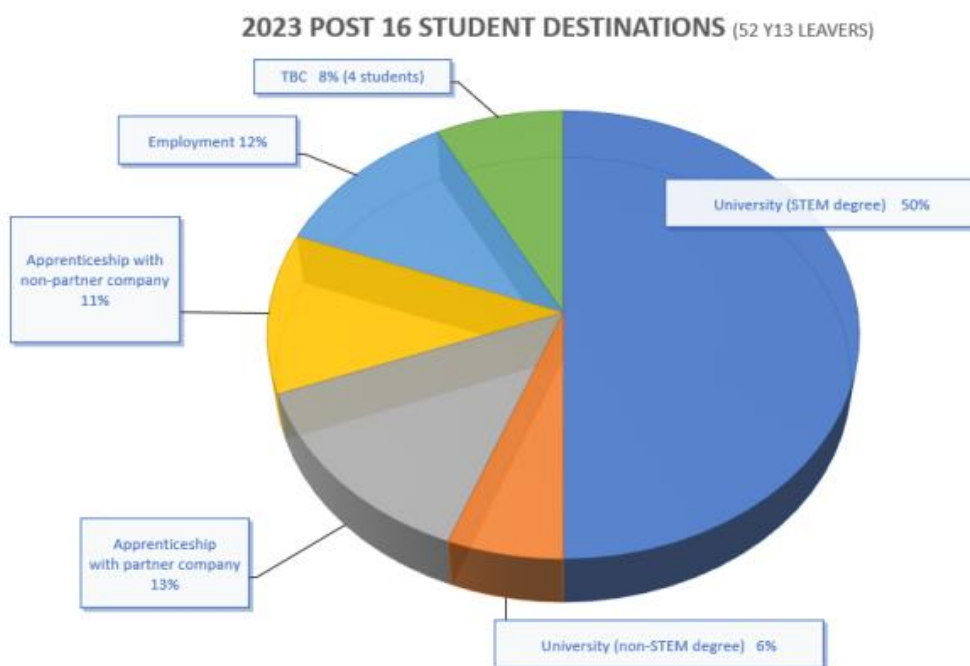


Destinations 2023

At Lincoln UTC we are proud of the relationships we have with our industry partners who support many of our students during their time with us. These partnerships can often lead to exciting opportunities after a student has left us. This year some of our students have been successful in securing some fantastic apprenticeships with our partners and some of our students have gone on to study at university.

If you or your child are unsure about your future options, then we offer careers interviews and many enrichment opportunities that can help you make these important decisions. To find out more please speak to Mr Hamer or Mrs Hickling.

This year's leavers destination data can be seen below.

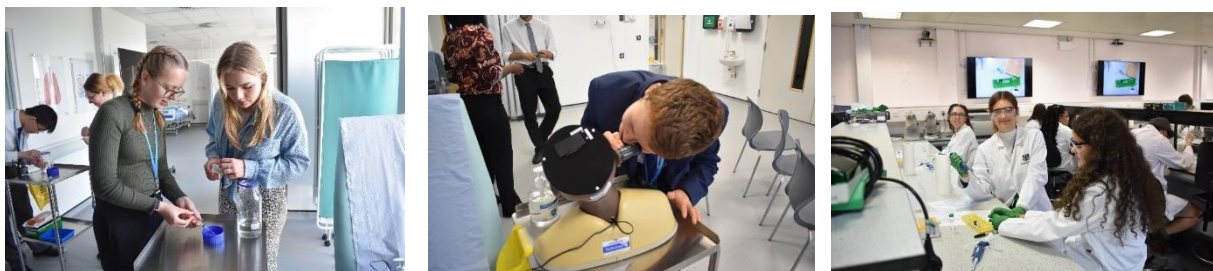


Enrichment activities at Lincoln UTC

As part of our ongoing commitment to offer Lincoln UTC students the best possible careers guidance we have started this term with some excellent visitors to ensure our students have every opportunity to gain best knowledge to make informed careers choices.

A Level Science visit to University of Lincoln

On Friday 15th September our year 12 and 13 science students spent the day at the University of Lincoln medical sciences 'be inspired day'. The students got a chance to look at what's involved in pharmacy, biomedical sciences, chemistry with drug development and pharmaceutical sciences, offering them a greater understanding of potential degree courses and careers.



(A-Level Science students at the University of Lincoln)

NHS Talent academy visit to Lincoln UTC

Sara McDermott from the NHS talent academy came to speak to our Year 11 and Year 12 cohort to inspire and inform them on the many different NHS careers. We have limited spaces at the NHS talent academy careers fair on 7th November at the University of Lincoln. UTC students who wish to attend can speak to Mrs Hickling.



(Year 11 listening to NHS talent academy)

Holly Ward - Lincs Vet and Cambridge student

We welcomed Holly Ward from Lincs Vets, an ex-Cambridge University student to complete some one-on-one UCAS application work with our students who are planning on attending Oxbridge universities. This inside knowledge is so beneficial when submitting UCAS applications.



Bishop Grosseteste University Guest Lectures

As part of our close relationship with Bishop Grosseteste University the students were lucky to have two visiting guest lecturers deliver talks to our students.

Dr Wahiba Toubal delivered a lecture on mathematical concepts of black holes. The purpose of the lecture was to give the students an understanding that by working on mathematical problems related to black holes, they will enhance their understanding of several concepts such as graphical representation, function evaluation and ratios.

The second lecture was delivered by Dr Claudia Capancioni on how to write a successful essay. The interactive session included top tips on improving essay writing covering a range of skills including structure, embedding quotations and writing style to discover what works well when constructing assignments.



Coventry University Visit

Our year 12 and 13 engineering students spent the day at Coventry University touring their fantastic facilities. The students got the chance to have a master class with Dr Arnaldo Delli Carri, Curriculum Lead in the school of mechanical engineering and an expert in nonlinear vibration analysis and nonlinear FE formulations for dynamics.

The students were lucky enough to tour the engineering facilities which include a harrier jet, flight and racing simulators, wind tunnels and other high tech engineering equipment.



Hong Kong Exchange

In July we welcomed our visitors from VTC Hong Kong for a ten-day visit. The VTC students had a programme of activities including industry visits, university visits as well as a trip to York and Alton Towers with our students. When they arrived, they were given a brief to design and make a trolley capable of navigating an obstacle course whilst carrying an open tub of water, without spillage! Both our students, staff and the VTC students took this challenge very seriously and had a great time competing.

Our return trip to Hong Kong is currently underway with 20 students, Mr Hamer, Mr Chung and Mrs White where they will spend 10 days exploring Hong Kong and learning at The VTC with the students who visited us.

The Hong Kong trip is an annual event open to all students but with limited places. In order to secure a place on the trip, the students had to write a letter of application, as well as present to an audience (staff and governors) on someone or something within the fields of science and engineering that has inspired them. All the students did a fantastic job, but sadly, with only 20 places available not everyone will have the opportunity to visit this academic year.



Greenpower season report 2023

(Josiah Thorney-Croft, Reece Cavill, Rose Bell, Odon Drakard, Cameron Connelly)

Mallory Park

In the first F24 race we had Adisa, Ben, and Rose driving, during the race we had minimal issues and it went without a hitch., however, we noted that the brakes were bound throughout the race, reducing their effectiveness. Thankfully, everything still went well and we finished in 3rd place.

In the F24+ race we started with our two sixth form drivers, Munro, and Ruby. We had some minor battery issues which meant that we were unable to achieve a podium position as we crawled around the track for a time.

In our final race of the day, once again in the F24 category, Reece started us off in the grid successfully achieving the fastest lap of the day with 2 minutes and 15 seconds. This allowed us to finish in 4th place overall.

Croft

After Mallory Park, we had a new addition to our car; The new addition was a fan attached to the motor through a 3D printed vent designed by George. This greatly reduced the heat on the motor and in turn improved our efficiency.

We had our first F24 race starting with Odon on the grid, followed by Rose. We maintained a steady pace on the track. We were slowly climbing up the places. We went onto Conrad who successfully got our fastest lap time of the day, and we finished in 1st place!

For the F24+ race Jaynie started and managed to keep her pace till Munro got onto the track. Munro did an exceptional job and managed to get the car into 2nd place. We were pleased with the outcome as when we got back to the pit the wires on the fan had desoldered due to the high temperatures that day.



In the second F24 race once again Reece started us at the back of the grid and managed to get us into 4th place before the end of the first lap. By the end of Reece's driving he was in 1st place and well ahead of the other kit cars. Next up was Szymon who maintained this place and was able to stay in front of the other cars. The Final stint was done by Josiah who once again was able to keep that place and finished our team in 1st place.

This race got us gold in F24 and silver in F24+, which qualified us for the Greenpower International final at Good Wood Motor Circuit.

Blyton

This is the race where the new fan mount was added to the car, this was designed by Josiah who created a new, more efficient mount for the fan and this improved our efficiency even more than before.

During the practice laps Jaynie was driving and due to Blyton's difficult corners managed to bend the wheel mounting at a 90-degree angle and de-spoked the wheel. This was the set up for a bad day, however this also earned us an interview with BBC look north who were at the event.

Odon started the F24 race and was unfortunately involved in a collision due to another driver overtaking on a corner, this was shown on the BBC as the film crew had placed their camera onto the car.



Luckily, we were able to fix the car in time for the F24+ race and we were able to get Munro onto the track. Munro successfully manoeuvred around the track and got us into an impressive 2nd place during that Race.

Goodwood (International finals)

Moving on for the F24 race, we started at our position on the grid with Reece in the car first. We chose him from a strategic position as we believe him to be the safest driver: an essential considering the pandemonium of 100 starters. Reece's laps went smoothly with no issues, all pit changes were quick and efficient. Josiah's stint went well, however when Odon took over, we were running out of battery.

Moving on to the F24+, we had Munro as our 6th form driver. His 1-hour race had no pit stops and went by without any issues. Overall, we placed in the kit car division at 7th making us the 7th best in the world. Munro also managed to pull the fastest lap.

Finally, for the last F24 race, we put in Odon, Conrad and Rose. This race didn't go as smoothly from the start. When we took our place on the grid, we noticed a bolt missing from the brake system. Reece thought to use a wingnut from the cowling and everything seemed to be fine. Sadly, more struggles struck us when Odon crashed, by no fault of her own, forced off the track by another car. When she came into the pit lane Conrad was already waiting to replace her in another fast pitstop. Conrad drove the car for roughly 45 minutes and performed well. Finally, Rose managed to have her full 30-minute go, placing us at 71st overall and 34th in the kit category in the world.



For next season the team are planning on building a scratch car, if you would like to sponsor us or feel you can offer any expertise then please contact Mr Samkin msamkin@lincolnutc.co.uk for further information on how to get involved.

Dates for the diary

Friday 20 th October	Last day of term
Monday 6 th November	Students return to school
Saturday 11 th November	Open Saturday
Thursday 16 th November	NHS Flu vaccinations year 10 and 11
Monday 20 th November	Year 11 mocks
Monday 27 th November	Year 13 mocks
Monday 4 th December	Year 10 parents evening
Wednesday 20 th December	Last day of term
Wednesday 3 rd January	Staff inset day
Thursday 4 th January	Students return to school
Monday 15 th January	Year 11 parents evening
Monday 22 nd January	Year 13 parents evening
Friday 9 th February	Last day of term
Monday 12 th February	Ski trip
Monday 19 th February	Staff inset day
Tuesday 20 th February	Students return to school
Monday 26 th February	Year 11 mocks
Monday 4 th March	Year 12 parents evening
Monday 4 th March	Year 13 mocks
Monday 11 th March	Year 13 work experience week
Thursday 28 th March	Last day of term
Friday 29 th March	Bank Holiday (good Friday)
Monday 15 th April	Students return to school
Monday 22 nd April	Year 12 mocks
Monday 6 th May	Bank Holiday
Wednesday 9 th May	GCSE exams start
Friday 24 th May	Last day of term
Monday 3 rd June	Students return to school
Monday 24 th June	Year 10 mocks
Monday 8 th July	Hong Kong visit to UTC
Monday 15 th July	Outward bound trip

Enrichment opportunities next half term

Date	Event	Participants
07 November 2023	NHS Talent Academy Health Careers Fair	All Year groups
10 November 2023	Physics Olympiad	Year 13
10 November 2023	Physics Challenge	Year 13
13 November 2023	English Lit/Drama: Shakespeare's First Folio	Post 16 + some Year 11
14 November 2023	Medical Imaging	Post 16 + some Year 11
15 November 2023	Junior Astro Challenge	Year 10 and Year 11
16 November 2023	Student Finance Talk	Year 13
21 November 2023	Psychology lecture	Year 12
06 December 2023	Student Finance Talk (6pm – 8pm)	Parents
07 December 2023	Be Inspired' Astrophysics	Post 16
13 December 2023	Be Inspired' Alternatives to medicine	Post 16

Please see Mrs Hickling to book any of the enrichment activities

Staff at Lincoln UTC

Holly Hardiman-Crust PA to Senior Leaders

Hi! I'm Holly, new to Lincoln UTC having taken on the role of PA to the SLT in June but not new to working in education. Previously employed at Lincoln Minster School as an Administration Officer and Event Co-ordinator, I really love rolling my sleeves up and getting stuck into all aspects of school life.

My first, and lasting, impression of Lincoln UTC is the professionalism and dedication of the students. I feel really lucky to be a part of such a unique learning environment.

The admin work that goes on in the day-to-day background of a school isn't really given a lot of thought, but it is crucial for providing young people with experiences and opportunities for their futures. I'm proud to contribute to these.

Outside of work, I'm passionate about camera and film equipment, graduating from the University of Lincoln with a Masters in Photography and Digital Imaging in 2014. The same year, I travelled to Germany to document the celebration of the 25th anniversary of the fall of the Berlin Wall and later held an exhibition to share this amazing experience. My camera still comes along on every trip and goes to every event with me, but I'm also really excited about the ever-changing camera technologies in mobile devices and the new possibilities now open to us, from the convenience of our pockets.

I'm always happy to help, with a smile on my face and an approachable demeanour, so please do get in touch if I can assist in any way.



Work with us

Exam invigilators

Are you looking for a part-time job working in a school?

Lincoln UTC is looking for Exam Invigilators to join our expanding team. You will work as part of a team of invigilators who will ensure exams are carried out according to the Exams Code of Conduct under the direction of our experienced Exam Manager.

Exams take place in May/June and then continue in November, January, and March. The rate of pay is £12.00 per hour.

Previous school and exams experience is preferred although not essential as full training and on-going support will be provided.

Exam Invigilator jobs are fantastic for candidates looking for part-time and flexible work to fit around other commitments.

You will be required to provide a minimum of 2 recent and relevant references. The role is also subject to an Enhanced DBS check, overseas police clearances where applicable and the UTC will carry out checks on eligibility to work in the UK and qualification checks where appropriate.

For further information please email hr@lincolnutc.co.uk

Applications open for Year 12 entry.

On Saturday 11th November we will be hosting an Open Event between 10am – 2pm. Appointment slots can be reserved on a first come first served basis by registering at <https://www.eventbrite.co.uk/e/lincoln-utc-open-saturday-tickets-741346596627?aff=oddtcreator>

If you are unable to make this date, we are currently offering all prospective applicants the opportunity to tour during the day, please email admissions@lincolnutc.co.uk

Approximately half of our KS5 students follow an A Level programme of study and choose 3-4 A Level options. The other half choose to complete a 3 A Level equivalent BTEC in engineering or a T-Level in engineering. Students can also choose to complete a combination of A level and vocational subjects.

Subjects we offer at KS5

Subject	Qualification
Maths	A Level
Further Maths	A Level
Biology	A Level
Physics	A Level
Chemistry	A Level
Psychology	A Level
Computer Science	A Level
Product Design	A Level
English Literature	A Level
Engineering	BTEC Level 3 Extended diploma
Engineering	T Level
Business	BTEC Level 3 National extended certificate

Lincoln UTC
A college for science and engineering

"Lincoln UTC sixth form is outstanding... the innovative curriculum stimulates the interest and enthusiasm of students... students' behaviour and conduct are impeccable" – Ofsted

Applications open for Year 12
Open Events
Saturday 11th November
10am - 2pm

GCSEs BTECs
A Levels T Levels

01522 775990
enquiries@lincolnutc.co.uk
Lindum Road, Lincoln, LN2 1PF
www.lincolnutc.co.uk

Ofsted
Good Provider








Working together to develop the skills for success in industry and university
Specialists in science, technology, engineering and maths in partnership with industry and the University of Lincoln

Mental Health at Lincon UTC

We take mental health seriously at Lincoln UTC and our inclusion team are always available for those students who might need some extra support.

They have put together some ideas for simple activities that are proven to help us feel ok and abetter able to cope with life.

Why not give some of them a try?

<p>Plan things to look forward to</p> <p>Things to look forward to can help us cope with difficult situations and making plans for things we enjoy can increase our sense of hope. Simple pleasures like watching your favourite film, spending time with friends or a trip out with family, can really help.</p> 	<p>Get more from your sleep</p> <p>Getting enough sleep can hugely benefit our bodies, minds and ability to cope with life. A relaxing bedtime routine, avoiding TV and mobile screens and aiming for between 7 and 9 hours sleep a night can really help our mental health.</p> 	<p>Eat healthy food</p> <p>In addition to eating a healthy well-balanced diet, how we eat is also important. Having meals with other people can help to grow relationships with family, friends, partners and colleagues which, can help protect mental health and prevent problems.</p> 
<p>Get closer to nature</p> <p>Nature can have a calming effect on us, so try going for a walk and tuning your senses to what's around you. Take a deep breath and see how you feel. The idea is to get connected with your natural surroundings.</p> 	<p>Be kind and help to create a better world</p> <p>Being kind can boost our mood, help us feel more capable, strengthen our connections with others and even make us cope better with stress. Try offering a smile or a few kind words to another person. You could make their day and feel better for it too.</p> 	<p>Be curious and open-minded to new experiences</p> <p>Being open to trying new experiences can make life feel more interesting, lively and rewarding. Trying something new or different can help us discover a talent we didn't know we had or meet someone new and important.</p> 
<p>Talk to someone you trust for support</p> <p>Talking things through with a person we trust can help prevent us from ignoring painful feelings and bottling up the way we feel. It can make you feel safer and less alone and may also change how you see and feel about the situation in ways you find helpful.</p> 	<p>Be aware of using drugs and/or alcohol to cope with difficult feelings</p> <p>Unfortunately, using drugs and/or alcohol to block out "difficult" feelings such as sadness, fear or shame may make things worse or create other problems. Try talking to someone you trust or seeking professional help.</p> 	<p>Learn to understand and manage your feelings</p> <p>It can help to give our feelings our attention without judging them. By learning to name what we are feeling we are better able to understand why we are feeling the way we do.</p> 

Further support and information

Mental Health Foundation

The website offers information on mental health, mental health problems, self-help and how to get help.

www.mentalhealth.org.uk

Confidential help and support

The Samaritans provides emotional support 24 hours a day.

www.samaritans.org Email: jo@samaritans.org Telephone: 08457 90 90 90

Counselling

The British Association of Counselling and Psychotherapy

www.bacp.co.uk Email: bacp@bacp.co.uk Telephone: 01455 883300

UK Council for Psychotherapy

www.psychotherapy.org.uk Email: info@ukcp.org Telephone: 020 7014 9955

General health information

NHS 111 provides information 24 hours a day.

www.nhs.uk Telephone: 111