



Engineering UTC  
Northern  
Lincolnshire

# Half Term Roundup

April/May/  
June/July 2020



# Welcome

## **Wishing you a wonderful summer break!**

Welcome to our final half term roundup of the academic year 2019/2020. As I'm writing this, it's fair to say the world has changed drastically since our last round up to you.

Over the last three months, we have welcomed our year 10 and 12 students back to the ENL UTC and it has been so lovely to see them back in our classrooms. Here at the ENL UTC, we pride ourselves on having very strong, positive relationships with the students. Even though the measures we have put into place for health and safety make the school look like something from the future, it has felt just like home again with students back in. Watching the staff and students greet each other in the morning and get straight back down to learning has been a joy. We have also given a warm welcome to our new Year 9 cohort, who have joined us for some socially distanced induction sessions. They have been engaged through lockdown and came to visit us for a rocket session. I can see some excellent engineers in the making here!

Our staff really have been amazing during this time and I would like to say a big thank you to each and every one of them as I know how hard they have been working. Many of them have given up their Easter, May half-term and bank holidays to ensure our students are looked after. Back in March, when we first went into lockdown, none of us really knew what would unfold but we have continued to provide a virtual world of online work through Microsoft teams, a daily virtual registration for students, an emergency provision for key workers and key students and regular phone call wellbeing checks. We always want to provide the best service for our students and their families so thank you to everyone who has provided feedback which is invaluable in helping us shape what we do. A big shout out to parents for their support, encouraging students to work at home is no easy challenge (I've got two of my own so I feel your pain).

Although the pandemic has thrown us some challenges (like hardware stores running out of fence paint and the lack of toilet roll), it has also afforded us some welcomed opportunities, like spending more time with our families. Our students have been sharing the things they've been doing at home during lockdown and we are amazed by their transfer of skills and projects they have been involved in. Please read on to see all the exciting experiences our students have had even if we have been in lockdown!

We can't wait to have everyone back in September, but before then have a lovely restful, relaxing and peaceful summer.

**Anesta and the ENLUTC team**





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### Your Guide to Using our Interactive Newsletter

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# #SkilledForLife

The ENL UTCs specialist STEM curriculum ensures our students are #SkilledForLife.

Studying in a professional environment alongside our expert staff and a range of local employers, students leave the UTC with the academic qualifications, technical skills and confidence to access the jobs of tomorrow.

*\*Based on year 11 and 13 summer 2019 leavers*



# A Message from Lord Baker

"This pandemic could profoundly change education for the better" says Lord Baker.

Read his reflections on technology, change and collaboration through the link below.





# Embracing the Challenge to Move to the Digital World

As the ENL UTC headed into lockdown, we not only faced the challenge of moving learning onto a digital platform but also ensuring our students continued to experience meaningful encounters with local industry experts and employers.

In recent months we hosted a number of virtual talks that have included speakers from Phillips 66, Cyber Crime units, The Institute of Chemical Engineering, ASK Apprenticeships, WiME (Women into Manufacturing and Engineering and many more! Allowing us to continue STEM design challenges and activities from the comfort of our own homes.

Embracing the

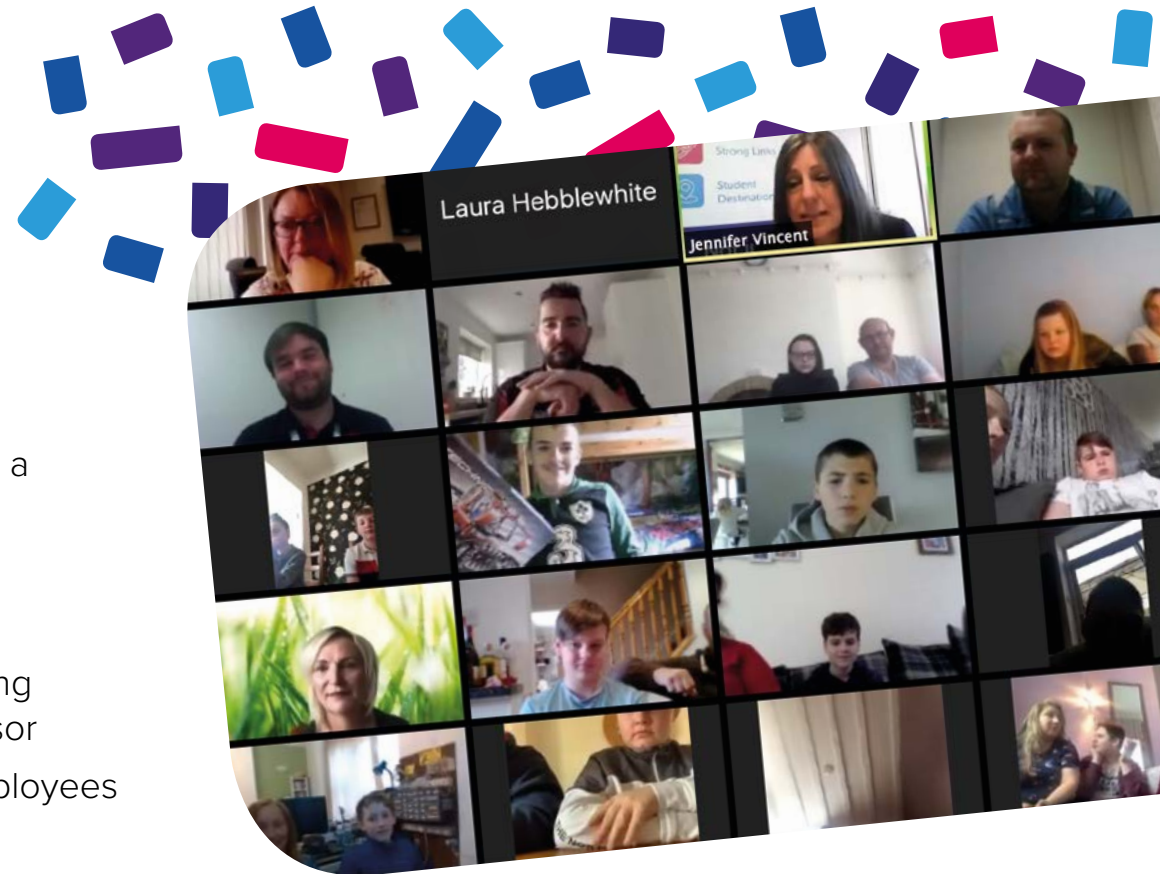
## Phillips 66 Virtual Talk

On Tuesday 28th April, Phillips 66 hosted a virtual talk with a number of new year 12 applicants to discuss:

- Life at the Humber refinery
- The numerous routes and opportunities available
- What a day in the life looks like for a fourth year Welding Apprentice, Process Engineer and Instrument Supervisor
- The skillsets industry are looking for in their future employees

Alongside of this, Phillips 66 also spoke with many of our new year 9 students regarding risk assessments that they could carry out at home. Discussing the importance of health and safety in both professional environments and everyday settings enables our students to embrace the high standards set in real world workshops and workplaces.

A brilliant way to kickstart our students' journey at the ENL UTC!



## CyberCrime Virtual Talk

As we continue to spend more time than ever online, it is vital that we understand how to keep ourselves safe.

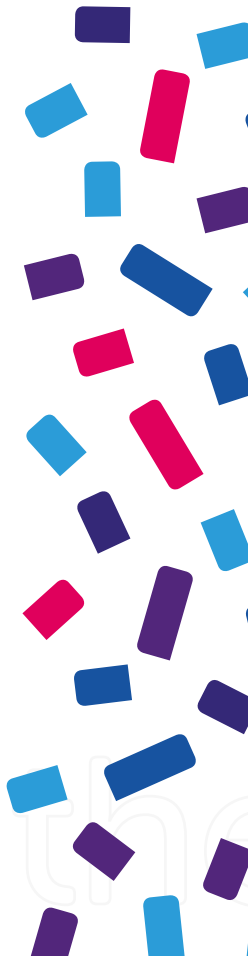
On Wednesday 17th June, we were incredibly pleased to welcome Alistair from Humber Beat Cyber Crime and Emma from The Armour Group, for a virtual talk about cyber security, how to protect yourself online and the exciting careers available.

Thank you to all our new year 9 students and families who joined us!

## ICheme Virtual Talk

Have you considered a career in Chemical Engineering or would like to find out more about the routes available?

At the start of July our students were joined by industry experts and IChemE (Institution of Chemical Engineers) members, Daniela, Sajalu and Thomas for a virtual talk to discuss what their job roles entail and to demonstrate the benefits and opportunities of becoming a Chemical, Biochemical or Process Engineer.







# Getting to Know the ENL UTC

It's not just our industry partners and students who have gone virtual, our staff have too! Alongside Microsoft Teams and online registrations our staff also came together for a virtual open event to help even more prospective parents and students discover life at the ENL UTC.

Hear from several members of our team, as well as industry partners and a year 10 student to find out more about why our unique STEM curriculum sets us apart from other schools in the area.

Getting to Know  
the ENL UTC

# Welcoming our Year 9 Cohort

On Wednesday 8th and Wednesday 15th July we opened our doors to our new year 9 cohort for a number of interactive induction sessions.

With a STEM rocket design and launch activity on offer, it was the perfect opportunity for our students to meet with many of their new classmates whilst building those all-important relationships that the ENL UTC continue to pride ourselves on.

Our team have loved getting to know our new students over recent months and are looking forward to welcoming them all in September.



Welcoming our Year 9 Cohort

# Back in the Workshops

As we entered our phased return to school for year 10 and 12 students, we sent a massive thank you to one of our core industry partners Phillips 66, for sponsoring 100 extra work coats for our students. Allowing them to safely continue with practical work, skills building and engineering projects.



Back in the Workshops





# One-to-One Mentoring

Employer engagement is a vital part of life at the ENL UTC and we are very grateful to have been able to continue this in the form of virtual events and, most recently, with socially distanced one-to-one sessions.

Thank you to Ashin from Phillips 66, for meeting with several of our students to help judge their skills project in their engineering coursework for tolerances. Invaluable conversations and lifelong learning are all part of our students school career. #SkilledForLife





# STEM Lockdown Challenge

During lockdown the ENL UTC team have been blown away by our students creativity and efforts outside of classrooms and workshops. It is clear that they have been using their time in lockdown wisely, expanding on existing STEM knowledge and skills to help around the family home.

As part of our STEM Lockdown Challenge, we asked students to send in photos and a breakdown of the activities they have been working on. Below are just a few of the impressive entries we received:

- Jack, year 10, helped his dad to build a bike ramp, boot wedge and wooden archway!
- Leighvy, year 9, helped his dad to build a motorbike trailer
- Ryan, year 9, mended his racing kart ready for the upcoming practice season
- Aiden, year 11, built custom garden furniture including a bench and door canopy
- Isabella, year 11, designed and created her very own handheld games console



# Orsted Offshore Wind Farm Mini Competition

Orsted, one of our core industry partners, set our students and their families a mini competition to learn more about the development process and importance of offshore wind farms.

As usual, our students went above and beyond with this fun challenge. Not only did they identify and assess the sites available but also constructed their very own wind turbines from materials found at home!

A great way to test their knowledge on renewable energy whilst introducing them to one of our fantastic industry partners.





# NHS Heroes

The ENL UTCs main entrance has been given a little makeover to celebrate the work and dedication of our wonderful NHS heroes.

Now, more than ever, we are thankful for the staff who dedicate themselves to our care and for those who continue to work tirelessly to care for people in the face of the Coronavirus pandemic.

From everybody at the ENL UTC, thank you to all our health heroes and keyworkers.




# Supporting Our Key Workers

**The ENL UTC, is honored to have contributed to the incredible efforts of the NHS and our key workers in recent months.**

In the fight against COVID-19, our team have donated a range of Personal Protective Equipment (PPE) including gloves, safety glasses and 3D-printed visors to local care homes and pharmacies. Alongside of this, our sixth form students and core industry partner the University of Hull, also worked together to distribute even more vital PPE gear!

After being allocated 1,000 free items of PPE, created by the university themselves, our students worked to allocate and distribute these to local care home and businesses around the Scunthorpe, Brigg and Caistor areas.

The ENL UTC, fosters innovation and we are proud to have used our technical skills and specialist equipment alongside other local businesses for such a worthwhile cause. For more information about the incredible community support that has happened in and around our local area, follow the link below.





# Every Day's a Learning Day

Always ensuring the safety of all within our school community, our staff have attended both PPE and a Level 3 Emergency First Aid at Work training in recent weeks in preparation for welcoming students back into the classrooms.

Discussing health and safety measurements, cleaning routines, proper use of masks and gloves, responsibilities of a first aider and more, ensures our team are always up to date with vital training.



# Congratulations Zoe!

In May, our wonderful engineering and biology teacher Zoe, passed her PGCE- outstanding in all areas!

Zoe's hard work certainly paid off and we're incredibly proud to have her as part of our expert team dedicated to providing our students with the knowledge and qualifications to be #SkilledForLife.

You can hear from Zoe, as part of our Getting to Know the ENL UTC virtual talk.



# Post-16 Pathways

Alongside our popular Level 3 pathway, we are excited to introduce our new **Apprentice Progression Pathway!**

If you're looking for a clear progression route into an apprenticeship, entry level employment, or if you're just not quite ready to study a Level 3 qualification, our Apprenticeship Progression Pathway is perfect for you.

Working alongside our industry partners and expert staff, both our pathways are designed to help our student gain

more out of their post-16 studies. Gaining the key qualifications, technical knowledge, confidence and employability skills, to pursue a vast range of career opportunities.

If you're passionate about STEM visit our website for more information about our post-16 studies.

## APPRENTICESHIP PROGRESSION PATHWAY

### One year pathway course:

Cambridge Technical Certificate in Engineering (Level 2 Qualification)  
Maths and English resits (if applicable)  
Leadership and resilience certified training

### Sixth form students also have access to opportunities including:

Work placements  
Industry mentoring  
First aid training  
Enrichment programmes  
Careers guidance

This certificate is a one year course and is suitable for individuals looking for a clear progression route to an apprenticeship or entry level employment, or who is not quite ready to study a Level 3 qualification.

KS5 CURRICULUM

## LEVEL 3 PATHWAY

### Two year course:

Cambridge Technical Diploma (Two A Levels)  
Quantitative Reasoning (AS Level)  
Optional subject - A Level Maths (One A Level)  
Optional subject - Practical EPQ (1/2 A Level)

### Sixth form students also have access to opportunities including:

Work placements  
Industry mentoring  
First aid training  
Enrichment programmes  
Careers guidance

This qualification is a two year course and can lead our students into employment, either directly or through an apprenticeship, or form the basis of an application to a higher education course.

KS5 CURRICULUM



# Alumni

**Meet Oliver who since leaving the ENL UTC in summer 2019, has gone on to be a Trainee Design Engineer with TREPKO, whilst studying towards a level 4 degree apprenticeship at Sheffield Hallam Uni!**

"I started at the ENL UTC in September 2017 and left in June 2019 after completing my sixth form studies. I chose to attend the ENL UTC, as I knew I wanted a career in engineering but had no idea what area or pathway I wanted to take. My time at the UTC, helped to broaden my knowledge about different aspects of engineering whilst finding my passion for everything design!

Since leaving sixth form, I have started a level 4 degree apprenticeship with Sheffield Hallam, and also secured a job role at Trepko, as a Trainee Design Engineer. My knowledge of CAD has helped me get off to a great start in the drawing office at Trepko, where I work on numerous projects for large food companies that require packaging machinery.

If you're wanting a career in engineering and are willing to work for it, there is literally no other choice but to go to the ENL UTC!"







# International Women in Engineering Day

On Tuesday 23rd June the ENL UTC celebrated International Women in Engineering Day.

Not only do we regularly celebrate the incredible achievements of female engineers all over the world but also our young females who are building the key STEM skills that will continue to shape our future.

The ENL UTC, are proud to continue the promotion of engineering as an exciting and innovative career full of opportunities for our young people. Follow the link below to read about 100 historical women who have helped to shape the world we live in



# Passionate About STEM?

**It's now more important than ever to secure a career-focused education.**

At the ENL UTC, our unique STEM curriculum has been designed to help 13-19 year olds gain the core academic qualifications, technical skills and employability skills their future employers are looking for.

Applications to join us in year 9 or 12 for September 2021/2022 will be open in the upcoming weeks. Please visit our website for further details.



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