

Half Term Roundup

January to April 2019

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Not Just a Curriculum.

A Career.

2019 got off to a positive start as we were thrilled to receive the news that, following confirmation by the local authority, 100% of our summer 2018 leavers have confirmed and sustained destinations either in further education, apprenticeships or started a full time position!

Year 9

Launch Event

Following on from our exciting news back in December, we officially hosted our Year 9 Launch Event on Saturday 19th January, to introduce even more individuals to the opportunities available at the ENL UTC.

Throughout the morning visitors were able to enjoy a talk and introduction from principal Marc Doyle, a breakfast buffet, tours of our facilities and a variety of STEM-based activities and masterclasses for the entire family to get involved in.

The turnout on the morning was exceptional with so many prospective students and their parents leaving positive feedback regarding the UTC's growth and opportunities available. We're very much looking forward to welcoming all of our year 9 applicants into the school this upcoming September.



Welcoming Year 7



**TO VIEW OUR
YEAR 7
CONSULTATION,
PLEASE
CLICK HERE**

Over the last 18 months, the ENL UTC has gone from strength-to-strength from a very positive Ofsted inspection and launching a pioneering Engineering Scholarship Programme, to celebrating record results and announcing a year 9 intake.

Due to this, the growing interest in individuals looking to attend the ENL UTC, and the need for additional secondary places in North Lincolnshire, we released a proposal back in February to change admissions to allow year 7 students to join our community from September 2020.

Inviting existing parents, members of the community and stakeholders to share their thoughts on our exciting new development, we released a booklet and questionnaire online to help us better respond to our students and community.



Royal Navy

Engineering Challenge

We're so proud to announce that on Wednesday 27th March, four of our students; Brandon, Rhys, Harry and Joshua, came 3rd in this year's Royal Navy Engineering Challenge, within the 13-17 category!

This year's challenge named Exercise Downbird Recovery, was aimed to inspire young people to engage further with STEM.

The subjects helped to assist the students to design and build two remote-controlled vehicles; a land-based recovery vehicle capable of carrying a stranded helicopter and a ship that can transport it to safety.

In total, over 70 teams competed, and despite our students coming across some minor issues regarding their designs, they

were eventually awarded with 3rd place, with a special mention from the judges for the greatest improvement across the day.

Well done to Harry, Brandon, Joshua and Rhys, and to the other teams who competed, for all of their hard work and commitment!

The Brilliant Club



12 year 10 students have completed The Scholars Programme, a scheme that is part of The Brilliant Club, an exciting programme designed for young students to gain invaluable knowledge, skills, ambitions and insight into highly-selective universities directly from PhD tutors on campus.

Starting with a trip to Leeds University on 14th January, our students took part in various lectures and tutorials, as well as a full tour of the university. From here they were then assigned a PhD student as a tutor, to work alongside of each week for two months to complete a series of university style tutorials;

Tutorial 1 – An introduction to Biomimicry

Tutorial 2 – Why bees created the honeycomb

Tutorial 3 – The 7 principles of nature

Tutorial 4 – The biomimicry design spiral

Tutorial 5 – Discovering how nature can provide inspiration to solve a major design challenge

For their final assignment, the students were tasked with writing a 2,000 word essay researching a possible solution for surviving an asteroid hitting the earth, and how they could use nature to inspire the solution and evaluate the effectiveness of the product. All students completed the assignment and learnt a great deal about how to complete research through essay writing in the process.

Our students are now looking forward to receiving their final grade back from their tutors, in time for their graduation at Sheffield University on 23rd May. A huge congratulations to our very own Brilliant Club!

Cristal

Work Experience

Since the start of the academic year, our year 12 student Aiden has been attending a weekly work placement with industry partner Cristal, where he has been developing his knowledge of the industry, whilst gaining essential technical and workplace skills.

Throughout March, Aiden has been spending time in the I&E workshop with qualified technicians learning how to calibrate a temperature element using a Beamex calibrator. Aiden, also put his

industry knowledge to good use by discussing work experience placements with our current year 11 students. Showcasing just how invaluable, hands-on experience has been for him.



F24 Greenpower Cars

As part of an ongoing project by Greenpower Education Trust, a number of our lovely year 10 students have been working to design, build and race an electric car. The unique project helps to unlock further potential in STEM through the excitement of motorsport.

Students Declan, Jayden, Leigh-J, Harry and Kian, have been extremely committed to their build throughout, even visiting our workshops during half term in February, to work alongside of Phillips 66 and STEM Ambassadors to gain further advice and support on their design.

On Saturday 9th March, despite being faced with bad weather including rain and snow, and competing against 40+ teams at Blyton race track, the ENL UTC completed their first practice session and came in the mid 20's overall! Their hard work and commitment to the project is already paying off and we can't wait to cheer them on at the next race.

Fantastic work guys!





Inspiring the Future

On Friday 5th April, two of our students; Shanen (year 12) and Francine (year 11), volunteered their time to visit Broughton Primary School for their Inspiring the Future event, hosted by Primary Futures.

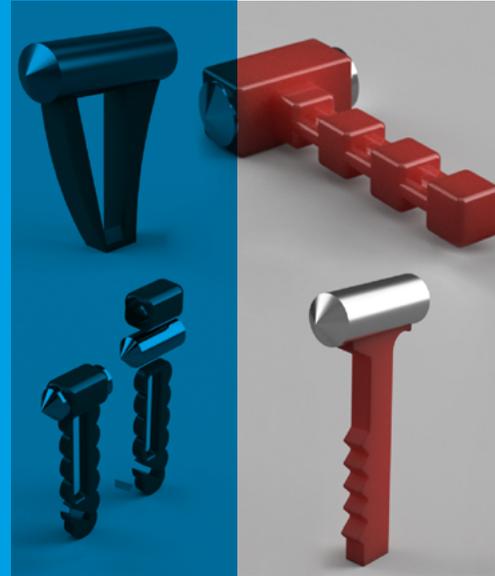
The morning was aimed to help raise aspirations and to connect primary children with inspirational volunteers, to show how their learning can lead to an interesting and exciting career. Both Shanen and Francine, spent their morning talking about their future career goals, STEM-based subjects and the importance of school learning, helping to open younger individuals eyes to how they can have an active role in choosing their future. A really lovely and inspiring morning for everyone involved.

It's Hammer Time

Earlier in the academic year, our year 10 students were introduced to the emergency escape hammer project, where they were challenged with designing, making and testing their very own hammer. On 22nd January, our students met with GoHire Offshore, Humberside Fire & Rescue Service and Hilton Hotel, to officially present their design ideas for feedback, helping them to fit the project brief whilst maintaining a professional standard. From there, Phillips 66 and British Steel engineers visited the workshops to help progress their ideas from concept to product by providing expert advice.

On 22nd March, our students' hammers were put to the test. Swinging their hammers from 3 meters up into double thickness fire door safety glass, students had to calculate the weight and the range of momentums in order to successfully break the glass.

They were successful and are now using this data to produce a 3D printed handle to hold the metal components of their hammers.



Discussing Politics



On 18th January, a number of our year 11 and 12 students had the pleasure of meeting MP Nic Dakin, where they were able to discuss parliament, local industries and opportunities, the life of an MP and the dreaded B-word; which one of our students (not naming any names) thought was a breakfast cereal prior to the meeting!



Grimsby Renewables Partnership

On 6th February, we were privileged to have been invited along to the Grimsby Renewables Partnership, where a number of companies, who are involved in the renewable energy sector, joined from around the North East region.

A handful of our students were given the invaluable experience to discuss all things renewable and the exciting developments that are happening in the region, whilst also getting a VR experience of what it is like to maintain a wind turbine!

Open Evenings



2019 has already been a busy year, with two Open Evenings being held on Thursday 31st January and Wednesday 13th March!



Our doors were once again open to prospective students and parents to provide them with the opportunity to understand the engineering and technology industries from our world-class facilities and digital technology, to the chance to talk to current students, expert staff members and a number of our industry partners.

Following on from the success of our Year 9 Launch Event, both Open Evenings experienced a fantastic turnout with an abundance of positive comments and applications so far! It was great to see so many visitors interacting with our students, staff members and industry partners whilst trying out all of the activities on offer.

Thank you once again to British Steel, Orsted, Phillips 66, Cristal, Lab Rascals, RAF Scampton, University of Hull and UK STEM Ltd, for joining us and providing your expert advice on the pathways available into engineering.



**National
College for
High
Speed
Rail**

On February 5th, we were delighted to announce our partnership with the National College for High Speed Rail in Doncaster. This exciting new partnership means that our students can be fast-tracked into a high-quality career in high speed rail and transport infrastructure within an advanced learning facility. With tours of the college, assistance with the application form and an assessment on whether they could benefit from financial assistance on offer, it provides individuals with even more opportunities to gain a career within this much sought after engineering field.



The RAF Op. VR Experience

Interested in becoming a pilot or working in aeronautical engineering?

On 13th February, we welcomed in the RAF for a morning of OP VR experience where our students were able to immerse themselves in an RAF operation that included; flying an F-35, engineering, intelligence analytics and cyberspace communications. It is the perfect opportunity for our students to experience more of what the RAF have on offer.

A Royal Tour



On 22nd February, it was a pleasure to have visited the National College for High Speed Rail, to welcome HRH The Princess Royal, for a tour of their impressive facilities. The visit was timed perfectly as the build up to International Women's Day and National Apprenticeship Week, had already begun and gave local businesses the chance to discuss everything engineering and STEM for the next generation.

New Community

Friendship & Partnership

As part of our continued growth and development in providing students with the best possible start to their future career, we are continuously looking at new, and exciting community partnerships to connect them even further with local industries and experts.

On 24th January, we were excited to announce a new community friendship & partnership between Messingham Martial Arts and the ENL UTC, to help inspire and motivate our students to achieve their goals through STEM-based learning and high quality exercise programmes. We're very much looking forward to developing this friendship further.

Crowle Railway Project

On 25th February, our year 13 students visited Crowle Railway and the National College for High Speed Rail, as part of their ongoing project to plan and design a sustainable solar powered carriage for a nature reserve. The visit helped them with their initial research into the engineering challenge of connecting solar power directly to railways to help power electric trains.



National Apprenticeship Week 2019

From Monday 4th to Friday 8th March, for the 12th annual National Apprenticeship Week, we celebrated all the fantastic opportunities that apprenticeships can offer for individuals, employers and the economy.

Through our expert staff members and unique links and involvement with industry partners from around the region, our students are able to gain support, advice and experience throughout a variety of events and activities in the academic year. Alongside of this, students also have the equally unique opportunity to be fast tracked into interviews and apprenticeships within a number of exciting industries.

To celebrate the fantastic opportunities available, we spoke with a number of our industry partners including; Airco, British Steel, Orsted, The RAF, ABP Humber and Cristal, to discuss what they offer individuals.

#BalanceforBetter



To celebrate women's achievement, raise awareness against bias and take action for equality, a number of our female staff members and students came together to support this year's International Women's Day.

Engineering is packed full of women achieving amazing things and the UTC are proud to continue promoting gender equality to help more young individuals discover their passion for STEM.

LMI Humber Event

On 20th March, the ENL UTC hosted the LMI Humber event to discuss and promote the importance of the engineering sector for our local region. Along with a variety of organisations and a selection of our year 12 and 13 students, we discovered more about the industry, what's happening to the skills gaps and also upcoming projects. A great and informative event for all!





Work Experience Week

From 8th April, two of our students along with other individuals from local schools and colleges, have been lucky enough to spend a week of work experience at Phillips 66 Humber Refinery.

The week is aimed to inspire and encourage budding engineering and technicians of the future by helping them to look at STEM, apprenticeships, degrees and their future career options.

Our 10 Year Challenge

In January, the ENL UTC took part in a social media trend, aptly named the #TenYearChallenge, which was used to showcase how much somebody, or something, had changed in the course of ten years through the use of images.

Not one to bow down to a challenge, we decided to take part by looking back at how much we have already grown in the space of three and a half years, as well as looking back on how our building looked prior to the introduction of the UTC in September 2015.

With so much to look forward to over the next year alone, it's exciting to think where the ENL UTC could be in the next three and a half years!



Myth Buster



**TO VIEW OUR
MYTH
BUSTER
BLOG
CLICK HERE**

Since opening the doors to our £12m campus in September 2015, we recognise that there are some common misconceptions surrounding the pathways available for young individuals interested in STEM.

To help provide a clear perspective into the exciting engineering and technology careers available, we put together our Myth Buster blog in January to help answer your questions.



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