

Newsletter: June - September 2024

| Integrated Curriculum | Employer Experiences | Professional Expectations and Competencies |



ENRICHMENT : OPEN TO ALL STUDENTS



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Destination: Mott MacDonald Degree Apprenticeship



BENTLEY MOTORS



HERITAGE CENTRE



EMPLOYER SET PROJECTS



BENTLEY



Year 10 students have successfully completed a weeklong employer set project for Bentley. They were tasked to design a new steering wheel concept for a Bentley electric vehicle. Bentley design engineers, Mandy Kaur and Ryan Sinton, launched the project to students - informing them of the key design features and how to approach the project from a Bentley perspective. Students then worked in teams to re-search the task, develop design ideas and produce prototypes using computer aided design and computer aided manufacture, such as 3D printing and laser cutting, manufacturing their ideas into physical prototypes.



UTC T-Level students have completed an employer set project for Tatton Park. The brief was to design an interactive educational display, showcasing Tatton Parks' working farm and its pulley systems. Using a combination of 3D printing, laser cutting and traditional fabrication methods, they have produced a scale model that will be going on display from this summer.

Peacock Railway



Crewe UTC and the Peacock Railway have been working in partnership to support the fantastic gauge 1 miniature railway that is being built. T-Level students have been working on structural engineering concepts, designing a new bridge for the track on an employer set project. Their task was to produce a fully functional bridge that will be used on the track, ready for the grand opening on the 21st July at the Peacock Railway.



T-LEVEL INDUSTRY PLACEMENTS

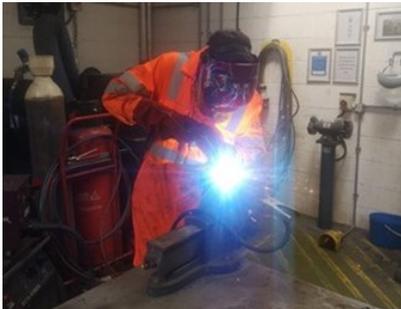


Y12 T-Level students have been successfully completing their 45 day industry placement with our industry partners, these include - Alstom, Network Rail, Bettersafe International, Freightliner, Unipart Rail and Area Welding. They have been applying their learning from the classroom into their industry placement, developing new skills whilst gaining an insight into the world of work.



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WELDING



Y10 students have been developing their welding skills during enrichment, working in the welding bays - they first learnt the basics of welding using state of the art welding equipment, and finished with joining metals to a high standard, including the preparation and finish of welded products.

UTC students visited the Silverstone Museum to compete in the Scalextric for Schools competition. They designed and manufactured a slot car that competed against other schools and colleges', aiming to win the fastest lap and best engineered

KRAZY RACES



Yr13 Students have designed and manufactured a "Back To The Future" kart to race in the Crewe Krazy Races charity soapbox. Raising money for Hopes and Beams Charity who support young people with disabilities in the community. Finishing 2nd overall it was an intensely close contest being only 1.24 seconds off 1st prize.

SKALETRIX



COLLEGE RE-OPENS—4TH SEPTEMBER

NEXT OPEN EVENT—21ST SEPTEMBER

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