

UPCOMING DATES

2nd December	Year 11 Mock Exams
5th December	Fujitsu Trip
12th/13th December	Reward Trips

PAT SESSIONS

	Year 10
Monday	Drop Everything & Read
Tuesday	Applying for Work Experience
Wednesday	Register, Read, Response
Thursday	Head of Key Stage Assembly
Friday	SMSC Session

	Year 11
Monday	Register, Read, Response
Tuesday	Exam Preparation Assembly
Wednesday	Drop Everything & Read
Thursday	Revision Timetable Planning
Friday	How we can protect each other

	Year 12	Year 13
SMSC	Work Experience - Finding Opportunities	UCAS/ Apprenticeships Applications
Friday Assembly	Sellafield and University of Salford	Sellafield and University of Salford

WORD OF THE WEEK

Hypo: below, beneath (Greek word root)
Hypothermia – dangerously low body temperature as a result of being in severe cold for a long time.
Hypocrisy – pretending to have feelings, beliefs or qualities that aren't true or real.
Hypothesis – an idea which is a possible explanation for a particular situation or condition but which hasn't yet been proven correct ('below' a thesis or statement).

COLLEGE OPENING TIMES

A reminder that the UTC opening and closing times are as follows:

Monday - Thursday: 8.00am - 4.30pm

Friday: 8.00am - 2.30pm

Students must be out of the building by these times as the reception desk is closed after this time.

SUBJECT ON A PAGE

We will be sharing a subject summary for our courses over the coming weeks. Scroll down to find out more our BTEC Level 3 Engineering.

ENGINEERING PROJECTS FOR YEAR 12

Sixth Form students have been working with Jacobs and Sellafield this week on an engineering project day. The task involved students designing and constructing a building structure. In teams, our students worked on the design and budget alongside realtime processes for construction projects. Sellafield and Jacobs are two of the UTC's employer partner network who invest their time in supporting students in the learning with us. These opportunities have been supported by Warrington Youth Club as part of the NCS award programme.



YEAR 11 CAREERS

Thank you to those Year 11 students and parents who attended our event last week with lots of information about post-16 destinations and opportunities. Following the mock exams there will be a Year 11 destination day about post-16 destinations, preparing for the real exams and considering options and choices at sixth form. If you have any questions about subjects at UTCW, please speak to subject leaders. Students in Year 11 and Year 13 have access to a Microsoft Teams group that is updated daily with apprenticeship vacancies.

THINK DRIVE SURVIVE

Year 12 and 13 students took part in the Think Drive Survive awareness course on Friday (22.11.19). Think Drive Survive is a short stimulating event for young road users, where they are exposed to the risks associated with being a driver, rider, passenger or pedestrian.

Think Drive Survive intends to play a significant part in reducing the amount of death and injury on our roads. It promotes safer, more responsible attitudes towards road use by young people.



MUSEUM OF SCIENCE AND INDUSTRY TRIP

Year 10 students visited the Museum of Science and Industry in Manchester for a creativity in STEM event. The students gained insight into how artistic skills are required in engineering jobs and apprenticeships.



POPPY APPEAL

The Cadets from UTC Warrington (CCF) raised a total of £1500.17 during the period of 5th - 8th November within the college and at ASDA Cockhedge. A representative from The Royal British Legion will be visiting in the near future to award us with a certificate. Thank you for your support.



STEM WEBINARS

Year 13 Civil Engineering students have been watching Construction Live over the last few weeks. These live webinars are an opportunity for students to engage with leaders from the sector by asking questions in real time and hearing their answers in the live broadcast. Thank you to LearnLive for the broadcasts.



MATHS REVISION SESSIONS

Mr Tunney will be doing exam practice every Monday after college for any Year 11 student in room 1.02. This will take place between 3pm and 4pm. If students would like to attend, please ensure you are informed and ensure they are travelling home from the UTC via a safe mode of transport.

DUKE OF EDINBURGH

Any students who have not uploaded their evidence via the online portal need to do ASAP if they wish to receive their certificate before Christmas. If you have any questions, please speak to Mr Gee.

ENGINEERING



Course Title:	BTEC L3 Engineering	Course Code:	601/7588/6
Exam Board:	Edexcel	Course Length:	2 years

Units Covered:

- Engineering Principles
- Delivery of Engineering Principles Safely as a Team
- Engineering Product Design & Manufacture
- Applied Commercial & Quality Principles
- Specialist Engineering Project
- Microcontroller Systems for Engineers
- Calculus to Solve Engineering Problems
- Computer Aided Design
- Hydraulics & Pneumatics
- Electronic Printed Circuit Board Design & Manufacture
- Non Metallic Materials
- Maintenance of Mechanical Systems
- Metallic Materials
- Additive Manufacturing Processes
- Electrical Power Distribution

PROGRESSION

Students who gain a BTEC Extended Diploma in Engineering are held in high regard by various engineering companies and apprenticeship providers as they will have both good theoretical knowledge and evidence of developing practical skills. The course incorporates two Mathematics units, enabling students to progress into studying Engineering at university. This subject can lead to careers in: Mechanical Engineer, Electrical Engineer, Electronic Engineer, Chemical Engineer, Aeronautical Engineer, General Engineering, CAD Technician, Sports Engineering Designer and Process Engineer.

HOW AM I ASSESSED?

- The course is split into modules with each module being assessed upon completion. Therefore there will be multiple assessment points throughout the year.
- There are three external assessment modules and these will be assessed in either January or May of each year.
- The attained grades for each module will be combined to give an overall grade for the course.

HOW TO BE SUCCESSFUL?

- Complete all units of work within the set time frame.
- Undertake background reading around the subject to build up engineering knowledge.
- Practise workshop activities to develop your skills and understanding of various types of manufacturing.
- Extend your own learning and development via research to ensure knowledge is in place for examinations.

6 X NATIONAL
AVERAGE

HIGH QUALITY STEM
APPRENTICESHIP

AVERAGE GRADE

DOUBLE DISTINCTION

WHY ENGINEERING?

The Engineering Sector domestically and internationally is regarded as vitally important as there are many different engineering pathways to choose from to help develop the National and International Economy. Opportunities are available to gather experience across a broad range of sectors and cultures worldwide.