



UPCOMING DATES

2nd December	Year 11 Mock Exams
5th December	Fujitsu Trip
10th December	College closes at 2pm for staff training
12th/13th December	Reward Trips

PAT SESSIONS

	Year 10		
Monday	Drop Everything & Read		
Tuesday	Applying for Work Experience		
Wednesday	Register, Read, Response		
Thursday	360 Reviews with Students		
Friday	Positive Reinforcement		
	Year 11		
Monday	Mock Exams		
Tuesday	Mock Exams		
Wednesday	Mock Exams		
Thursday	Mock Exams		
Friday	Mock Exams		
	Voor 12 Voor 12		

	Year 12	Year 13
	rear 12	fear 13
SMSC	360 Reviews with Students	360 Reviews with Students
Friday Assembly	360 Reviews with Students	360 Reviews with Students

WORD OF THE WEEK

Logy: the study of (Greek word root)
Crimino<u>logy –</u> the scientific study of crime and criminals.

Psychology – the scientific study of the human mind and reasons for people's behaviour.

Cardio<u>logy</u> – the scientific study of the heart and its diseases.

CYBER TRIPS

There are a number of trips for students studying cyber courses over the coming weeks. Please return any reply slips to Mr Gee or Mr Pownall:

- Fujitsu day trip 5th December
- Cyber Discovery trips 12th or 19th December

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 Applied Science.

WWW.UTCW.CO.UK T: 01925 737067

E: PARENTENQUIRIES@UTCW.CO.UK

WEEKLY BULLETIN FRIDAY 29TH NOVEMBER 2019

ENGINEERING SECTOR CALLS FOR MORE SPECIALIST EMPLOYEES

The UK's engineering and manufacturing sector has a proud history across the north of England. The Royal Academy of Engineering estimates that the UK needs to find more than one million new engineers by 2020 to meet demand. According to Engineering UK, there's a shortfall of 69,000 engineers and technicians entering engineering or STEM-related subjects. There is a growing demand for fresh talent and employers are working with the UTC to identify suitable candidates for engineering jobs. Over 36% of UTCW's leavers secured a high status STEM apprenticeship; that's over six times the national average (5%). This week, we have met with Nuclear Engineering company AECOM who are looking to engage with UTC Warrington students, including the offer of bespoke work placements for our students.



GEOGRAPHY REVISION

Geography students have received a pack with knowledge organisers (a summary of what they need to know) for each topic plus a bank of short response knowledge check questions. These are perfect for parents to use to help test their son/daughter.

Revision guides for new Y10 students and for any Y11 who didn't get one last year are available to purchase on parent pay. Priced at £3.50.

PHYSICS REVISION

Equations which need to be learnt for paper 2 Physics exam:

1	P8	moment = force x distance	M = F d
2	P9	distance = speed x time	s = v t
3	P9	acceleration = change in velocity / time taken	$a = \Delta v / t$
4	P10	weight = mass x gravity	W = m g
5	P10	force = spring constant x extension	F=ke
6	P10	force = mass x acceleration	F = m a
7	P10	momentum = mass x velocity	p = m v
8	P11	pressure = force / area	p = F/A
9	P13	wave speed = frequency x wavelength	$v = f \lambda$

AECOM

ENGINEERING INTERVENTION

At present Year 11 Engineering and Manufacture are covering exam content in lesson time to prepare for mock exams in December and GCSE exams in January. However, it has been requested that they attend an intervention session at least one lunch time or after college with their class teacher. This is to ensure that they are completing outstanding coursework.

Class lists are currently being sent to Head of Year for students to be notified and letters will be sent home.



CHRISTMAS APPEAL

Every year at Christmas, UTC Warrington like to support a local charity. Last year our students/parents/teachers supported the Warrington Womens Refuge - a charity that supports anyone living in Warrington who is experiencing domestic violence. UTC Warrington would like to support this charity again.

We would like your support in donating some of the following items:

- Soaps:
- Pyjamas- sizes 10-12, 12-14,14-6 and childrens/boys and girls/new born;
- Toys appropriate for girls aged 5-9 .and boys aged 1-5.

All gifts can be left in reception for the ca<mark>re and attention of M</mark>r Varey. Thank you for your support.

MOCK EXAMS

Pre-public examinations begin next week for Year 11 & 13 students. It is important to take these exams seriously as they will provide us with an indication of progress and what we can do to support students before the real exams in May/June. Please check the timetable and ensure you bring the correct equipment to all exams.

DECEMBER	MONDAY 2nd	TUESDAY 3rd	WEDNESDAY 4th	THURSDAY 5th	FRIDAY 6th
AM P1 and 2 Exams Start at 8.50am Unless otherwise stated	English Language Paper 1 (1hr 45) All year 11	English Literature Paper 1 (1hr 45) All B side +14 students from A side	Maths Paper 1 (1hr 30) All year 11	Maths Paper 2 (1hr 30) All year 11	Maths Paper 3 (1hr 30) All year 11
AM P3 and 4 Exams start at 11.10am	Biology Paper 1 (1hr 15) All year 11	Chemistry Paper 1 (1hr 15) All year 11	Comp Science (1hr 30)-11g/cs1 I Media (1hr 15)-11g/cs2 Geography Paper 1 (1hr 30)- 11g/11b/gg1		Physics A level Paper 1 (2hr) Art (11h/ar1) Room 310 Start Period 3(12-2)
PM P5 and 6 Exams start at 1.10pm Unless otherwise stated		Art (11h/ar1) Room 310		Business Studies (1hr 30)-11ab/bs1 Astronomy (1hr 45)-11ab/as1	
DECEMBER	MONDAY 9th	TUESDAY 10th	WEDNESDAY 11th	THURSDAY 12th	FRIDAY 13th
AM P1 and 2 Exams start at 8.50 am	English Literature Paper 2 (2hr 15) All B side +14 students from A side	Physics Paper 1 (1hr15) All year 11	English Language Paper 2 (1hr 45) All year 11	Geography Paper 2 (1hr 15) 11g/11b/gg1)	DROP DOWN DAY YEAR 11
AM P3 and 4 Exams start at 11.10am		Art (11h/ar1) Room 310 Computer Science A level (2hr 30)	Engineering Design (1hr) 11ab/ed1,2/11b/ed1/11h/ed1	Manufacturing (1hr) 11a/mn1,2,311b/mn1,2	Physics A level Paper 2 (2hr) Start Period 3(12-2)
PM P5 and 6 Exams start at 1.10pm Unless otherwise stated	Sport (1hr)-11g/pe1 Systems & Control (1hr)-11ab/sy1 Period 5 start 2pm	Art (11h/ar1) Room 310		ICT (1hr 30) 11h/it1	



5 Key Qualities of Exam Resilient Students at UTC Warrington

Arrive on Time

In fact, if you can, get there early. There will be free breakfast, snacks and water provided and your teachers will be available for pre-exam meet ups

Be Prepared

Make sure you bring all the equipment that you need including a calculator. Prepare your revision in manageable chunks so that you are relaxed on the day and make sure you eat well and have a good night's sleep the day before. Check the seating plan so you know where to go

Maintain Examination Conditions

being disqualified from examinations so practise these now and get used to them. They include the handing in of mobile phones and electronic devices and no talking or communication once in the examination room

Attempt 100% of the Examination

Do not give up! Even when you find something challenging, have a go at it, do not waste any time or leave out any questions

DISPIA 9 A POSITIVE HTTITUDE and a GROWTH MINDS All we can ever ask of you is that you try your best. Challenge yourself and try to see these challenges as an opportunity to improve and develop. The way you think and talk about yourself we directly impact how well you achieve - so read our 'Growth Mindse' the part shell property included.

APPLIED SCIENCE

Course Title:	BTEC L3 Applied Science	Course Code:	601/7437/7
Exam Board:	Edexcel	Course Length:	2 years



Units Covered:

- Principles and Applications of Science 1
- Practical Scientific Procedures and Techniques
- Science Investigation Skills
- Laboratory Techniques and their Application
- Principles and Applications of Science 2
- Contemporary Issues in Science
- Physiology of Human Body Systems
- Electrical Circuits and their Application
- Microbiology and Microbiological Techniques
- Biomedical Science
- Materials Science
- Forensic Evidence, Collection and Analysis

PROGRESSION

Students who gain a BTEC Extended Diploma in Applied Science are generally well regarded by companies and apprenticeship providers as they will have both good theoretical knowledge and evidence of developing practical skills. The course also provides a clear pathway to studying Science at university and can often be combined with an A-Level in Mathematics to strengthen these applications. This subject can lead to careers in: Laboratory Scientist, Forensic Science, Biomedical Science, Paramedic, Biomedical Technician.

HOW AM I ASSESSED?

- The course is split into modules with each module being assessed upon completion.
 Therefore there will be multiple assessment point throughout the year.
- There are four externally assessed modules and these will be assessed in either February 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 timeframe.
- Engage in practical activities to develop laboratory skills and techniques to support learning.
- Read relevant scientific literature to develop knowledge of a range of science concepts.

WHY APPLIED SCIENCE?

The course has been developed in the science sector to focus on giving students the opportunity to acquire technical and employability skills, knowledge and understanding of Biology, Physics and Chemistry in real world contexts. Studying science will broaden your understanding of the world around you and will equip you with the skills needed to approach most matters in a reasoned and analytical manner.

6 X NATIONAL AVERAGE HIGH QUALITY STEM APPRENTICESHIP