COMPUTING

UTC WARRINGTON

Course Title:	BTEC L3 Computing	Course Code:	601/7342/7
Exam Board:	Edexcel	Course Length:	2 years

Units Covered:
- Principles of Computer Science
- Fundamentals of Computer Systems
- IT Systems, Security and Encryption
- Business Applications of Social Media
- The Impact of Computing
- Relational Database Development
- Planning and Management of Computing Projects
- Software Design and Development Projects
- Object Oriented Programming
- Computer Networking
- Virtualisation
- Systems Analysis and Design
- Digital Graphics and Animation

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 four external assessment 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 time frame.
- Undertake background reading around the subject to build up generally computer science knowledge.
- Practise programming on a regular basis to ensure knowledge in place for the examinations.

PROGRESSION

Students who gain a BTEC Extended Diploma in Computing are generally well regarded by companies and apprenticeship providers as they will have both good theoretical knowledge and evidence of developing practical skills. If the course is combined with an A-Level in Mathematics, students can progress into studying Computer Science at university. This subject can lead to careers in: Cyber Security, Software Engineering, Games Development, IT Administrator, Project Management, Robotics.

6 X NATIONAL AVERAGE

HIGH QUALITY STEM APPRENTICESHIP

WHY CYBER?

The UK Cyber Security Market is regarded as the largest in Europe and an increase in cybercrime threats has led to an increase on cyber security spending in the public and private sectors. The cost of cybercrime is estimated to cost the UK $30bn per year.