

Course title: Cambridge Technical Information Technologies (Block C)

Academic year:	2023
Course Venues:	The Weston Road Academy
Course Type:	Cambridge Technical Level 3
Course Code:	tbc
Duration:	2 years

Course Description:

This course develops knowledge, understanding and skills in cybersecurity and technological change management. Key aspects of digital software and digital business practice will be focussed on through the two mandatory and three optional units. This vocational qualification will help students to develop professional, personal and social skills, as well as developing career skills such as communication, problem solving, time management, research and analytical skills.

Course Content:

Coursework units Fundamentals of IT

A sound understanding of IT technologies and practices is essential for IT professionals, including the fundamentals of hardware, networks, software, and ethical use of computers and how businesses use IT.

Global Information

The purpose of this unit is to demonstrate the uses of information in the public domain, globally, in the cloud and across the Internet, by individuals and organisations. Students will discover that good management of both data and information is essential.

Cybersecurity

In this unit students will gain knowledge and understanding of the range of threats, vulnerabilities and risks that impact on both individuals and organisations. Students will be able to apply their knowledge and understanding of cyber security issues and solutions by reviewing and making recommendations for ways to best protect digital systems and information.

Project Management

Project management skills are essential transferable skills that can be used for all projects whether it's traditional methodologies or more recently adopted agile approaches within the IT development environment. This unit will develop students' skills, knowledge and understanding of different project methodologies and the key factors that can influence the success or failure of a project.

Social Media and Digital Marketing

The use of social media has increased massively over recent years and is now a world-wide phenomenon. Digital marketing is part of the overall process of marketing as is the use of digital media to increase awareness of a product or service. As social media offers such a wealth of data and the ability to contact potential customers in their own homes across a range of media channels, it is only natural that digital marketing seeks to use social media as part of the marketing mix for goods and services.

Entry requirements:

The standard entry criteria to study in the sixth form are a 9-4 in at least seven different subjects, including English and mathematics, which would usually be at grade 4 or above.

To study other subjects already taken at GCSE you must achieve at least a grade 5 or above in that subject (L2M in Information Technologies, or grade 5 in Computer Science)

Assessment:

Two of the mandatory units are worth 25% each. The other three optional units are worth 16.6% of the final grade. All work is assessed internally through the use of model assignments and grades are agreed by a visiting moderator. Students will be able to track their progress through the units as the course progresses. The two mandatory units will be completed in year 12. The three optional units will be completed in year 13.

Grades are assessed Distinction *, Distinction, Merit and Pass and are part of the UCAS Tariff points scheme.

Financial Information:

All course related material will be provided. Students will be required to equip themselves with a folder, calculator, pens & writing pad. It would be beneficial to have access to an Internet enabled device and Internet connection for homework/research tasks.

Future opportunities:

This course would be highly suitable for students with an interest in business, engineering, computer science, architecture, cybersecurity, application development and information technology.

Further study/Careers – Cybersecurity related degree courses are rapidly growing in popularity in the UK, as are apprenticeships and employment opportunities in this rapidly growing sector.

Further information:

For further information please see: <https://www.ocr.org.uk/qualifications/cambridge-technicals/information-technology/#level-3>