

# Information Technology (IT)

## Level 3 Diploma Double

### Cambridge Technical

### OCR

**Equivalent to two A-levels. It covers a range of general and specialist IT units. It focuses on developing transferable skills in a variety of business, media and IT work related scenarios. It also helps you in developing design and technical skills in graphic software, audio production and web development.**

#### Course Structure

The theory that is covered in the 3 core units (1, 2 and 3) cover a wide spectrum of subjects and include computer hardware, software and applications, information storage and how organisations use information, cyber threats, vulnerabilities and risks for both individuals and organisations. The emphasis is on creative uses of digital technology as well as security roles. Units studied include: Fundamentals of IT, Global Information, Cyber Security. Students will also study 8 other practical units and coursework projects over the course.

#### Skills & Knowledge

You will develop professional, personal and social skills through interaction with peers, stakeholders and clients, as well as theoretical knowledge and understanding to underpin these skills. These support the transferable skills required by universities and employers such as communication, problem solving, time management, research and analytical skills.

#### Assessment

You will learn theory and concepts in IT and digital technology. Class work will take a variety of forms: learning new concepts and applying them through a range of activities, individual paired and group work focused on different aspects of the course, directed research, reading a range of materials and creating displays. You will be developing your writing both in structured and unstructured formats, learning how to draw information from a wide range of sources and learning how to give presentations. A wide range of centre assessed units with practical and wider project-based assessment opportunities, as well as examined units on the Fundamentals of IT and Global Information has resulted in focused qualifications. You will practically apply your skills and knowledge in preparation for further study, apprenticeship or the workplace.

#### Opportunities & Enrichment

**Cyber Discovery HM Government Programme** is the most effective and fun way to master technical skills and security concepts, as a gateway to the industry or just to up your digital skills! As you embark on your journey, you will become an agent for the virtual Cyber Protection Agency. **The Hour of Code** takes place during Computer Science Education Week. It started as a one-hour introduction to computer science, designed to demystify "code", to show that anybody can learn the basics, and to broaden participation in the field of computer science. **BIMA Digital Day** is the only initiative of its kind, giving young people an insight into a world of digital careers.

#### Future Careers & Pathways

Cambridge Technicals provide a strong base for progression to university, apprenticeships or work and are recognised for UCAS tariff points. Future careers in various role within IT and Computer Science; Programming, Cyber Security, Digital media, Digital Marketing, Creative Media and Networking.