

# Information Technology (IT)

## Level 3 Introductory Diploma Single

### Cambridge Technical

### OCR

**Equivalent to one A-level. The qualifications aim to develop your knowledge, understanding and skills of the principles of IT and Global Information Systems. You will gain an insight into the IT sector as you investigate the pace of technological change, IT infrastructure, the flow of information on a global scale, and the importance of legal and security considerations. Designed in collaboration with experts spanning the breadth of the sector, the Level 3 Cambridge Technicals in IT focus on the requirements that today's universities and employers demand.**

#### Course Structure

The theory covered in the 3 core units (1, 2 and 3) 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 Exam and Global Information Exam. 2 other practical units and coursework projects over the course. You will learn theory and concepts in IT. The emphasis of the course will be digital technology.

#### Skills & Knowledge

You will develop professional, personal and social skills through interaction with peers, stakeholders and clients, 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. Classwork will take a variety of forms: learning new concepts and applying them, individual paired and group work focusing on different aspects of the course, directed research, reading a range of materials and creating displays. You will be developing writing both in structured and unstructured formats, learning how to draw information from a wide range of sources and 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. 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.