CTEC IT

THE PARK ACADEMIES TRUST SIXTH FORM
Don't be anonymous...
...be remarkable

Level 3 Cambridge Technical Diploma in Information Technology is a Tech Level course equivalent to 2 A Levels. This builds upon the IT skills students developed at KS4.

The course has been developed to meet the challenging needs of the IT sector and prepare students for Higher Education or employment.

The course supports the transferable skills required by universities and employers such as communication, problem solving, time management, research and analytical skills.

Diploma

112 UCAS points available

Student Profile

A successful student will:

Level 2 Merit in the CNAT IT or Creative iMedia courses or grade 4 in GCSE Computer Science or an equivalent IT KS4 qualification.

Be interested in developing the knowledge and skills you need to be a competent and informed IT user and practitioner.

Seek to use IT in their everyday life as often as possible.

Be interested in a career using technology.

Course Content (Cambridge OCR)
Within this qualification the grade comes from a combination of 3 written examinations and 8 coursework units totalling 720 guided learning hours (GLH).

Exam Units
Unit 01: Fundamentals of IT (90 GLH): this unit will provide a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT.
Unit 02: Global Information (90 GLH): this unit will demonstrate the uses of information in the public domain, globally, in the cloud and across the internet, by individuals and organisations.
Unit 03: Cyber Security (60 GLH): this unit will teach the range of threats, vulnerabilities and risks that impact on both individuals and organisations and how to prevent or deal with cyber security incidents.

Coursework Units (60 GLH each)
Unit 05: Virtual & Augmented Reality
Unit 09: Product Development
Unit 12: Mobile Technology
Unit 13: Social Media & Digital Marketing
Unit 16: Developing a Smarter Planet
Unit 17: Internet of Everything
Unit 18: Computer Systems: Hardware
Unit 22: Big Data

Skills Gained

This qualification aims to develop students' knowledge and understanding of the principles of IT and Global Information Systems.

Students will gain an insight into the IT sector as they investigate the pace of technological change, IT infrastructure, and the flow of information on a global scale and the importance of legal and security considerations.

Students will also develop professional, personal and social skills through interaction with peers, stakeholders and clients, as well as theoretical knowledge and understanding to underpin these skills.

Trips / Cultural Experiences

Bletchley Park, Milton Keynes - home of the World War Two Codebreakers

Museum of Computing - Swindon

The Future - What Next?

Successful completion could lead to a degree in related subjects such as IT, Computer Science, Information Systems, Multimedia, Software Engineering, Computer Networking, e-Business, Cyber Security and Information Management. The skills developed could also lead into IT Technical Support and Network Maintenance related careers.



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The Park Academies Trust