IT
CAMBRIDGE TECHNICAL DIPLOMA LEVEL 2

COURSE OVERVIEW

The Level 2 in IT is a practical, career-focused course that gives students a strong foundation in key digital skills, including: IT systems, networking, cyber security, hardware and software installation, troubleshooting.

As well as technical support through a mix of hands-on units such as building PCs, setting up networks, installing software, and participating in real IT projects students develop both technical competence and professional skills like communication, teamwork and problem-solving.

SUBJECT CONTENT

This course covers a broad range of practical and theoretical IT skills through eight specialist units.

Students begin with the fundamentals in Essentials of IT and Essentials of Cyber Security, learning how digital devices, networks, data, online services and security measures operate in modern organisations.

They then progress into hands-on technical work in Building IT Systems, IT Hardware Installation and Upgrade, and IT Software Installation and Upgrade, where they design and build systems, install components, configure software and troubleshoot faults.
Networking skills are developed through Creating a Computer Network, which covers cabling, devices, IP addressing and connectivity testing.

Students also learn how to work effectively in teams through Participating in a Project, gaining experience in planning, reviewing and communicating project outcomes.
Finally, Using Emerging Technologies introduces learners to cutting-edge developments such as AI, IoT, automation and virtualisation, exploring their impact on business and society.

Together, these units provide a strong, industry-relevant foundation in IT systems, cyber security, networking, system building, technical support and digital innovation.

ASSESSMENT

Assessed by an external on-screen exam:

- Essentials of IT
- Essentials of Cyber Security

Internally assessed coursework where students design, build and test an IT system:

- Building IT Systems
- Participating in a Project
- Using Emerging Technologies
- Supporting IT Functions
- IT Software Installation and Upgrade
- IT Hardware Installation and Upgrade
- Creating a Computer Network

CAREER PROGRESSION

Students completing this course can progress into a wide range of digital pathways, including Level 3 study such as BTEC Level 3 IT or T Level Digital Support Services, as well as apprenticeships in IT Support, Cyber Security, Networking or Digital Infrastructure, while the practical skills gained in troubleshooting, hardware and software installation. Also, networking, cyber awareness and project work also prepare learners for entry-level roles such as IT Technician, Helpdesk Support, Network Assistant, Junior Systems Administrator or Technical Support Operative, providing a strong foundation for a career in the rapidly growing digital and technology sector.

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