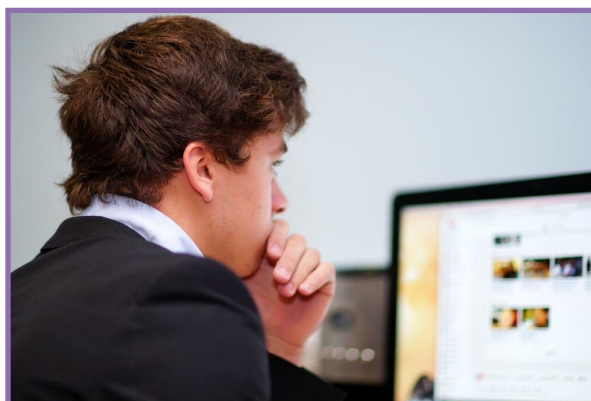


Guilsborough Academy Sixth Form

KS5 CURRICULUM

Course Title: Cambridge Technicals Level 3 in Information Technology

Examination Board: OCR



Entry Requirements: 5 A* - C Grade GCSE

Assessment: **Year 12 (Two compulsory units)**
Unit 1 - Fundamentals of IT: 90 minute exam
Unit 2 - Global Information: 90 minute exam

Year 13
 (Following the Application Developer Pathway)
Unit 6 – Application Design (Compulsory unit):
 Internally assessed coursework
 Plus **two** more optional units (listed overleaf)

Is This Course Right For Me?

The Cambridge Technicals in IT have been developed to meet the changing needs of the IT sector, and prepare students for the challenges they'll face in Higher Education or employment.

Cambridge Technicals in IT focuses on the skills, knowledge and understanding that today's universities and employers demand. Students will practically apply their skills and knowledge in preparation for further study or the workplace.

The qualification aims to develop 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. These support the transferable skills required by universities and employers such as communication, problem solving, time management, research and analytical skills.

Unit Contents:**Year 12: (Two compulsory units)****Unit 1 - Fundamentals of IT**

A sound understanding of IT technologies and practices is essential for IT professionals. Information learnt in this unit will create a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how businesses use IT.

Unit 2 - 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. You will discover that good management of both data and information is essential and that it can give any organisation a competitive edge.

Year 13 (Following the Application Developer Pathway)**Unit 6 – Application Design (Compulsory unit)**

In this unit you will explore potential ideas for a new application and develop the fundamental design for it. You will then develop the designs for an application and how users will interact with it. The application that you will design could be for any sector and for any purpose. You will have the opportunity to present your ideas, prototype them and gain feedback before refining your design.

Plus two more units from:

- Cyber Security: 60 minute examination
- Project Management: Internally assessed coursework
- Product Development: Internally assessed coursework
- Mobile Technology: Internally assessed coursework
- Social Media and Digital Marketing: Internally assessed coursework
- Software Engineering for Business: Internally assessed coursework
- Games Design and Prototyping: Internally assessed coursework
- Internet of Everything: Internally assessed coursework
- Web Design and Prototyping: Internally assessed coursework
- Big Data Analytics: Internally assessed coursework

Progression:

Cambridge Technicals provide a strong base for progression to university, apprenticeships or work and are recognised for UCAS tariff points.

The qualification is designed to give learners a range of specialist knowledge and transferable skills in the context of applied IT, providing them with the opportunity to enter an apprenticeship, move directly into employment, or progress to a related University course.

Learners could also progress onto a Level 4 apprenticeship such as Network Engineer or Software Developer or into employment in the IT sector in areas such as technical support, digital technologies, application development or data analysis.

Example of university courses and grades required

- BSc (Honours) Games Software Development (**Sheffield Hallam**): 280 UCAS points
- BSc (Honours) Computing (**University of Northampton**): 260-300 UCAS points
- BSc (Honours) Information Technology (**University of Hertfordshire**): 260 UCAS points
- BSc (Honours) Computer Science (**Liverpool University**): 340 UCAS points

Further Information Contact:

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