

Cambridge Technicals Extended Certificate in IT

Examination Board: OCR

Contact Teacher: Miss Parsons



Course Details and Assessment

The Cambridge Technical's course in IT aims to develop students' knowledge, understanding and skills of the essentials of IT and Cyber Security. Students will gain an insight into the IT sector as they investigate the pace of technological change, IT infrastructure on a global scale, and the importance of legal and security considerations. The course is an exciting combination of Computer Science and IT and allows students who have an interest in the subject to continue to develop their knowledge.

The course will cover the following IT topic areas:

AS Course	Full A Level
Fundamentals of IT <ul style="list-style-type: none"> • Computer Components • Computer Systems • Number Systems • Software Global Information <ul style="list-style-type: none"> • Types of Information • WWW Technology • Risks and Impacts of Technology 	Cyber Security <ul style="list-style-type: none"> • Cyber Attacks • Responding to Cyber Attacks Project Management <ul style="list-style-type: none"> • Project Lifecycle • Planning and Executing Projects Internet of Everything <ul style="list-style-type: none"> • Global Impact • How People Connect Globally

The course is assessed in the following way:

Students who wish to achieve qualifications in IT must complete all the assessments below:

AS Level			A Level		
Assessment	Outline	Grading	Assessment	Outline	Grading
Unit 1 Exam	1hr 30mins Written Paper	50% (AS) 22% (A2)	Unit 3 Exam	1hr Written Exam	22%
Unit 2 Exam	1hr 30mins Written Paper	50% (AS) 22% (A2)	Unit 8	Internal Assignment	16%
			Unit 17	Internal Assignment	16%

Career/Higher Education	Entry Requirements
University courses Apprenticeship Technician	Merit or above in IT qualification. Grade 4 in GCSE English Language and Maths.

“The number one benefit of information technology is that it empowers people to do what they want to do. It lets people be creative. It lets people be productive. It lets people learn things they didn't think they could learn before, and so in a sense it is all about potential.”

Steve Ballmer - Microsoft