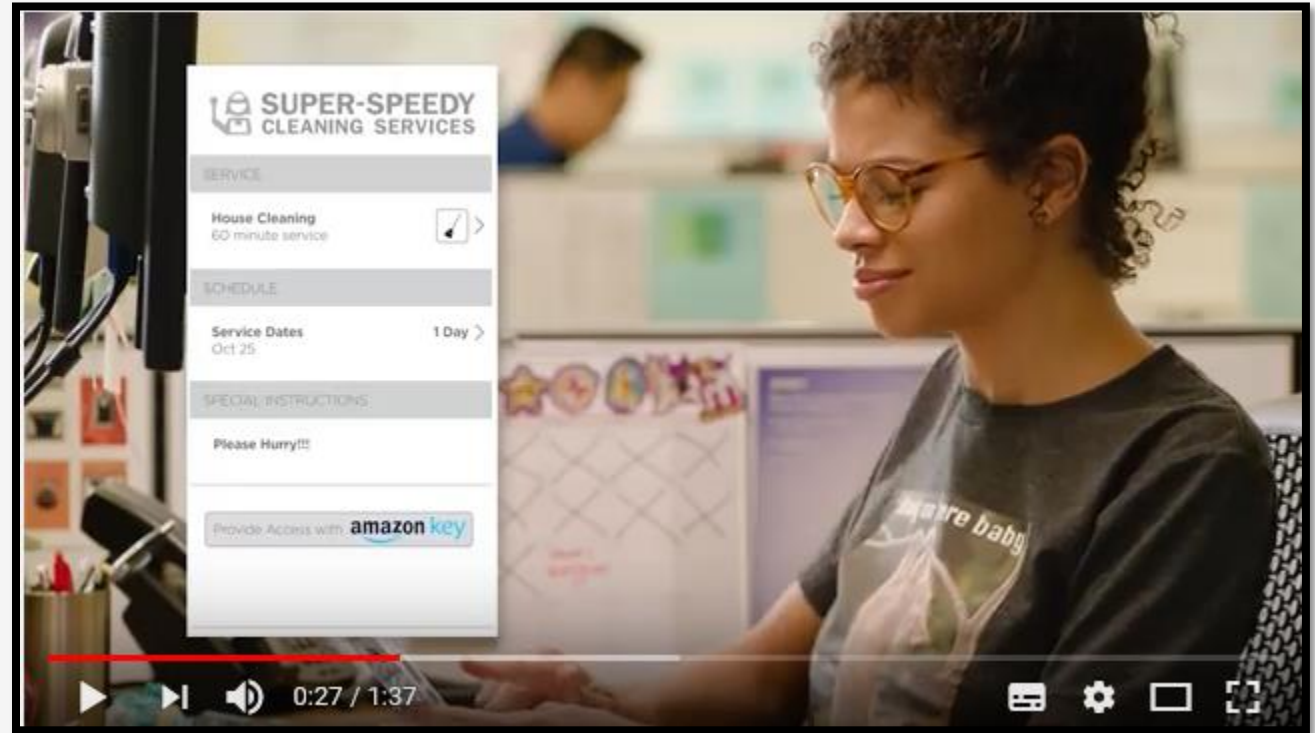


IT

*LEVEL 3 CAMBRIDGE
TECHNICAL EXTENDED
CERTIFICATE*

EXAM BOARD: OCR

Amazon key



What do you think of Amazon Key? Can you think of any potential cyber security issues that could arise from its use?

Overview – Welcome

Course contents

Entry requirements

UCAS

Questions



Course content – 2 year course

Five units to achieve this qualification over 2 years.

There are three mandatory units:

- *Fundamentals of IT - exam*
- *Global information - exam*
- *Cyber security - exam*

The first two mandatory units provide an insight into the IT sector, the pace of technological change, IT infrastructure, the flow of information on a global scale and important legal and security considerations.

The third mandatory unit reflects an important development in the sector around information security and threats such as cyber terrorism.

Then we choose 2 of the 4 optional units:

- *Project management - coursework*
- *Product development - coursework*
- *Systems analysis and design - coursework*
- *Internet of Everything – coursework.*

Exams can be sat more than once.



Unit 3. Cyber Security

Exam sat in January of year 12



Exam 1 hr

Hacking

Viruses

Unauthorised access

Theft of data

Consequences of loss of data

Organised crime

Money laundering

Phishing

Ethics and legalities

Risk management

Preventions e.g firewalls and encryption

Consider the NHS attack in May and how important cyber security is in today's society.



Unit 1. *Fundamentals* *of ICT*

Exam sat in June of year 12

Exam 1hr 30

Hardware and software

Components of a computer

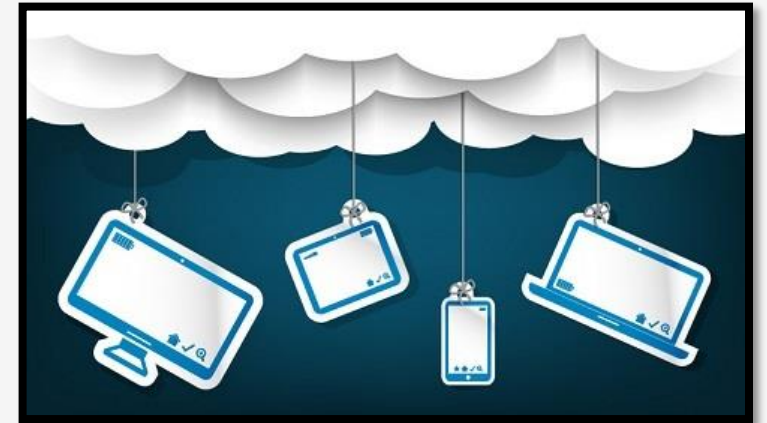
Storage

Internet

Networks

Ethics

Security



Unit 2. Global Information

Exam sat in June of year 12



Exam 1hr 30

Information – where is it?

Portable vs fixed devices

Internet/intranet/extranet

Information on websites Blogs/Social media etc.

Types of data e.g. numerical, date/time, images, videos etc.

Legislations for data around the world

Green IT – environmental issues

Security of data

Why choose IT?



- Achievement of this qualification can support progression to go on and study in a Higher Education institution either on relevant IT degrees such as, Computing and Technology or Business IT or support progression on to other degree courses.
- Most careers use IT in some form.
- Good combination of coursework and exam.

Entry requirements

We require students to have a level 5 (C) in English.
It would be beneficial for students to have studied ICT or Computing for GCSE but **NOT compulsory**.



UCAS Points

- Whilst this is a Cambridge Technical, not a traditional A-level, it is equivalent in terms of UCAS points and how Universities and colleges view it.



In summary



The 2016 suite of the Cambridge Technicals

3 exams

2 pieces of coursework

Exams can be retaken

Builds upon GCSE knowledge (maps well with the Cambridge nationals)

UCAS points equivalent

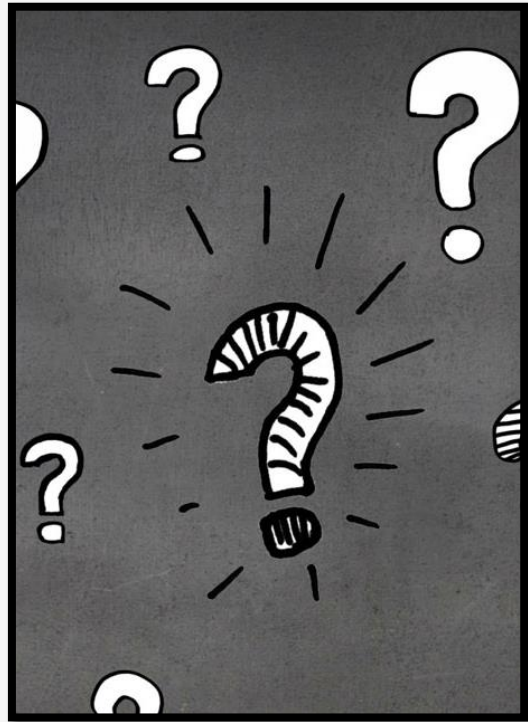
Can stop after year 1 to cash in UCAS points equivalent to AS

Require level 5 (C) in English

Cannot take IT and Computing together.

Questions

Please take a look at the textbook that will be provided for you on this course.



Want to know more? Check out the specification found on the OCR Technicals website [here](#):

