

# INFORMATION TECHNOLOGY (LEVEL 3 CAMBRIDGE TECHNICAL)

## Examination Board: OCR

### Why study Cambridge Technical in IT?

The world in which we live is continuously changing with the advances and developments in IT. Most workplaces rely on computer systems to operate, with our social life, shopping habits and entertainment viewing now largely carried out using technology. The Cambridge Technical in IT looks at interesting and core topics which impact on our society, allowing learners to understand how the growing use of IT affects businesses, education and our home life.

Whilst the Cambridge Technical is a level 3 qualification and not a traditional A-level, it is equivalent in terms of UCAS points and how universities and colleges view it. **The grade scale for this qualification is Distinction\*, Distinction, Merit and Pass. It is an excellent qualification for anyone passionate about IT.**

### Where does it lead?

Achievement of this qualification can enable progression to relevant IT degree courses such as Computing and Technology or Business IT, or support progression on to other degree courses.

Most careers use IT in some form. A qualification in IT might lead to the following specific careers: project manager, network engineer, IT Support, system security, games industry.

### Course Content and Assessment

The course is split into 3 examination units and 2 coursework units. The total maximum mark is 360 credits.

#### Unit 1 – Fundamentals of IT

Written exam (1.5 hours – 90 credits)

This unit looks at the basics of how a computer works. Topics include hardware & software, components of a computer, storage, the internet, networking, ethics, security.

#### Unit 2 – Global information

Written exam (1.5 hours – 90 credits)

This unit focuses on social, moral and legal issues relating to IT. Topics include information – where is it?, portable vs fixed devices, internet/intranet/extranet, websites/blogs/social media, types of data, data legislation around the world, environmental issues, security of data.

#### Unit 3 – Cyber Security

Written exam (1 hour – 60 credits)

This unit looks at the many risks that we are exposed to when using IT systems. Topics include hacking, viruses, unauthorised access, theft of data, consequences of loss of data, organised crime, money laundering, phishing, ethics and legalities, risk management, firewalls and encryption.

#### Unit 4 – Project management

Coursework (60 credits)

This unit will provide you with the opportunity to understand and use various project planning skills and techniques, thereby enabling you to become more effective in the workplace.

#### Unit 5 – The 'Internet of everything'

Coursework (60 credits)

This unit is about the use of the Internet and how it is impacting people and society.

**For further information,  
please contact Mr Phillips**