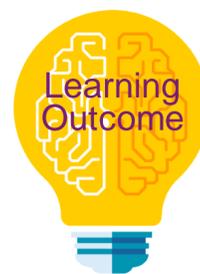


# Cambridge Technical Level 3 in Information Technology (IT)

Year 11

INDUCTION



Understand what the  
Cambridge Technicals is all  
about!

# What is the Level 3 Cambridge Technical in Information Technology?

The CTEC in IT is equivalent to an A Level and worth the same UCAS points. It's designed to be slightly more practical and with more focus on new and online media.

It is modular in construct meaning students have to pass 5 different modules on a variety of media related subjects in order to pass the course as a whole

# Course Structure



UNIT 1 - Examination  
Fundamentals of IT

UNIT 2 - Examination  
Global Information

UNIT 6 - Coursework  
Application Design

UNIT 8 – Coursework  
Project Management

UNIT 9 - Coursework  
Product Development

# Unit 1: Media Products and Audiences

Written examination: 1.5 hour

25% of qualification

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. After completing this unit, the knowledge, skills and understanding your students have developed will underpin their study for the additional units. Knowledge gained in the study of this unit will also help prepare students for relevant industry qualifications such as CompTIA A+, CompTIA Mobility+ and Cisco IT Essentials.

# Unit 2: Pre-Production and Planning

Written examination: 1.5 hours  
25% of qualification

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. Your students will discover that good management of both data and information is essential and that it can give any organisation a competitive edge. This unit will provide students with a greater understanding of how organisations use information sources both internally and externally and the types of information they will encounter. The skills gained by completing this unit will give them knowledge of the functionality of information and how data is stored and processed by organisations. They will also learn about how individuals use information of various types. This unit will help students to understand the legislation and regulation governing information which flows in to and out of an organisation and the constraints and limitations that apply to it. They'll also learn the relationship between data and Information. Knowledge gained in the study of this unit will also help prepare students for relevant industry qualifications such as VM Ware

# Unit 6: Application Guide

Non exam assessment (coursework module)

16.66% of qualification

The world is increasingly reliant on applications that help individuals, business and organisations achieve specific activities or purposes. In this unit your students will explore potential ideas for a new application and develop the fundamental design for it. They will then develop the designs for an application and how users will interact with it. The application that students will design could be for any sector and for any purpose. They will have the opportunity to present their ideas, prototype them and gain feedback before refining their design. Besides the technical knowledge that students will gain about designing an application, they will also learn key transferable skills about liaising with clients, questioning people effectively to gain the information they need to develop successful designs, and presenting their ideas to an audience and getting feedback from them. This unit is mandatory to the Application Developer pathway due to its relevance to the job role of an application developer. The unit supports the development of skills, knowledge and understanding appropriate to a wide range of job roles requiring the development of applications within mobile technology, business software, graphics, games and web design to name but a few.

# Unit 8: Project Management

Non exam assessment (coursework module)

16.66% of qualification

This unit will provide your students with the opportunity to understand and use various project planning skills and techniques, thereby enabling them to become more effective in the workplace. The key to any project being a success is the planning and management that takes place. Project management skills are essential transferable skills that can be used for all projects whether it's traditional methodologies or more recently adopted agile approaches within the IT development environment. These skills can be adapted and used even on the smallest 'tasks' during the planning and implementation stages. Regardless of your job role, you will often be called upon to participate in projects for a wide variety of reasons, consequentially this unit is optional within all four pathways. This unit will assist your students in developing your skills, knowledge and understanding of different project methodologies and the key factors that can influence the success or failure of a project. Knowledge gained in the study of this unit will also help prepare students for relevant industry qualifications such as CompTIA Project+.

# Unit 9: Project Development

## Non exam assessment (coursework module)

### 16.66% of qualification

The purpose of this unit is to prepare your students to undertake product development activities. They will learn about different product design methodologies and the role of the product development life cycle. In addition, they'll discover the factors that influence product developments. The key to any product development being a success is the analysis, client review, design, testing and final acceptance that takes place. The skills that students will learn can be applied to the development of any product, large or small. They will use product development skills and work through the product development life cycle. It is recommended that your students develop a product alongside the other units they are studying so that they can explore the units holistically as a wider project. This will align to their chosen pathway and support progression into their chosen field within the IT industry. Whether you are building a network, developing a website, developing a system for data analytics or creating an Augmented or Virtual Reality resource, they are all products. It is therefore important that your students understand the processes required for the development of products and that they can apply them to a variety of situations. Consequently, this unit is optional within all four specialist pathways.

# Exam Board Links



## OCR IT Brochure

<https://www.ocr.org.uk/qualifications/cambridge-technicals/information-technology/units/#level-3>

## Course Overview

<https://www.ocr.org.uk/Images/260857-cambridge-technicals-it-summary-brochure.pdf>

## Past Exam Papers

<https://www.ocr.org.uk/qualifications/cambridge-technicals/information-technology/assessment/#level-3>

# Open Learn – Summer Tasks

There are lots of extended reading around IT, being embedded into our everyday life. Here are some interesting topics which will give you the back ground learning and enable you to develop the skills needed to get ahead for IT at Cardinal Langley in September.

Sign up to Open learn, the courses are free  
<https://www.open.edu/openlearn/>

e

**Digital literacy: succeeding in a digital world:** <https://www.open.edu/openlearn/education-development/digital-literacy-succeeding-digital-world/content-section-overview?active-tab=description-tab>

**Internet of everything:** <https://www.open.edu/openlearn/science-maths-technology/internet-everything/content-section-overview?active-tab=description-tab>

**Introducing ICT systems:** <https://www.open.edu/openlearn/science-maths-technology/computing-ict/introducing-ict-systems/content-section-0?active-tab=description-tab>

**An introduction to interaction design:** <https://www.open.edu/openlearn/science-maths-technology/introduction-interaction-design/content-section-0?active-tab=description-tab>

# Moving Forward.....

Thankyou for being interested in A level IT at Cardinal Langley. If you need any help, assistance or further information please do not hesitate to contact me.

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