

# IT - Cambridge National

## Why study ICT?

Good use of Information Technology is an essential part of any successful business. It enables creative and collaborative working, solving of problems and use of the best techniques and technologies to communicate meaningful information, manage successful projects and deliver software solutions which meets customers' needs.

## What you will learn?

The course is broken down into the following areas:

- Project management - Project initiation, planning and review for a exam board given purpose.
- Effective use of Business Software - to manage & analyse data.
- Creating an Augmented Reality prototype - Designing, creating and evaluation of an Augmented Reality prototype that you will create to the exam boards specification.
- Solving problems by exploring different software application tools and techniques to create IT solutions and digital products.

## How can I use what I learn in ICT?

IT covers a wide range of topics that are designed to prepare you for success in whatever path you take by providing you with key IT skills that have been identified by leading businesses in the IT sector. IT is a subject that will help support your work in a range of subjects, as well as prepare you well for the use of IT in education and future career choices.

## Will I be good at ICT?

You will need to have an interest in how ICT is used in a business setting and new developments in the IT sector. IT suits people who have a wide range of interests and understand how important their IT ability will be in a range of different possible future careers. IT suits a wide range of learners and can be customised to include projects that suit your own strengths.

## Is it different from Computing?

Very different. This qualification which will raise your confidence in using IT and plugs the potential gaps in digital skills and knowledge not covered by studying computing. You will gain the right combination of knowledge, understanding and skills required for the 21st century.

## ASSESSMENT

Exam Board – OCR Syllabus – Level 2 IT Assessment - 1 x exam and 2 x practical projects

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## Course content

### R050: IT in the digital world

Assessed by an exam

#### What you will learn

An understanding of different technologies (hardware and software applications), and tools and techniques used to select, store, manipulate and present data and information.

This qualification will enable you to learn about the different design tools that can be used, the principles of human computer interfaces and the use of data and testing when creating IT solutions or products. You will also understand the uses of Internet of Everything and the application of this in everyday life.

### R060: Data manipulation using spreadsheets

Assessed by a coursework

#### What you will learn

In this unit you will learn how to plan, design, create, test and evaluate a data manipulation spreadsheet solution to meet client's requirements. You will be able to evaluate your solution based on the user requirements. Topics include:

- o Planning and designing the spreadsheet solution
- o Creating the spreadsheet solution
- o Testing the spreadsheet solution
- o Evaluating the spreadsheet solution.



### R070: Using Augmented Reality to present information

Assessed by a coursework

#### What you will learn

In this unit you will learn how to design, create, test and review an Augmented Reality model prototype to meet a client's requirements. Topics include:

- o Augmented Reality (AR)
- o Designing an Augmented Reality (AR) model prototype
- o Creating an Augmented Reality (AR) model prototype
- o Testing and reviewing.



You will develop the knowledge and skills relating to the purpose, use and types of Augmented Reality (AR) in different contexts and how it is used on different digital devices. You will develop the skills to design, create, test and review an AR model prototype.

**Contact:** Mr S Lang, Curriculum Team Leader for Computing & ICT