Information Technology

Cambridge National	Level 1/Level 2 Pass, Merit, Distinction	OCR

Who is this course aimed at?	This qualification will teach the learner about different technologies that can be used, why they should use them and how to make best use of them, to gather, store, manipulate and present data. You will learn about tools and techniques for use in different digital hardware and software technologies, and how these can be integrated to create digital solutions to manage and communicate data and information. You will also be taught about the legal, ethical and moral considerations when using technology to gather, store and present data and information, and how to mitigate the risks of cyber-attacks.
How will I be assessed?	The course is assessed through one exam and two exam board set pieces of coursework (controlled assessment).
Will I enjoy the course?	You are most likely to enjoy this course if you want to extend your knowledge of computers, how they work, the software available and how they are used in real life. It will give you a good grounding in skills that will be useful whether you go out to work or into further education.
What will be expected of me?	Students are expected to attend all lessons, complete all tasks set in class, complete home learning to the best of their ability, be prepared to work hard as an independent learner as well as part of a team, always give 100% and be a positive, proactive member of the class.

What will I study?

RO50—IT in the Digital World (Exam)

You will learn about design and testing concepts for creating an IT solution or product, and the uses of IT in the digital world.

Topics include:
- Design Tools
- Human Computer Interface (HCI) in everyday life
- Data and testing
- Cyber-security and legislation
- Digital Communications
- Internet of Everything (IoE)

RO60—Data Manipulation using Spreadsheets (Coursework)

In this unit you will learn how to plan, design, create, test and evaluate a data manipulation spreadsheet solution to meet client's requirements.

Topics include:
- Planning and designing the spreadsheet solution
- Creating the spreadsheet solution
- Testing the spreadsheet solution
- Evaluating the spreadsheet solution

RO70—Using Augmented Reality to present Information (Coursework)

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