



## Information Technology

Cambridge National

Level 1/Level 2 Pass, Merit, Distinction

OCR

**Who is this course aimed at?**

This qualification will teach the learner what different technologies could be used, why they should use them and how to make best use of them, to gather, store, manipulate and present data; this is known as data management. They 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. They will also be taught what data and information are and 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. Through this qualification they will be able to select and use the most appropriate technology safely and effectively, to complete a data management task, such as a cable TV provider monitoring customers' viewing to make recommendations for additional packages in the customer's subscription.

**How will I be assessed?**

The course is assessed through one on-line exam and one exam board set piece of coursework.

**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 110% and be a positive, proactive member of the class.

### What will I study?

**RO12—Understanding tools and techniques for technological solutions (Exam)**

Learners will sit an exam to assess their knowledge and understanding of different technologies (hardware and software applications), and tools and techniques used to select, store, manipulate and present data and information. Using their understanding of the project life cycle, together with their knowledge of various information technologies, they will be prepared to develop technological solutions. They will understand the different risks associated with the collection, storage and use of data and how the legal, moral, ethical and security issues can have an impact on organisations and individuals., as well as how such risks can be mitigated. This knowledge and understanding will help them to make decisions and appropriate choices when developing a technological solution.

**RO13—Developing Technological solutions (Coursework)**

They will be given a project to develop a technological solution and will focus on how effectively they use their skills. They will follow the project life cycle phases, demonstrating the practical skills they have acquired. They will use different hardware and software technologies. The knowledge and understanding in this qualification will help them to make appropriate choices and decisions about the technological solution(s) they will develop. The skills in the qualification will help them to work effectively when developing a solution. Considering how their understanding can help them use their skills and how using their skills can improve their understanding, will help learners succeed in this qualification.