

# Subject: Information Technologies Level 1 or 2 Certificate – Cambridge Nationals

Optional

## What is the course about?

This is a vocational technical qualification designed for students who wish to develop knowledge and practical skills in using information technologies. Students learn through practical activities, developing transferable skills like problem solving. Students will learn the skills for effective Data Manipulation and Project Management leading to success in employment and higher education. Students will create a range of creative products to solve real world data problems.



## What topics will I study? The course is split into two units:

### Understanding tools, techniques, methods and processes for technological solutions

This is where you will learn about hardware and software applications • Data Manipulation tools and techniques • Project Life Cycle – phases, interaction, inputs and outputs • Risks, legal moral, ethical and security issues. This unit is assessed through one written exam which lasts for 45 minutes and is worth 80 marks. It assesses student's understanding of tools, techniques, methods and processes for technological solutions.

### Developing technological solutions

This is where you use your learnt skills to develop creative technological solution to a real world problem. You will follow a project life cycle and demonstrate skills such as SWOT analysis, GANTT charts, data collection and presenting data. You will use hardware and software to create an integrated technological solution for data processing and communication of information. This is the coursework unit and will be an assignment to assess your ability to develop a technological solution to a real world problem. This assignment is set by the exam board, marked by teachers and moderated by the exam board.

## What percentage of the final grade is from coursework?

Coursework will account for 50% of the final grade in this qualification.

## What about after Key Stage 4? (Careers and College)

Students who want to progress onto other related study, such as qualifications in IT, Digital Media or Computer Science.

## Exam board and useful website?

OCR - <https://www.ocr.org.uk/qualifications/cambridge-nationals/information-technologies-level-1-2-j808/>

