

**Information Technology (Level 2 Cambridge National)
Examination Board: OCR**

What is the course like?

Cambridge National in IT will inspire and equip students with the confidence to use skills that are relevant to the IT sector and more widely. The qualification is split into three different units which cover a range of key IT theory, Spreadsheet skills, and learning how to develop an augmented reality product. Pupils will complete two controlled assessment units during the course which are completed during lesson time. There is also an exam which pupils sit at the end of year 11 covering topics such as hardware/software, design tools and cyber security. The IT qualification is a very practical subject due to controlled assessment elements and is a great choice for pupils who are creative, motivated, and independent. The perfect choice for pupils who enjoyed the practical side of KS3 IT.

What is studied during the course?

- Learn about design tools such as flowcharts, mind maps and wireframes
- Learn about Human Computer Interfaces (HCIs) and how they are used in everyday life
- Understand the purpose of data and how this can be turned into information
- Learn how data can be used, collected and stored
- Look at different cyber security threats and legislation related to IT
- Learn about 'The Internet of Everything' and how this is shaping the world we live in
- Learn how to create effective Spreadsheet models
- Learn how to build an Augmented Reality product

How is the course assessed?

The course is split into three different units which are all equally weighted.

Unit R050 - IT in the digital world – (Written Exam sat at the end of Year 11)

Unit R060 – Data manipulation using Spreadsheets (Controlled assessment task)

Unit R070 – Using Augmented reality to present information (Controlled assessment task)

Each coursework unit is intended to take 10 hours (completed in lesson time) with time spent preparing pupils with the skills needed to complete the assessment. Theory content will be taught to pupils during Year 10 and Year 11 which will be assessed in the exam unit (R050) at the end of Year 11.

Additional information

- The skills learnt through this qualification are relevant to the wider world and will equip learners with both knowledge and software skills that can be used in the workplace
- This is an exciting qualification for pupils who enjoy using a computer to complete tasks and produce digital solutions
- The course maps well with the Cambridge Technicals in IT qualification taught at sixth form, whilst also supporting other A-level qualifications such as Business and Geography
- The course will support pupil's progression into employment through apprenticeships in areas such as Digital Marketer or Business Administrator
- The course will give pupils a wider understanding of how IT is used in the real world.

For more information, please contact Mr Phillips.