



# Computing

## Cambridge Advanced National in Computing

**Subject** Cambridge Advanced National in Computing: Application Development

**Exam Board** OCR

**Specification Numbers** 610/3975/5 (Extended Certificate)

**Teacher Responsible** Mrs Barker & Mr Thorpe

**Introduction** This new qualification offers learners the opportunity to develop key knowledge, skills, and understanding of Computing and Information Technology, tailored for the modern technological world. It emphasises practical, real-world applications, focusing on areas such as app, website, and game development. This course equips students to confidently pursue a degree or career in Computing, IT, or related fields.

**Aims of the Course** The qualification aims to develop your knowledge, understanding, and skills in application development and computing. You will gain an insight into the IT and computing sectors by investigating the stages of software application development, the principles of UX/UI design, and the importance of secure and ethical practices. This qualification emphasises practical application, enabling you to:

- Design and create applications for different platforms, including websites, games, and immersive technology.
- Develop skills in problem-solving, project planning, and teamwork, which are essential for real-world IT environments.
- Use IT tools and techniques to analyse data, meet client requirements, and present solutions effectively.
- This qualification is designed to provide you with specialist knowledge and transferable skills to progress to an apprenticeship, move directly into employment, or pursue a related Higher Education (HE) course.

**How You Are Assessed** The Cambridge Advanced National in Computing: Application Development consists of five units, including two externally assessed exams and three non-examined assessment (NEA) units:

**Year 12:** Unit F160: Fundamentals of Application Development (Exam) F161: Developing Application Software (Exam), Unit F162: Designing and Communicating UX/UI Solutions (Coursework)

**Year 13:** Two Optional Units (Coursework): Options include Game Development, Website Development, Immersive Technology Solution Development, or Software Development.

**Links to Future Careers** Software Developer, User Experience Designer, IT Support Technician, Data Analyst, Web and Mobile Application Developer

### Entry Requirement

Grade 4 in GCSE Computer Science or a Level 2 Merit in Cambridge Nationals Creative iMedia