

## Information Technology

**Course Title: Cambridge National in IT Level 1 / 2 J836**

**Exam Board: OCR**

**Specification code: 603/7115/8**

### How will students be assessed?

#### **R050 - IT in the digital world -**

Written examination (end of Year 11) **1hr 30mins** worth 40% of the overall qualification

#### **R060 - Data manipulation using spreadsheets**

NEA of 10-12 hours - internal assessment, worth 30% of the overall qualification (Year 10)

#### **R070 - Using Augmented Reality to present information (Year 11)**

NEA of 10-12 hours - internal assessment, worth 30% of the overall qualification

### Key Content

**Half term 1** - Introduction to the course - **Unit R050** - IT in the Digital World - Topic 3.1 Data, data types, the use of data and relationship between data and information and 3.2 data in different contexts  
Topic 2 - Human Computer Interfaces in everyday life - the purpose of HCI's, their importance, hardware and software considerations and interfaces, Topic 3.1-3.4 - Data, data use and in different contexts, validation and verification - this will be taught as project based lessons, Topic 5.1 - Introduction to Digital Devices & 5.3 types of digital devices \*\* elements of topic 1.1 design tools are discretely taught in these lessons within activities

**Half term 2** - Topic 1.1 Types of design tools and the software used to create these, original documents, suitability and context, Topic 5.5 Audience and demographics, Topic 5.1 Digital Communications, the different types, Topic 5.2 software used to create digital communications, Topic 5.3 recap on digital devices, Topic 5.4 distribution channels, characteristics, connectivity and suitability  
\*\* elements of topic 1.1 design tools are discretely taught in these lessons within activities

**Half term 3** - Topic 3.3 Data collection methods (primary & secondary) purpose, benefits and drawbacks, Topic 3.4 Storage and collection of data -types of storage locations, characteristics, benefits and drawbacks, Topic 3.5 Application of testing to a range of contexts - purpose of testing, test data, types of testing, technical testing and user testing. Revision of prior topics, mind maps, flashcards and exam style questions

**Spreadsheet skills, range of scenarios and practice NEA topics**, this will encompass above topics interleaving knowledge and skills acquired in previous lessons and using 1.1 design tools and spreadsheet software

**Half term 4 - Unit R060** - Students start NEA - Data Manipulation using spreadsheet  
This will be preceded with additional teaching and practical spreadsheet skills before the NEA commences

**NEA - Part 1** - Data Manipulation using spreadsheets - planning and designing the spreadsheet solution, creating the spreadsheet solution

**Half term 5 - NEA - Part 2** - R060- Data Manipulation using spreadsheets - creating the spreadsheet solution, testing the solution, evaluating the solution

**Half term 6 - Revision of R050 for end of Year 10 mock exam**

#### **Mock exam feedback and review**

Introduction to Augmented Reality, purpose, uses, sectors using AR and software used to create AR practice and introducing to practice NEA assignment