

Information Technology – Year 11

Course Title: Cambridge National in IT Level 1 / 2 J836	Exam Board: OCR	Specification code: 603/7115/8
<p>How will students be assessed?</p> <p>ASSESSMENT:</p> <p>R050 – IT in the digital world – Written examination (end of Year 11) 1hr 30mins worth 40% of the overall qualification</p> <p>R060 – Data manipulation using spreadsheets NEA of 10–12 hours – internal assessment, worth 30% of the overall qualification</p> <p>R070 – Using Augmented Reality to present information NEA of 10–12 hours – internal assessment , worth 30% of the overall qualification</p> <p>Key Events: NEA R060 Summer Year 10. NEA R070 completed within Year 11 and R050 (Exam) Summer of Year 11</p>		

Key Content
<p>Term 1 – Unit R060: Students start NEA – Data Manipulation using spreadsheet This will be preceded with additional teaching and practical spreadsheet skills before the NEA commences</p> <p>NEA – Task 1& 2 – Data Manipulation using spreadsheets – planning and designing the spreadsheet solution, creating the spreadsheet solution</p>
<p>Term 2 – Completion of R060 R060– Task 2 Creating the spreadsheet solution, testing the solution, evaluating the solution Converting file types and NEA processes/documentation NEA (12 hours)</p> <p>R050 IT in the digital world Topic 5: Distribution channels and connectivity methods used to distribute data Topic 3.4 Storage and collection of data –types of storage locations, characteristics, benefits and drawbacks Revision of R050 content from Year 10 (Topic 1. Design tools, Topic 2 HCI's, Topic 3 Data & Testing, Topic 5. Digital communications)</p> <p>Exam technique – improving approach to questions and focus on IT specific language and context</p> <p>Revision mind maps and revision materials</p> <p>Mock exam R050: IT in the digital world – December mock exam period</p>
<p>Mock Exam feedback</p> <p>Exam technique – Exam style questions based on planning tools and contextual questions</p> <p>Term 3 – IT in the digital world Topic 4 Cyber security and legislation</p>

Topic 4.1 Types of threats

Topic 4.2 Impacts of cyber security attacks

Topic 4.3 Physical and logical prevention measures and secure destruction of data

Topic 4.4 Legislation related to use of IT systems

Revision mind maps and materials & target setting

Term 4: R050 IT in the digital world

Topic 6 Internet of Everything –meaning and use of IoE, the four pillars, interaction between four pillars, application areas in everyday life, purpose, benefits and drawbacks, suitability and security issues

6.1 Use of IoE

6.2 Application areas in everyday life

Revision of Topic areas covered in Year 10 with practice papers and focus on revision techniques and exam technique

Revision mind maps and flash cards & Practice Papers & improving use of subject specific language

Term 5: Revise topics 1–5 for R050 Exam, improving exam technique and using practice exam papers:

Topic Area 1: Design tools, Topic Area 2: Human Computer Interface (HCI) in everyday life

Topic Area 3: Data and testing, Topic Area 4: Cyber-security and legislation, Topic Area 5: Digital communications