

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 **1hr 30mins** worth 40% of the overall qualification

R060 – Data manipulation using spreadsheets (Exam Jan of Year 11)

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

Revision notes/mind maps and flash cards & practice exam questions

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

Revision notes/mind maps and flash cards & practice exam questions

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**

Introduction to Augmented reality, software to create AR and practice NEA assignment, this will encompass above topics interleaving knowledge and skills acquired in previous lessons and using 1.1 design tools to plan an Augmented Reality solution

Half term 4 – Unit R070 – Students start NEA Task 1 – Augmented Reality set assignment

This will be preceded with additional teaching and practical software skills before the NEA commences

NEA – Part 1 – Designing the Augmented Reality Solution – planning and designing the solution to meet the clients requirements and using the pre-defined assets.

Half term 5 – NEA – Part 2 – Using Augmented Reality to present information– creating the Augmented Reality solution, following designs, testing the solution, evaluating the solution
Converting file types and NEA processes/documentation

Organisation of revision materials for Year 10 Mock exam and practice of exam command words

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

Mock exam feedback and review

Introduction to Data Handling and Spreadsheets, purpose, uses, design of spreadsheet, formulae, features and software skills . **Catch up missed Theory work due to any unexpected changes in curriculum delivery**