Year 11 Cambridge National IT	**Curriculum Intent:** Students will learn about the project lifecycle and use it to create an IT system for a given scenario. The course is split into two parts, each of which contributes to 50% of the final course grade. - R012 – Understanding tools, techniques, methods and processes for technological solutions - R013 – Developing technological solutions R012 is assessed via a written exam and R013 is a coursework unit progressed over a number of lessons in Year 11. Students will be given the opportunity to learn how to use advanced techniques in software applications including MS Excel and Access.	

Cambridge National IT Y10:	Term 1:	Term 2:	Term 3
Topic Titles (in order of delivery)	Applications refresh – spreadsheets/databases R013 coursework project: - LO2 - To be able to initiate and plan a solution to meet an identified need - LO5 - To be able to import and manipulate data to develop a solution to meet an identified need	R013 coursework project: - LO5 - To be able to import and manipulate data to develop a solution to meet an identified need - LO7 - To be able to select and present information in the development of the solution to meet an identified need - LO8 - To be able to iteratively review and evaluate the development of the solution R012 revision in preparation for exam resit	R012 revision in preparation for exam resit: LO6 - Understand the different methods of processing data and presenting information
Key knowledge / Retrieval topics **Understanding / Sequence of delivery**	- How to initiate a project by analysing the requirements to a given context (LO2). - How to mitigate risks through the planning process (LO2). - Creating planning documentation using appropriate technology and planning tools (LO2). - How to undertake iterative testing (LO2). - How to create, edit, delete and process data using appropriate software tools and techniques, using spreadsheet and database software (LO5). - How to carry out and document an iterative review (LO8): - Phase review	- How to create, edit, delete and process data using appropriate software tools and techniques, using spreadsheet and database software (LO5). - How to select and extract data for an identified need (LO7). - How to carry out and document an iterative review (LO8): - Phase review - Final review R012 revision of: - LO1: Understand the tools and techniques that can be used to initiate and plan solutions - LO3: Understand how data and information can be collected, stored and used	- Selection and justification of the appropriate software tools and techniques to process data to meet the defined objectives in a given context (LO6). - Selection of the appropriate software tools and techniques to present information to meet the defined objectives in a given context. Justification of the use of the selected tool and format (LO6). - The purpose and suitability of methods of presenting information (LO6). - The advantages and disadvantages of methods used for presenting information (LO6). - The resources required for presenting information and the appropriateness of the use of these in context (LO6).

		o LO4: Understand the factors to be considered when collecting and processing data and storing data/information	
Assessments	• Coursework phase submissions • R012 PPE	• Coursework Completion	