


J836 Cambridge Nationals Information Technologies.	Curriculum Intent: OCR J836 Cambridge National in IT will encourage students to: <ul style="list-style-type: none"> • understand and apply the fundamental principles and concepts of IT, including the use of IT in the digital world, Internet of Everything, data manipulation and Augmented Reality • understand, apply and use IT appropriately and effectively for the purpose and audience • develop learning and practical skills that can be applied to real-life contexts and work situations • think creatively, innovatively, analytically, logically and critically • develop independence and confidence in using skills that would be relevant to the IT sector and more widely • plan, design, create, test and evaluate/review IT solutions and products which are fit for purpose and meeting user/client requirements and apply design and Human Computer Interface (HCI) considerations appropriate for a defined audience • understand the impacts of digital technologies on the individual, organisation and wider society. 			
Year 9 Information Technologies.	Term 1:	Term 2:	Term 3	
Topic Titles (in order of delivery)	The Human Computer Interface (HIC)	Creating a Human Computer Interface – Excel guided project	Designing a HCI – Guided mini project Design	
Key knowledge / Retrieval topics	HCI – What is it. HCI Design	Application of basic and advanced Excel skills (including macros)	Meeting a brief Making choices to meet requirements	
Understanding / Sequence of delivery	1 Design Tools - use and purpose, context 2.1 HCI In everyday life 2.4 Ways humans interact with computers 2.2 HCI Hardware considerations 2.3 Software Considerations 2.4 Design tools 2.4.1: Mindmaps, visualisation diagrams, wireframes, flowcharts	Basic Excel skills (formatting, basic functions and formulas, absolute / relative references) 3.2.1 data types 3.2.2 Validation / verification 3.2.3 Data validation tools 3.2.4 Data Verification tools 3.3 Data collection methods 3.4 Data storage methods 3.5 Testing a solution 3.5.1. Importance 3.5.2. test data 3.5.2 User vs technical testing	Mini-guided Project - design / plan and develop - range of skills - own choices / decisions - following a brief Revision for PPE Excel Skills - Charts - Lists - Reports - Invoices - Worksheets	
Assessments	End of Unt assessment	Completion of the project to client requirements	Guided project.	