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| **Year 11 Term 1 – Term 3**  **Cambridge Nationals in IT (Legacy)** | Our mission is to stimulate and challenge our students to excel and provide a desire for lifelong learning and pursue careers in the world of Business, Computing, and ICT. | | | | | |
| **Enquiry Questions: How do you initiate, plan, execute and evaluate a project with the use of IT?** | | | | | | |
| **Unit 1: R012 Understanding tools, techniques, methods and processes for technological solutions**  Description | | | | | | |
| **Knowledge**  Students will know about… | **Application/Skills**  Students will be able to… | **Vocabulary** | **Home Learning** | **Assessment** | **Extra Resources**  **Extended Reading** | **Cultural Capital** |
| * What the phases of the project life cycle are, the interaction between the phases and the inputs and outputs within each phase. * Understand how data and information can be collected, stored and used * Understand the factors to be considered when collecting and processing data and storing data/information | Using the understanding of the project life cycle, together with their knowledge of various information technologies, they will be prepared to develop technological solutions.  Use a range of tools and techniques to select, store, manipulate and present data and information.  Identify how the legal, moral, ethical and security issues can have an impact on organisations and individuals and also how such risks can be mitigated. | * Initiation, * Planning, * Execution * Evaluation. * SMART objectives * Planning tools * Data and Information * Data Types * Validations and verifications. * Primary and Secondary sources * Impact of a cyber-security attack, Types of threats, IT legislations | High quality Homework set on Google Classrooms  Teach-ICT.com | Practice Exam Papers  PPE2 & PPE3 Exams  Controlled Assessment of Coursework | [Teach-ICT.com](https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html)  BBC Bitesize  Hodder Education – Revision Book Cambridge National in IT | The National Science Museum (free events)  <https://www.sciencemuseum.org.uk/>  The Royal Institute of Science (free events)  <https://www.rigb.org/families/family-fun-days>  **National Museum of Computing, Bletchley Park (Near Milton Keynes)**  <http://www.tnmoc.org/>    Centre for Computing History, Cambridge  <http://www.computinghistory.org.uk/> |