

Information Technologies Cambridge National level 2 Rationale

YEAR 10	Content	Skills
Autumn Term 1	<p>Stages of the Project Life Cycle and the tasks carried out at each stage</p> <p>Interaction between each stage of the cycle</p> <p>Project Considerations</p> <p>Analysis of requirements in a given context.</p> <p>Creating, editing and deleting data using appropriate software tools and techniques.</p>	<p>Create planning documentation for a project</p> <p>Identify most suitable software to produce documentation</p> <p>Identify prevention measures</p> <p>Relate current legislation and the implications of it in a project</p> <p>Using the planning process, mitigate risks in a project through planning</p>
Autumn Term 2	<p>Risk Management - Identify measures that can be put in place to prevent data loss</p> <p>Emerging technologies and the way they may be used to prevent data loss.</p> <p>Legislation & its implications, the protection that each law provides to data subjects</p> <p>Mitigation of risks in a project</p> <p>Project Planning Tools</p> <p>Project Documentation</p> <p>Iterative Testing</p> <p>Iterative Phase Review</p> <p>Data and Information - structure and context of</p>	<p>Identify different types of biometric devices, their advantages and disadvantages and where they may be used.</p> <p>Describe examples of where biometric systems have been or are being used around us.</p> <p>Study of the laws that must be adhered to</p> <p>Look at project risks and how they can be reduced</p> <p>Use of specific tools and the software we create them in to plan a project. Scenario used to create planning documentation.</p> <p>Identification of where in the project life cycle each document will be used.</p> <p>Using MS Access in a project context</p> <p>Create and edit data using MS Access</p>

YEAR 11	Content	Skills
Autumn Term 1	<p>Initiation and Planning of a Project - set assignment to be completed.</p> <p>Data will be created and edited to meet defined objectives contained in a brief.</p>	<p>Pupils will undertake a practice Controlled Assessment in order to gain an understanding of how to use the Project Life Cycle effectively during a project.</p>
Autumn Term 2	<p>Execution of project plan to take place.</p> <p>Prototype produced and evaluated.</p> <p>Controlled Assessment released - pupils will develop a working solution in Exam conditions throughout the Spring term.</p>	<p>Practical element of project carried out where pupils will develop a working solution to satisfy the requirements of the brief.</p> <p>Using a range of tools and software choices.</p>
Spring Term 1		
Spring Term 2		
Summer Term 1	<p>Preparation for any Resit exams.</p> <p>*Course finishes at the end of half term.</p>	

