


<b>Year 10 Cambridge National IT</b>	<b>Curriculum Intent:</b> 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: <ul style="list-style-type: none"> <li>• R012 – Understanding tools, techniques, methods and processes for technological solutions</li> <li>• R013 – Developing technological solutions</li> </ul> R012 is assessed via a written exam and R013 is a coursework unit progressed over a number of lessons in Year 11. In Year 10 students will cover the theory for the exam They will be given the opportunity to learn how to use advanced techniques in software applications including MS Excel and Access.			
<b>Cambridge National IT Y10:</b>	<b>Term 1:</b>	<b>Term 2:</b>	<b>Term 3</b>	
<b>Topic Titles (in order of delivery)</b>	<ul style="list-style-type: none"> <li>• R012 LO6 - Understand the different methods of processing data and presenting information</li> </ul> Practice coursework project 1: <ul style="list-style-type: none"> <li>• R013 LO2 - To be able to initiate and plan a solution to meet an identified need</li> </ul>	Practice coursework project 1: <ul style="list-style-type: none"> <li>• R013 LO5 - To be able to import and manipulate data to develop a solution to meet an identified need</li> <li>• R013 LO7 - To be able to select and present information in the development of the solution to meet an identified need</li> </ul> <ul style="list-style-type: none"> <li>• R012 revision in preparation for exam</li> </ul>	Practice coursework project 2: <ul style="list-style-type: none"> <li>• R013 LO2 - To be able to initiate and plan a solution to meet an identified need</li> <li>• R013 LO5 - To be able to import and manipulate data to develop a solution to meet an identified need</li> <li>• R013 LO7 - To be able to select and present information in the development of the solution to meet an identified need</li> <li>• R013 LO8 - To be able to iteratively review and evaluate the development of the solution</li> </ul>	
<b>Key knowledge / Retrieval topics</b>	<ul style="list-style-type: none"> <li>• Selection and justification of the appropriate software tools and techniques to process data to meet the defined objectives in a given context (LO6).</li> <li>• 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).</li> <li>• The purpose and suitability of methods of presenting information (LO6).</li> <li>• The advantages and disadvantages of methods used for presenting information (LO6).</li> </ul>	<ul style="list-style-type: none"> <li>• How to select and extract data for an identified need (LO7).</li> <li>• How to undertake iterative testing (LO2).</li> <li>• How to create, edit, delete and process data using appropriate software tools and techniques, using spreadsheet and database software (LO5).</li> <li>• R012 revision of:             <ul style="list-style-type: none"> <li>○ LO1: Understand the tools and techniques that can be used to initiate and plan solutions</li> <li>○ LO3: Understand how data and information can be collected, stored and used</li> <li>○ LO4: Understand the factors to be considered when collecting and processing data and storing data/information</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• How to initiate a project by analysing the requirements to a given context (LO2).</li> <li>• How to mitigate risks through the planning process (LO2).</li> <li>• Creating planning documentation using appropriate technology and planning tools (LO2).</li> <li>• How to select and extract data for an identified need (LO7).</li> <li>• How to create, edit, delete and process data using appropriate software tools and techniques, using spreadsheet and database software (LO5).</li> </ul>	

	<ul style="list-style-type: none"> <li>• The resources required for presenting information and the appropriateness of the use of these in context (LO6).</li> <li>• How to initiate a project by analysing the requirements to a given context (LO2).</li> <li>• How to mitigate risks through the planning process (LO2).</li> <li>• Creating planning documentation using appropriate technology and planning tools (LO2).</li> </ul>	<ul style="list-style-type: none"> <li>○ LO6: Understand the different methods of processing data and presenting information.</li> </ul>	<ul style="list-style-type: none"> <li>• How to present information using appropriate software tools and techniques (LO7).</li> <li>• How to undertake iterative testing (LO2).</li> <li>• How to carry out and document an iterative review (LO8): <ul style="list-style-type: none"> <li>○ Phase review</li> <li>○ Final review</li> </ul> </li> </ul>
<b>Understanding / Sequence of delivery</b>	<ul style="list-style-type: none"> <li>•</li> </ul>		
<b>Assessments</b>	<ul style="list-style-type: none"> <li>• R012 LO6 CAT</li> </ul>	<ul style="list-style-type: none"> <li>• Practice project 1 coursework assessment</li> <li>• R012 PPE</li> </ul>	<ul style="list-style-type: none"> <li>• Practice project 2 coursework assessment</li> </ul>