

## GSA Curriculum Map 2021 - 2022: ICT, Business and Computing

We aim to develop students into digitally literate individuals who:

- are equipped with sound ICT skills for everyday use and provide opportunities to develop in context those desirable, transferable skills such as planning, research and analysis, working with others or communicating technical concepts effectively.
- acquire knowledge about tools and techniques for use in different digital hardware and software technologies
- understand the need to follow a project life cycle of initiation, planning, execution and evaluation to complete a data management task and use their skills, knowledge and understanding of technology to complete each of the phases of the project life cycle

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 11						
Subject	Cambridge National in IT					
Topics	<p>Learning Outcome 5: To be able to import and manipulate data to develop a solution to meet an identified need</p> <p><b>R012 Revision:</b> Learning Outcome 1: Understand the tools and techniques that can be used to initiate and plan solutions</p> <p>Learning Outcome 3: Understand how data and information can be collected, stored and used</p> <p>(R012 LO Revision can be spread across Autumn/Spring, if examination terminal)</p>	<p>Learning Outcome 5: To be able to import and manipulate data to develop a solution to meet an identified need</p> <p><b>R012 Revision:</b> Learning Outcome 4: Understand the factors to be considered when collecting and processing data and storing data/information</p> <p>Learning Outcome 6: Understand the different methods of processing data and presenting information</p>	<p>Learning Outcome 7: To be able to select and present information in the development of the solution to meet an identified need</p> <p>Learning Outcome 8: To be able to iteratively review and evaluate the development of the solution</p>	<p>(RECAP) Learning Outcome 2: To be able to initiate and plan a solution to meet an identified need</p> <p>Time-permitting: Skills Builder/Sample Assignment Practice</p>	<p>R013 NEA</p> <p>Initiate and Plan Execute Communicate Evaluation (Iterative review and final evaluation)</p> <p>(Approximately 20 hours attributed to)</p>	<p>STUDY LEAVE</p>
Skills	<p>Create, edit, delete and process data using appropriate software tools and techniques including spreadsheet software and database software</p>		<p>Be able to select, use and integrate appropriate software tools and techniques to present integrated information accurately and appropriately to an intended audience</p> <p>Be able to carry out a detailed review of their project during/after:</p> <ul style="list-style-type: none"> <li>• development of the data handling aspect of the project</li> <li>• development of the communication aspect of the</li> </ul>		<p>Understand the tools and techniques that can be used to initiate and plan solutions.</p> <p>Be able to initiate and plan a solution to meet an identified need</p> <p>Understand how data and information can be collected, stored and used.</p> <p>Be able to import and manipulate data to develop a solution to meet an identified need.</p> <p>Understand the factors to be considered when collecting and processing data and storing data/information</p>	

			<ul style="list-style-type: none"> <li>project</li> <li>the completion of the development of the project commenting upon the process undertaken and what future developments could take place.</li> </ul> <p>Understand the tools and techniques that can be used to initiate and plan solutions.          Be able to initiate and plan a solution to meet an identified need          Understand how data and information can be collected, stored and used.          Be able to import and manipulate data to develop a solution to meet an identified need.          Understand the factors to be considered when collecting and processing data and storing data/information          Understand the different methods of processing data and presenting information          Be able to select and present information in the development of the solution to meet an identified need.          Be able to iteratively review and evaluate the development of the solution</p> <p>Select, use and integrate appropriate software tools and techniques to effectively create a detailed project plan</p>		<p>Understand the different methods of processing data and presenting information          Be able to select and present information in the development of the solution to meet an identified need.          Be able to iteratively review and evaluate the development of the solution</p> <p>Select, use and integrate appropriate software tools and techniques to effectively create a detailed project plan</p>
Cross Curricular Links	<p><b>D&amp;T</b> - data collection &amp; analysis  <b>Computer Science</b> - 1.2          Memory and Storage</p>	<p><b>Computer Science</b> - 1.2          Memory and Storage</p>	<p><b>D&amp;T</b> - meeting client requirements, data collection &amp; analysis, inputs and outputs, presenting information          Iterative design and review</p>	<p><b>Creative iMedia</b> - Design skills, Brief Analysis, Time Planning, Evaluation. Design skills</p>	<p><b>D&amp;T</b> - project planning, meeting client requirements, data collection &amp; analysis, inputs and outputs, presenting information          Iterative design</p> <p><b>Creative iMedia</b> - Design skills, Brief Analysis, Time Planning, Evaluation. Design skills</p>

Resources	<p>Cambridge National Level 1/2 Information Technologies - Stuart/Gillinder</p> <p>MrBrownCS LO1 Revision videos:  <a href="https://www.youtube.com/watch?v=R65YTb30Ag8&amp;list=PL04uZ7242_M7DAgqz5VPmP_ex4mnTpBgg">https://www.youtube.com/watch?v=R65YTb30Ag8&amp;list=PL04uZ7242_M7DAgqz5VPmP_ex4mnTpBgg</a></p> <p>MrBrownCS LO3 Revision videos:  <a href="https://www.youtube.com/watch?v=ekEkSRJWZck&amp;list=PL04uZ7242_M7217Aqk5JpyY432aeM28aB">https://www.youtube.com/watch?v=ekEkSRJWZck&amp;list=PL04uZ7242_M7217Aqk5JpyY432aeM28aB</a></p>	<p>Cambridge National Level 1/2 Information Technologies - Stuart/Gillinder</p> <p>MrBrownCS LO4 Revision videos:  <a href="https://www.youtube.com/watch?v=YKMJLS1v8GU&amp;list=PL04uZ7242_M6LfmeGFqWnYRgJYRQijR8s">https://www.youtube.com/watch?v=YKMJLS1v8GU&amp;list=PL04uZ7242_M6LfmeGFqWnYRgJYRQijR8s</a></p> <p>MrBrownCS LO6 Revision videos:  <a href="https://www.youtube.com/watch?v=yogLCxK8nfg&amp;list=PL04uZ7242_M7z184qQYffkbl6q98DSCSO">https://www.youtube.com/watch?v=yogLCxK8nfg&amp;list=PL04uZ7242_M7z184qQYffkbl6q98DSCSO</a></p>	Cambridge National Level 1/2 Information Technologies - Stuart/Gillinder	Cambridge National Level 1/2 Information Technologies - Stuart/Gillinder	Cambridge National Level 1/2 Information Technologies - Stuart/Gillinder	
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