



SVC ICT and Computing Learning Pathway -Year 9



LP	Information Technology
8-9	<p>Students will query data on tables using a typical query language e.g. Queries using SQL.</p> <p>Students will perform complex searches for numerous information and query data on multiple tables e.g. using a relational database</p> <p>Students will be able to independently with reasoning, select appropriate digital devices, internet services and application software to achieve given goals.</p> <p>Students will independently, critically evaluate the quality of solution(s) and make appropriate improvements to the solution.</p>
6-7	<p>Students will query data on multiple tables using criteria.</p> <p>Students will perform multiple criteria searches for information tables e.g. Microsoft Access & Online databases i.e. Argos</p> <p>Students will be able to select appropriate digital devices, internet services and application software to achieve given goals.</p> <p>Students will independently evaluate the quality of solution(s), identify and suggest ways to make appropriate improvements to the solution e.g. to effectively use criteria for a given task and judge/review the success of it.</p>
4-5	<p>Students will query data on a table using criteria given.</p> <p>Students will know that there is a range of operating systems and application software for the same hardware e.g. to look at school software/hardware used for various tasks.</p> <p>Students will be able to evaluate the appropriateness of digital devices, internet services and application software to achieve given goals.</p> <p>Students will be able to design and give suitable and accurate success criteria for a given task.</p> <p>Students will evaluate the quality of solution(s) and will use some of the criteria to identify improvements to make to the solution e.g. to use criteria for a given task and judge/review the success of it.</p>

LP	Information Technology
2-3	<p>Students will perform searches for information e.g. using Boolean and relational operators e.g. AND, OR, NOT.</p> <p>Students will analyse and evaluate data and information, and recognise that poor quality data leads to unreliable results, and inaccurate conclusions e.g. GIGO, understand that their search results can be informative and reliable</p> <p>Students will know the difference between physical, wireless and mobile networks e.g. school network/businesses.</p> <p>Students will recognise the audience when designing and creating digital content e.g. designing a website on E-Safety for KS3 students (content, language used).</p> <p>Students will be able to use suitable criteria to judge the quality of a solution for a given task.</p> <p>Students will identify some improvements to the solution e.g. this is good because...I need to improve this particular area by doing... If I did this again, I would...</p>
0-1	<p>Students will understand the difference between data and information.</p> <p>Students will explain why sorting data in a flat file can improve searching for information e.g. setup of database structure & performing.</p> <p>Students will use filters or can perform single criteria searches for information e.g. can search an online Database (Auto trader/EBay) or on database program.</p> <p>Students will show an awareness of, and can use a range of internet services e.g. VOIP – WhatsApp/FaceTime.</p> <p>Students will collect, organise and present data and information in digital content e.g. setup of database file structure with suitable datatypes & content.</p> <p>Students will create digital content to achieve a given goal through combining software packages and internet services to communicate with a wider audience e.g. blogging/web designing/Twitter.</p> <p>Students will be able to make some improvements to solutions based on feedback received, and can comment on the success of the solution.</p>