



SVC ICT and Computing Learning Pathway -Year 7



LP	Information Technology
8-9	<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 critically evaluate the quality of solution(s) and use the criteria to identify improvements and can make improvements to the solution e.g. to effectively use criteria for a given task and judge/review the success of it.</p>
6-7	<p>Students will perform more complex 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, understands 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 & make improvements to the solution, and future solutions e.g. this is good because... I need to improve this particular area by doing... If I did this again, I would...</p>
4-5	<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 appropriate improvements to solutions based on feedback received, and can comment on the success of the solution.</p>

LP	Information Technology
2-3	<p>Students will identify different types of data e.g. text, number and that programs can work with different types of data.</p> <p>Students will understand that data can be organised in tables to make it useful e.g. databases – online Argos/EBay.</p> <p>Students will recognise that a range of digital devices can be considered to be a computer.</p> <p>Students will recognise and can use a range of input and output devices e.g. mouse, keyboard, monitor, speakers scanner, digital camera.</p> <p>Students will search the internet and can carry out simple, single criteria, web searches to collect information.</p> <p>Students will be able to use technology confidently and can organise data with some meaning & purpose to it.</p> <p>Students will be able to use a variety of software to manipulate and present data/information i.e. using – DTP, Database, Word Processing & Graphics software.</p> <p>Students will share experiences of technology in school and beyond the classroom.</p> <p>Students will talk about their work, with prompting, and makes improvements to solutions based on feedback received e.g. peer/teacher feedback.</p>
0-1	<p>Students will recognise that digital information can be represented in many ways, the differences between some of these & and can explain the different ways that they communicate information e.g. using text, images, table, graphs, text/numerical</p> <p>Students will be able to search for information from the internet using a web browser e.g. Google Chrome, Mozilla Firefox, Microsoft IE, or Apple Safari.</p> <p>Students will use software under the control of the teacher to create, store and edit digital content using appropriate file and folder names.</p> <p>Students will understand that people interact with computers e.g. by using input devices, use of mobile phone apps, supermarket self-check-out.</p> <p>Students will be able to talk about their work, with guidance, and makes changes to improve it. i.e. carrying out self-evaluation & teacher feedback.</p>