

Develop learners who are resilient problem solvers with the ability to independently explore and apply their knowledge to the 21st century.



Computing						
	Term 1		Term 2		Term 3	
Year 7	<p><u>Office Skills – MS Word</u> Pupils use Microsoft Word to create professional documents</p>	<p><u>E-Safety and Social Media – PowerPoint</u> Pupils are introduced to different social medias, how they work and ways to keep their data and themselves safe online.</p>	<p><u>Algorithms and Scratch</u> Pupils introduced to different types of algorithms and coding in Scratch to create different programs using sequence, repetition, iterations and variable.</p>	<p><u>Computing Hero’s</u> Pupils look back at some Computing pioneers that have helped to change the world and shape society.</p>	<p><u>Networks from Smartphones to the Internet</u> Pupils introduced to Network, benefits of networking and how data is sent across networks using protocols</p>	<p><u>Using Media – Gaining support for a cause</u> Pupils will develop a deeper understanding of the subject by using their skills across the unit to create a blog post about a real world cause that they are passionate about.</p>
Year 8	<p><u>Office Skills – MS Excel</u> Pupils use Microsoft Excel to create business spreadsheet that uses formulas and functions</p>	<p><u>FMS Logo</u> Pupils control an on screen ‘turtle’ that uses sequence, iteration and variables.</p>	<p><u>Mobile App Development</u> Pupils use App Lab to go through the process in designing and creating an App.</p>	<p><u>Small Basic</u> Pupils use textual programming language (has drop downs for help) to create programs</p>	<p><u>Computing Systems</u> Pupils introduced to Operating Systems and their functions, basic binary looking at how computers systems operate.</p>	<p><u>Media – Web Design</u> Pupils will design and create a website paying attention to the golden rules and Target Audience</p>
Year 9	<p><u>ICT in context – MS PowerPoint</u> Pupils are given a business to apply their ICT knowledge to and create mail merged letter, logo, Presentation, and a business spreadsheet</p>	<p><u>Micro-Bit</u> Pupils code a small handheld computer to do a number of things e.g. Compass, Dice, Name Generator, Rock-Paper-Scissor and much more!</p>	<p><u>Python</u> Pupils create programs using textual programming language that use string, data types, input variables, iterations and arrays.</p>	<p><u>Representation on the Computer</u> Pupils introduced to the world of binary and develop knowledge of how binary is uses in images and sound.</p>	<p><u>Cyber Security</u> Pupils learn how hackers steal data, disrupt systems, and infiltrate networks</p>	<p><u>Media – Digital Imaging</u> Pupils are made aware of the importance of Target Audience, along with the types of images and also be introduced to Photoshop.</p>