

Year	Autumn	Spring	Summer		
Lower	Stone Age to Iron Age	Mountains, rivers and coasts.	The Egyptians		
school	(Iron Rocks!)	(Mountain High River Deep)	(Tomb Raiders)		
cycle B					
E-Safety	 I know the importance of communicating safely and respectfully online, and the need for keeping personal information private. I can find content from the world wide web using a suitable web browser. Repeated and developed throughout the year through Computing lessons and PDL 				
Computer Science	 I can create and implement a simple algorithm on digital devices as programs. I can design simple algorithms using loops, i.e. repeat x times or forever I can break simple everyday algorithms in to parts (i.e. breakfast, walk to school) I can find and correct (debug) simple sequence errors in code 	 I can create and implement a simple algorithm on digital devices as programs. I can create multiple sequences running at the same time i.e. playing two different instrument sounds or two sprites moving I can find and correct (debug) simple sequence errors in code 	 I know that a range of digital devices can be considered a computer. I know how programs specify the function of a general purpose computer. 		
Digital Literacy	 I can use software under the control of the teacher to create, store and edit digital content using appropriate file and folder names I can talk about my work and make changes to improve it. 	 I know the difference between some of these digital forms and can explain the different ways that they communicate information. I know different types of data: text, number I know that data can be structured in tables to make it useful. 	 I can use software with support to create, store and edit digital content using appropriate file/folder names I can use technology to purposefully organise digital content. I can talk about my work and make changes to improve it. 		



Lower school cycle A	What did the Romans do for us? (Rotten Romans)	Natural Disasters and Rainforests (What a disaster!)	Saxons and Vikings (Kingdom Invasion)		
E-Safety	 I can navigate the web and can carry out simple web searches to collect digital content. I can show use of computers safely and responsibly, knowing a range of ways to report unacceptable content and contact when online. Repeated and developed throughout the year through Computing lessons and PDL 				
Computer Science	 I can design and implement simple algorithms using single arithmetic operators and selection within programs. I can include a single variable to hold a number or word in my algorithm I can use logical reasoning to predict outcomes. 	 I can design and implement simple algorithms using repeat/forever loops and selection within programs I can find and correct (debug) simple repetition, selection and variable errors in code with support. I can use logical reasoning to predict outcomes. I know and can use a range of input and output devices. I know that computers collect data from various input devices, including sensors and application software. 	 I can decompose a working programming into its elements with support I can design and implement simple algorithms using single arithmetic operators, repeat/forever loops, and selection within programs. I can find and correct (debug) simple repetition, selection and variable errors in code with support 		
Digital Literacy	 I can use a variety of software to manipulate and present digital content: and information. I can talk about my work and make improvements to solutions based on feedback received 	 I know that programs can work with different types of data I know that data can be structured in tables to make it useful. I know the difference between data and information 	 I can use a variety of software to manipulate and present digital content: and information. I can show an awareness for the quality of digital content collected. I can talk about my work and make improvements to solutions based on feedback received 		



Upper school cycle B E-Safety	History of Baghdad (Arabian Nights) and Mexico Study (Los mysterios de Mexico) I know the difference between the internet and	Space (Out of this world) Portsmouth (Tudors)	Forces (Flight) and and Changes (SRE/Geography)		
2 50.103,	 I can show an awareness of, and can use a range of internet services e.g. VOIP. I know what is acceptable and unacceptable behaviour when using technologies and online services. Repeated and developed throughout the year through Computing lessons and PDL				
Computer Science	 I can design solutions (algorithms) that use multiple selection beyond if and else and multiple loops which achieve given goals. I can use diagrams to plan an algorithm. I can find and correct (debug) repetition, selection and variable errors in code independently 		 I can find and correct (debug) repetition, selection and variable errors in code independently I can use relational operations (less than, more than and equal to) I can declare and assign multiple non-connected variables. 		
Digital Literacy	 I know that computers collect data from various input devices, including sensors and application software. I know the difference between hardware and application software, and their roles within a computer system. 	 I can create digital content to achieve a given goal through combining software packages and internet services to communicate with a wider audience e.g. blogging. I know why sorting data in a flat file can improve searching for information. I can use filters or can perform single criteria searches for information. 	 I can create digital content to achieve a given goal through combining software packages and internet services to communicate with a wider audience e.g. blogging. I can make judgements about digital content when evaluating and repurposing it for a given audience. I can make appropriate improvements to solutions based on feedback received, and can comment on the success the solution. 		



Upper school cycle A	Water as a resource and renewable energy (Fuelling the Future)	Ancient Greek democracy and monarchs past and present (Power!)	Evolution and inheritance (Discovering Darwin)
E-Safety	 I know how to effectively use search engines, and I know how search results are selected, including that search engines use 'web crawler programs'. I can show responsible use of technologies and online services, and I know a range of ways to report concerns. I can select, use and combine different internet services. Repeated and developed throughout the year through Computing lessons and PDL		
Computer Science	 I know the difference between hardware and application software, and their roles within a computer system. I know the main functions of the operating system. 	•	 I can create a program by decomposing it into parts and solving parts separately I can use post-tested loops e.g. 'until', and a sequence of selection statements in programs, including if, then and else statement. I can use a variable and relational operators within a loop to govern termination.
Digital Literacy	I can create a basic webpage	 I can perform more complex searches for information e.g. using Boolean and relational operators. I can analyse and evaluate data and information I know the audience when I am designing and creating digital content. I can use criteria to evaluate the quality of solutions and can identify improvements making some refinements to the solution, and future solutions. I can evaluate the appropriateness of digital devices, internet services and application software to achieve given goals. 	

