

Year 7 Computer Science Curriculum Map								
HalfTerm	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2		
Big Themes	What's inside of my of Students will learn when are used. They will look devices, CPU and Storag look at how numbers and binary (data representate Operating Systems are used the unit by learning to so information online (using search terms.)	re Computer Systems at Input & Output ge devices. Students will ad images are stored in ion) as well as how used. Students will finish earch efficiently for	Can we connect the Students will design as using a range of comm Students will also use enhance presentation end of term, students own website using HT addition, students will concepts, which include networking, the intermediate of the students will concepts.	nd code webpages non HTML tags. CSS style sheets to and content. By the will produce their TML and CSS. In learn basic network de, client/server	How can computer Students will learn the programming using th They will write Pythol computer art using th module. Students will also lear concepts including seciteration. They will use conditional and iteratic control program flow.	e Python language. In code to create Turtle graphics In basic programming Quence, selection, and E variables as well as ive structures to		
Knowledge and skills covered	 To define "Computer System" and know where they are used To explain how and why computer systems are used in real world applications To describe input and output, and cite example I/O devices 	 To describe how an image can be stored as binary To understand the need for software in Computer Systems To cite different examples of software for different scenarios To understand the role of an operating system and name an OS in common use 	 To understand the difference between The Internet and The World Wide Web To plan a website for a specific need To be able to add headings, text & images to a webpage using HTML To become aware of Copyright Law 	 To add lists to a webpage To understand how to apply presentation styles using CSS in a webpage Peer review other student websites To improve websites based on peer feedback 	 Compare how humans and computers understand instructions (understand and carry out) Define a sequence as instructions performed in order, with each executed in turn Predict the outcome of a 	 Define a condition as an expression that will be evaluated as either 'true' or 'false' Identify that selection uses conditions to control the flow of a sequence Identify where selection statements can be used in a program 		



 To describe the basic operation of a CPU To understand the role of binary numbers in computing To know how to convert ordinary and vice versa. To discover how to efficiently search the internet with effective search criteria. To know how to convert ordinary whole numbers to binary and vice versa. To discover how to efficiently search the internet with effective search criteria. To understand the importance of one's digital footprint. To create a homepage and child webpages To understand the importance of one's digital footprint. 	simple sequence Modify a sequence Define what a variable is Recognise that computers follow the control flow of input/process/o utput Use variables to store values and learn to trace how variables values can change as a program is run,
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Year 7 Key 'Subject' Assessment Dates 2021-22						
Data Drop I	Data Drop 2	Data Drop 3				
Revision Focus: Unit 7.1	Revision Focus: Unit 7.2	Revision Focus: Unit 7.3				
Assessments: Online Assessment - Mixture of	Assessments: Online Assessment - Mixture of	Assessments: Online Assessment - Mixture of				
multiple choice questions and written responses.	multiple choice questions and written responses.	multiple choice questions and written responses.				