



What I will know and understand by the end of Year 7.

This year in Computing we will be learning:		This links to:	Key Vocabulary:		
1	Getting Started and Using Media <ul style="list-style-type: none"> How to use cloud applications, specifically Microsoft 365, Teams and OneNote to access, complete, submit and receive feedback on and improve Computing work Application of word processor features to improve the formatting of a document Copyright legislation and selecting appropriately licensed images to include in a document Formatting images to include in larger documents Checking sources of information for credibility and trustworthiness and selecting credible information The need for and how to cite sources Construct a blog to promote a cause 	<p>You will build on skills you developed at primary school producing computer artifacts. Your understanding of how to access and create such will be extended to using a cloud-based application and considering larger audiences and the credibility and legal consequences of using information you retrieve from the World Wide Web. This will form the foundation of many units in Key Stage 3 when you are required to use cloud applications to produce computer artifacts for a given purpose and audience</p>	<ul style="list-style-type: none"> Secure Unauthorised Format Audience Appropriate 	<ul style="list-style-type: none"> File Folder Save Open 	
	2	Networks and Website Creation <ul style="list-style-type: none"> Networks and network protocols Hardware and the names and roles of key network hardware Wired and wireless networks and the relative merits of each, including their bandwidth Key network protocols and appreciate what they do Different internet services and what they do The components of the world wide web and how it operates Construct your own small simple website using HTML and CSS 	<p>You will build on work you have completed in primary school and in the previous year 7 unit to understand what the Internet is and how it operates.. This unit links to the Computer systems unit in Year 9 where you will learn more about hardware and software and how they are combined to create computer systems.</p>	<ul style="list-style-type: none"> Hardware Software Computer System Network 	<ul style="list-style-type: none"> Protocol Upload Download
		3	Computational Thinking and Algorithms <ul style="list-style-type: none"> Computational thinking and the skills involved in it Applying computational thinking to produce algorithms of real-life situations Algorithms can be communicated through pseudocode and flowcharts Producing algorithms of real-life situations in both pseudocode and flowcharts Using Flowol software the produce flowcharts to control mimics of real-life automated systems 	<p>You will build on work you have completed on algorithms in primary school by learning different ways of communicating algorithms and developing the computational skills needed to be able to produce effective algorithms. This unit links to the programming unit in Year 8, where you will use a text-based programming language to turn algorithms you create into programs that a computer can execute.</p>	<ul style="list-style-type: none"> Computational thinking Decomposition Abstraction Algorithmic thinking

Target Grade:		AP1:		AP2:		AP3:	
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