

Y5 Computing (Computer Science)

National Curriculum	Knowledge	Skills	Y4 Vocab	Y5 Vocab
<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. • Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. • Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. 	<ul style="list-style-type: none"> • Begin to understand that there are multiple programming languages used for a variety of reasons. • Understand the web-sites are built using HTML. • Understand that HTML uses a “tag” system that acts as instructions for the computer to understand. • Understand that RGB and hexadecimals are a colour systems used within computers. • Understand that web-pages are inter-connected using hyperlinks. 	<ul style="list-style-type: none"> • Create a simple program in HTML. • Add images (.png & .jpg) to a web page/ • Resize and image and set the pixel size of an image in html. • Add text to a web page. • Create a basic web page using HTML. • Change the colour, font and size of texts within html. • Control the layout of a web-page using the ‘margin’ and ‘padding’ properties. • Add a hyperlink to a web-page. 	<ul style="list-style-type: none"> • Variable • Score • Increase • Decrease • Negative • Assign • Statement • Var_x • Value • Event • True • Repetition • Loop • Simulation • If ... equals 	<ul style="list-style-type: none"> • HTML • Tag • Paragraphs • Headings • Jpg • png • img src • graphics • source • CSS • Pixels • Font (family & size) • Background • RGB • Hexadecimal • Margin • Padding • Hyperlink • URL • br
Units to Teach	Key Questions			
<ul style="list-style-type: none"> • HTML – Introduction to HTML • HTML – Formatting & CSS • HTML – HTML Links 	<ul style="list-style-type: none"> • <i>Why do we use tags</i> • <i>What do tags do in HTML?</i> • <i>How does the computer recognise a line of text as a heading?</i> 		<ul style="list-style-type: none"> • <i>What is a cascading style sheet?</i> • <i>How does the computer recognise the difference between a heading and a paragraph?</i> 	
Previous Learning	Future Learning			
<ul style="list-style-type: none"> • Understand how different conditional commands are more appropriate than others (k) • Understand we can use variables to hold information (k) • Write code that changes a variable after an event (s) • Write code that solves calculation problems (s) • Use the repeat function within a program (s) 	<ul style="list-style-type: none"> • Understand the importance of the order of code (K) • Understand why code does not respond when an input is not recognised (K) • Use a loop to draw a shape (S) • Generate a random number (S) • Combine a variety of commands to create the desired outcome (S) • Add and retrieve items to and from an array (S) 			

