



Subject: Computing

Topic: Systems & Searching

Love Reading		World Citizens		Be Aspirational	
Lesson	Learning Intention/End Points	Key Vocabulary (from SOW)	Key Skills (from NC)	Writing outcome (1 per unit)	Creative Curriculum Links
1	<p>To explain that computers can be connected together to form systems</p> <ul style="list-style-type: none"> Children can explain that systems are built using a number of parts Children can describe the input, process, and output of a digital system Children can explain that computer systems communicate with other devices <p>Go deeper task:</p>	System, connection, digital, input, process, output	<ul style="list-style-type: none"> understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of 		
2	<p>To recognise the role of computer systems in our lives</p> <ul style="list-style-type: none"> Children can identify tasks that are managed by computer systems Children can identify the human elements of a computer system Children can explain the benefits of a given computer system Children can explain how to keep my personal information safe online. <p>Go deeper task:</p>	System, connection, digital, input, process, output			
3	<p>To experiment with search engines</p> <ul style="list-style-type: none"> Children can make use of a web search to find specific information Children can refine my web search Children can compare results from different search engines Children can recognise trustworthy websites 	Search, search engine, refine			Adapt ppt and use searches to link to history and the Tudors

<p>4</p>	<p>To describe how search engines select results</p> <ul style="list-style-type: none"> - Children can explain why we need tools to find things online - Children can recognise the role of web crawlers in creating an index - Children can relate a search term to the search engine’s index <p>Go deeper task:</p>	<p>Index, crawler, bot, search engine</p>	<p>ways to report concerns about content and contact.</p>		
<p>5</p>	<p>To explain how search results are ranked</p> <ul style="list-style-type: none"> - Children can order a list by rank - Children can explain that a search engine follows rules to rank results - Children can give examples of criteria used by search engines to rank results <p>Go deeper task:</p>	<p>Ordering, ranking, search engine, links, algorithm, search engine optimisation (SEO)</p>			
<p>6</p>	<p>To recognise why the order of results is important, and to whom</p> <ul style="list-style-type: none"> - Children can describe some of the ways that search results can be influenced - Children can recognise some of the limitations of search engines - Children can explain how search engines make money <p>Go deeper task:</p> <p>Homework task: Children to think of three things that they can’t find on the web and explain why that might be?</p>	<p>Searching, search engine, web crawler, content creator, selection, ranking</p>			