

<b>Topic: 7.1 My Digital World</b>		<b>Duration: 6 weeks</b>	<b>Composite: EOU Test</b>	
<b>Key vocabulary:</b>	<b>Core knowledge questions</b>	<b>Powerful knowledge crucial to commit to long term memory</b>		<b>Links to previous and future topics</b>
E-Safety Cyberbullying Social Media Internet Web Browser HTML URL Reliability Boolean Operator Index Relevance Copyright Legislation	<ol style="list-style-type: none"> <li>1. What is e-safety? E-safety is the process or steps that need to be taken to stay safe online</li> <li>2. What are the dangers of being online? Strangers, viruses, malicious software, fraud</li> <li>3. How can people be safe online? Be reporting concerns to parents, teachers, social media providers or authority figures such as the police (CEOP)</li> <li>4. What is a digital tattoo? A digital tattoo is a record of online activity that can not be removed easily.</li> <li>5. What is cyberbullying? Cyberbullying is the use of social media to send mean or abusive messages to others</li> <li>6. What are the differences between the World Wide Web and the Internet? The Internet is an interconnected network of computers, cables and devices, whereas the WWW is the software used to send information</li> <li>7. What is a web browser? A web browser is software used to view a webpage</li> <li>8. What is HTML used for? Hyper Text Markup Language is used to construct webpages</li> <li>9. What is a URL? URL stands for Uniform Resource Locator. It is what websites use to identify their websites to potential customers</li> <li>10. What are the features of a good website? Clear navigation, consistent house style, well written information and images, videos to support content.</li> <li>11. How can you tell if a source is reliable or not? A source is reliable if it is written well, has the date it was last updated, can be back up by other websites, contains working links, contains facts not opinions</li> <li>12. How do search engines work? Search engines work by indexing key words located by “spiders”</li> <li>13. What are Boolean Operators? Boolean operators are symbols such as +, -, AND, OR, NOT that help refine a search</li> <li>14. What is copyright? Copyright is a law which protects peoples work from being copied or misused</li> <li>15. How can sources be referenced appropriately? By including a link to where the content was found, by asking permission or by seeking copyright free / creative commons content.</li> </ol>	<ul style="list-style-type: none"> <li>• E-safety is the process or steps that need to be taken to stay safe online.</li> <li>• Cyberbullying is the use of social media to send mean or abusive messages to others</li> <li>• The Internet is an interconnected network of computers, cables and devices, whereas the WWW is the software used to send information.</li> <li>• A web browser is software used to view a webpage</li> <li>• HTML is used to construct webpages</li> <li>• A source is reliable if it is written well, has the date it was last updated, can be back up by other websites, contains working links, contains facts not opinions</li> <li>• Search engines work by indexing key words located by “spiders”</li> <li>• Boolean operators are symbols such as +, -, AND, OR, NOT that help refine a search</li> <li>• Copyright is a law which protects peoples work from being copied or misused</li> </ul>		<ul style="list-style-type: none"> <li>• Possible links to coverage in primary school and out-of-school experiences</li> <li>• Provides the foundations of how to use the internet correctly within students work for future units and in other subjects.</li> </ul>

<b>Topic: 7.2 Computer Systems</b>		<b>Duration: 6 weeks</b>	<b>Composite: EOU Test</b>
<b>Key vocabulary:</b>	<b>Core knowledge questions</b>	<b>Powerful knowledge crucial to commit to long term memory</b>	<b>Links to previous and future topics</b>
Input Process Output Fetch Decode Execute Component Storage Memory RAM ROM CPU HDD PSU Motherboard NIC	16. What is a computer system? A computer system is any device that can take an input, process it, and output the result 17. What is an input device? An input device is a peripheral that can be used to enter data into a system 18. What is an output device? An output device is a peripheral that can be used to display information visually, audibly, or haptically. 19. What is hardware? Hardware is the term given to a component that can be physically touched 20. What is software? Software is the program or application that can be used to control the hardware in a computer system. 21. What is the role of the CPU? The CPU is the brain of the computer. It is used to process and control all data input into the system. 22. What is the main function of the CPU? To run an endless fetch, decode and execute cycle to process instructions. 23. What are components? Components are the different parts of hardware that when combined make up the Computer System. 24. What is storage? Storage is how computers store data and programs so that they can be retrieved at a later date. 25. What is memory? Memory is where data is stored temporarily so that it can be accessed and interacted with more quickly than storage.	<ul style="list-style-type: none"> <li>• A computer system is any device that can take an input, process it, and output the result</li> <li>• An input device is a peripheral that can be used to enter data into a system</li> <li>• An output device is a peripheral that can be used to display information visually, audibly, or haptically</li> <li>• Hardware is the term given to a component that can be physically touched</li> <li>• Software is the program or application that can be used to control the hardware in a computer system</li> </ul>	<ul style="list-style-type: none"> <li>• Provides foundations of how the computer system works and operates</li> <li>• Links to programming units</li> <li>• Revisit in Year 8.</li> </ul>