



# END OF UNIT OUTCOMES IN COMPUTING – YEAR A

	TERM	YEAR 3	YEAR 4	YEAR 5	YEAR 6
YEAR A	Autumn	<p>Topic Name: Connecting computers Big Question:</p> <ul style="list-style-type: none"> <li>I know what an input and output device is</li> <li>I know what a computer network is and how it helps me</li> <li>I can create a piece of work digitally and know how to save and retrieve my work</li> </ul>	<p>Connecting Computers</p> <ul style="list-style-type: none"> <li>I know what a server is and how they connect to a network</li> <li>I can combine programs to complete a piece of work.</li> <li>I can identify servers connecting to a network</li> </ul>	<p>Coding – sequence and selection.</p> <ul style="list-style-type: none"> <li>I can design, input and test a set of instructions in a program</li> <li>I can debug my work to improve performance</li> <li>I can use logical reasoning to explain how my program should work.</li> </ul>	<p>Coding - sequence and selection</p> <ul style="list-style-type: none"> <li>I understand the differences between sequence, selection and repetition.</li> <li>I can plan, create and debug a quiz that uses variables.</li> <li>I can solve problems by decomposing them into smaller parts.</li> </ul>
	Spring	<p>Online Safety - Privacy and Security/Self Image and Identity</p> <ul style="list-style-type: none"> <li>I can describe simple strategies for creating and keeping passwords safe.</li> <li>I can give reasons why I should only share information with people I trust.</li> <li>I can understand that I should talk to a trusted adult if I feel pressured into sharing my information.</li> </ul>	<p>Online Safety – Privacy and Security/Self Image and Identity.</p> <ul style="list-style-type: none"> <li>I can describe strategies for keeping personal information private depending on context.</li> <li>I can explain that internet use is never fully private (adult supervision)</li> <li>I can explain that others online can pretend to be someone else, including my friends, and can suggest reasons why they might do this.</li> </ul>	<p>Online Safety – Privacy and Security/Self Image and Identity</p> <ul style="list-style-type: none"> <li>I can explain how identity online can be copied, modified or altered.</li> <li>I can demonstrate how to make responsible choices about having an online identity, depending on context.</li> <li>I can show awareness that the data we share is valuable to app developers.</li> </ul>	<p>Online Safety- Privacy and Security/Online Bullying</p> <ul style="list-style-type: none"> <li>I can explain what to do if a password is shared, lost or stolen.</li> <li>I can describe how to capture bullying content as evidence (e.g screen-grab, URL, profile) to share with others who can help me.</li> <li>I can explain how someone would report online bullying in different contexts.</li> </ul>
	Summer	<p>Data logging/Databases</p> <ul style="list-style-type: none"> <li>I can identify the attributes needed to collect data about a given topic</li> <li>I can plan/structure of a database</li> <li>I can independently create questions to use in a branching database.</li> </ul>	<p>Data Logging/Databases</p> <ul style="list-style-type: none"> <li>I can explain that data gathered over time can be used to answer questions.</li> <li>I can use a device to collect data automatically</li> <li>I can recognise how a computer can help us analyse data.</li> </ul>	<p>Computing Systems and Networks/Spreadsheets.</p> <ul style="list-style-type: none"> <li>I can explain that computers can be connected together to form systems</li> <li>I can explain that tools can be used to select specific data.</li> <li>I can explain that computer programs can be used to compare data visually.</li> </ul>	<p>Computing Systems and Networks/Spreadsheets.</p> <ul style="list-style-type: none"> <li>I can explain how information is transferred across the internet.</li> <li>I can create a data set in a spreadsheet</li> <li>I can explain that formulas can be used to produce calculated data.</li> </ul>

Belonging, Courage, Curiosity, Kindness, Perseverance, Respect

**Growing Minds, Kind Hearts, Rooted in Love**

‘Rooted and Grounded in Love’ (Ephesians 3:16)