

Y8 IT & COMPUTING

<p>PLATINUM</p>	<p>Has shown ability to identify devices in the home which contain computer chips.</p> <p>Has shown ability to explain the role of a computer and how keyboard letters are stored as binary</p> <p>Has evidenced good understanding of Colossus, Moore's law, parts of a computer, the CPU and software.</p>	<p>Identify what cryptography is and create a Caesar cypher and link this to encryption.</p> <p>Identify what ecommerce is, the different network topologies and identify what topology is used in school. Identify the different network hardware components.</p> <p>Explain what the Enigma is and explain in detail how it was used. Explain the different legal and environmental impacts of ICT.</p>	<p>Has used repeat</p> <p>Has saved files with sensible filenames</p> <p>Can use coding abbreviations</p> <p>Can draw all shapes</p> <p>Create procedures accurately</p> <p>Save and edit procedures accurately</p> <p>Working with more than one variable</p> <p>Links simple shapes</p> <p>Uses colours</p> <p>Combine complex shapes.</p> <p>Work with more than one variable.</p>	<p>Create If statements within other If statements.</p> <p>Use For and While loops in your programs</p> <p>Create simple programs using Python.</p> <p>Write your own program to meet a requirement.</p>	<p>Stagger the start of some parts of the animation to make them more understandable.</p>	<p>Perform a detailed evaluation of your website and make suitable suggestions for improvements. Insert animated GIFs to the website.</p> <p>Create a completed, professional looking and error-free website. Discuss website publication and limitations.</p>
<p>GOLD</p>	<p>Can identify how computers have changed over the years.</p>	<p>Can decode all the different cyphers.</p> <p>Identify what ecommerce is.</p> <p>Discuss the Enigma machine.</p> <p>Outline the different legal and environmental impacts of ICT.</p>	<p>Create complex shapes in logo.</p> <p>Can use repeat effectively.</p> <p>Can create a hypothesis before creating shapes.</p> <p>Create a procedure use.</p> <p>Edit a procedure.</p>	<p>Use operators and correct datatypes.</p> <p>Use more complex If statements including "elif"</p> <p>Create algorithms and pseudocode.</p> <p>Create and define variables.</p>	<p>Create multiple layers to the animation.</p> <p>Add timeline effects to the animation.</p> <p>Import and edit images into the animation</p>	<p>Describe what makes a good website and why.</p> <p>Create a detailed storyboard. Insert rollover images, photo gallery, hyperlinks and effects to your website.</p>

		Explain the different network topologies and explain the advantages and disadvantages of each.	Clone a procedure.			
SILVER	Has evidenced limited understanding of Colossus, Moore's law, parts of a computer, the CPU and software	<p>Can decode the different cyphers with help.</p> <p>Can outline the different network topologies.</p> <p>Can identify the difference between LAN and WAN.</p>	<p>Create simple shapes in logo.</p> <p>Create, save and edit procedures.</p>	<p>Use If statements to make a decision.</p> <p>Create simple code Follow a sequence of instructions.</p> <p>Create a program in idle Understand expression and their operators.</p>	<p>Import images into the animation.</p> <p>Add different timings to frames, ensuring the animation is understandable and easy to read.</p>	<p>Critically evaluate websites. Create an annotated storyboard.</p> <p>Discuss what is meant by 'House Style' Create a five-page website with pages linked together.</p>
BRONZE	Is able to identify some parts of a computer.	<p>Discuss what ecommerce is. Identify what the Enigma machine is.</p> <p>Discuss LAN and WAN.</p>	<p>Create shapes with help.</p> <p>Create, save and edit procedures with help.</p>	<p>Create simple code Follow a sequence of instructions.</p> <p>Create a program in idle Understand operators.</p>	<p>Use the drawing tools to create a simple shape.</p> <p>Export the animation as an animated GIF.</p> <p>Follow a design brief. Create an animation suitable for a target audience.</p>	<p>Add text to a webpage and format it.</p> <p>Create a storyboard.</p> <p>Create basic webpages Create a consistent look for each of your webpages. Have a three-page website suitable for purpose.</p>