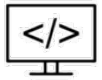
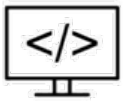
Year 8	ICT & Computing			
	Emerging *– a student who has emerging skills in the Y8 ICT curriculum will be able to:*	***Developing*** *– a student who has developing skills in the Y8 ICT curriculum will be able to:*	***Secure*** *– a student who has secure skills in the Y8 ICT curriculum will be able to:*	***Mastered*** *– a student who has mastered the skills in the Y8 ICT curriculum will be able to:*
 **Computer Programming**	▫ Identify the website to be used for block programming ▫ Identify some elements of the interface ▫ Understand the purpose of basic blocks used ▫ Reproduce simple programs from an example	▫ Implement basic programming concepts to write code independently for simple tasks ▫ Identify most coding blocks in the program ▫ Understand some technical terminology	▫ Debug a program by identifying erroneous code ▫ Trace data flow through a program ▫ I can use iteration for efficient coding ▫ Predict the outcome of a simple block of code ▫ Understand and use some technical terminology	▫ Design a program to meet a set criterion ▫ Use technical terms to describe programming concepts and ideas ▫ Predict the outcome of a complex block of code ▫ Confidently use technical terminology
 **Problem Solving**	▫ Demonstrate knowledge & understanding of spreadsheet terms ▫ Recall some technical terminology appropriately ▫ Identify the features of spreadsheet software ▫ Can format a spreadsheet – cells, text alignment, currency with guidance ▫ Can collect data and enter data into a spreadsheet	▫ Use some technical vocabulary occasionally ▫ Understand a cell reference ▫ Apply some basic formatting with limited support ▫ Create a bar/pie chart & label it correctly ▫ Understand formulae syntax with support	▫ Use technical vocabulary frequently ▫ Use formulae with increasing confidence ▫ Create a spreadsheet independently	▫ Use complex technical vocabulary throughout ▫ Evaluate a spreadsheet in terms of its effectiveness and use feedback to make improvements ▫ Make judgements about 'modelling' software
 **Computer Architecture & Processing**	▫ Recall some terminology ▫ Access their work on the online classroom ▫ Identify differences between input and output devices ▫ Identify simple input and output devices ▫ Understand how files and folders are structured	▫ Will be able to use some technical vocabulary occasionally ▫ Manipulate file structures ▫ Understand the concept of binary representation ▫ Identify elements of von Neumann architecture	▫ Will be able to use technical vocabulary frequently ▫ Explain how binary representation is used to store sound and images ▫ Understand how elements of a von Neumann machine communicate	▫ Confidently to use complex technical vocabulary throughout ▫ Explain in detail how elements of the von Neumann architecture communicate with each other
 **Creativity in ICT**	▫ Recall some terminology ▫ Can identify correct tools ▫ Can create a document using a template and prepared files	▫ Can use some technical vocabulary occasionally ▫ Can identify correct tools and use with some precision ▫ Describe alternative layouts and predict outcomes ▫ Can add own images to a document	▫ Can use technical vocabulary frequently ▫ Can use correct tools appropriately ▫ Suggest improvements ▫ Can act on feedback to develop document ▫	▫ Will be able to use complex technical vocabulary throughout ▫ Can use correct tools accurately ▫ Evaluate digital products and justify improvements
 **Digital Literacy**	▫ Will be able to use some technical terminology appropriately ▫ Can use appropriate formatting tools to format text ▫ Can demonstrate some techniques with support ▫	▫ Can use some technical vocabulary occasionally ▫ Can use tools with some precision ▫ Can show skills with minimum help and can recall icons	▫ Can use technical vocabulary frequently ▫ Can use tools effectively for given purpose ▫ Can independently produce product ▫ Can choose correct icon for task	▫ Will be able to use complex technical vocabulary throughout ▫ Can refine use of tools and suggest others ▫ Can give feedback in most appropriate way
 **Communicating in ICT**	▫ Will be able to some technical terminology appropriately ▫ Understand the term 'presentation' ▫ Can identify an 'audience' for a product ▫ Create a digital product for an audience	▫ Can use some technical vocabulary occasionally ▫ Can create a solution to a problem ▫ Add transitions and animations appropriately ▫	▫ Can use technical vocabulary frequently ▫ Can make suggestions on how to improve the solution because of feedback	▫ Will be able to use complex technical vocabulary throughout ▫ Can evaluate the digital product and justify recommendations

Commented [HM1]: This is unfinished in the time we had - its WIP (work in progress)

Year 9	ICT & Computing			
	Emerging – a student who has emerging skills in the Y8 ICT curriculum will be able to:	***Developing** – a student who has developing skills in the Y9 ICT curriculum will be able to:*	***Secure** – a student who has secure skills in the Y9 ICT curriculum will be able to:*	***Mastered** – a student who has mastered the skills in the Y9 ICT curriculum will be able to:*
 Computer Programming	• Some knowledge of computer programming shown • Can use a graphical based interface with support	• Clear understanding of computer programming shown • Can interrogate a graphical based interface	• Good skills in programming shown • Demonstrate effective use of a graphical based interface	• Detailed knowledge of programming shown • Can design a programme independently
 Problem Solving	• Some understanding shown of software • Recognizes basic problems and can describe them in simple terms. • Can follow simple instructions or steps to solve straightforward problems. • Asks for help or guidance when faced with problems they can't solve independently.	• Clear understanding of software shown • Breaks down more complex problems into smaller parts to understand them better. • Uses known strategies or methods to solve moderate-level problems independently. • Attempts various solutions when one method doesn't work, exploring alternatives.	• Good understanding of technical terms within the software • Demonstrates creativity by inventing new solutions or adapting existing methods for unique problems. • Can independently solve most problems encountered, seeking help only for highly complex issues. •	• Technical terms used consistently in the correct context • Can analyse complex problems, considering multiple perspectives and potential solutions.
 **Computer Architecture & Processing**	• Some knowledge of components shown • Able to identify and name fundamental components of a computer system, such as CPU, RAM, and storage devices. • Demonstrates a basic understanding of the roles of CPU, memory, input/output devices, and their interactions within a computer system.	• Clear knowledge of BIOS • Capable of labelling a diagram of computer architecture independently, correctly identifying most components and their functions. • Understands the basic relationships and interactions between CPU, memory, storage, and input/output devices within the computer architecture.	• Can discuss elements of BIOS • Proficiently labels and describes the various components in a computer architecture diagram accurately and in detail	• Can discuss use of and problems with RAM/ROM • Can independently evaluate and compare different computer architectures, discussing their strengths, weaknesses, and potential applications.
 **Creativity in ICT**	• Demonstrates an understanding of fundamental ICT tools and their functions. • Shows a basic ability to use ICT tools for simple creative tasks, such as basic image editing or text formatting	• Produces slightly more complex creative work, incorporating some design elements, colours, and layout • Shows a willingness to explore new features or functions within ICT tools with some confidence.	• Demonstrates a strong understanding of a range of ICT tools and their functionalities. • Produces consistent and well-designed creative work using ICT tools, incorporating	• Has a detailed understanding of ICT tools, can use advanced features efficiently and effectively • Demonstrates an exceptional ability to produce innovative and visually stunning creative work

	• Able to perform simple tasks following step-by-step instructions.		advanced design elements and layouts.	
 **Digital Literacy**	• Is able to demonstrate some skills with guidance • Shows familiarity with basic digital tools such as word processors, email, and web browsers. • Able to navigate digital interfaces with some assistance and guidance.	• Can produce a range of digital products with support • Demonstrates improved proficiency with a wider range of digital tools and software applications. • Shows increased comfort and efficiency in navigating various digital interfaces.	• Exhibits a strong understanding and proficiency in using a variety of digital tools and platforms. •	• Possesses an advanced understanding and mastery of a wide range of digital tools and platforms, including advanced features
 **Communicating in ICT**	• To be able to communicate knowledge clearly using paragraphs, some effective formatting shown, and a basic layout used. • Some key words used accurately.	• To produce a structured report using subheadings, formatting and good layout. • Good use of key technical terms which are spelt correctly.	• Good research shown, presented effectively and a range of formatting techniques used. • Good accurate use of key technical terms has been used.	• Effective layout used with good evidence researched. Unbiased and proofread document. Few errors and good punctuation. • Can put forward a good argument