Key Stage 3 Subject Assessment Grid				
	Subject: Computer Science Ye	ar: 8 Unit: Computer Systems		
KS4 target direction	4 Achieving aspects of pathway 6 competence	6 Achieving aspects of pathway 8 competence	8 Achieving outcomes beyond secure competence	
Advanced	statements Secure The student can: • Understand the difference between	statements Secure The student can: • Understand that computers can collect	statements for pathway 8 Secure The student can: • Provide details explanation of the internal	
To be assessed as secure, students must achieve competence in all statements.	computer hardware and application software. Identify the different input and output devices. Understand why computers are used.	data using various input devices and sensors Explain when a particular input/output device should be used. Explain the different components to connect to a network. Know a range of application software that can run on the same hardware. Explain the advantages and disadvantages of a computer network.	parts of a computer. Provide details advice with justifications about technology related issues. Able to carry out details self and peer assessments by reviwing work.	
Developing	Mostly secure – one or more gaps	Mostly secure – one or more gaps	Mostly secure – one or more gaps	
Foundation	Significant gaps	Significant gaps	Significant gaps	
Key Stage 3 Subject Assessment Grid				
	Subject: Computer Science Yea			
KS4 target direction	4	Ashioving aspects of pathway 8 competence	Ashioving outcomes havend source competence	
Advanced	Achieving aspects of pathway 6 competence statements	Achieving aspects of pathway 8 competence statements	Achieving outcomes beyond secure competence statements for pathway 8	
To be assessed as secure, students must achieve competence in all statements.	Secure The student can: • Recall the digital content can be represented in many forms. • Explain different types of data: text, number etc. • Know that digital computers use binary to represent all data	Secure The student can: • Know how bit patterns represent numbers and images • Convert numbers from binary to denary and vice versa. • Perform simple operations using bit patterns e.g. binary addition.	Secure The student can: Perform binary multiplication and division Explain how characters are stored in binary using ASCII Be able to explain the limitations of ASCII and the need for Unicode.	
Developing Foundation	Mostly secure – one or more gaps Significant gaps	Mostly secure – one or more gaps Significant gaps	Mostly secure – one or more gaps Significant gaps	
	Subject: Computer Science Year: 8	t Assessment Grid Unit: Web Development (HTML and CSS)		
KS4 target direction	4	6	8	
Advanced	Achieving aspects of pathway 6 competence	Achieving aspects of pathway 8 competence	Achieving outcomes beyond secure competence	
To be assessed as secure, students must achieve competence in all statements.	statements Secure The student can: • Plan appropriate web design structure • Use HTML to create a simple page of information • Define a website • Use appropriate names for pages	statements Secure Use and adapt HTML to add hyperlinks and different colouts • Create a website with no broken links or assets containing 2 pages minimum. • Use a range of appropriate assets for audience. • Use a consistent layout for each web	statements for pathway 8 Secure The student can: • Research and apply different HTML coding to enhance web page. • Create a website with at least 3 pages which can be navigates between in a consistent and sensible manner. • Use internal and external hyperlinks which enhance the website. • Fully evaluate their own website. • Comparing own website to renowned websited such as the BBC to improve final product.	
Developing	Mostly secure – one or more gaps	Mostly secure – one or more gaps	Mostly secure – one or more gaps	
Foundation	Significant gaps	Significant gaps	Significant gaps	
		A A A A A A A A A A A A A A A A A A A		
	Subject: Computer Science Year			
KS4 target direction	4	6	8	
Advanced	Achieving aspects of pathway 6 competence	Achieving aspects of pathway 8 competence	Achieving outcomes beyond secure competence	
	statements Secure The student can:	statements Secure The student can:	statements for pathway 8 Secure The student can:	

To be assessed as secure, students must achieve competence in all statements.	Write simple python programs that assign values to variables and receive keyboard inpput.	Locate and correct simple syntax errors.	Apply casting to code to execute programs correctly Combine iteration and selection to control the flow of program execution. Confidently debug programs.	
Developing	Mostly secure – one or more gaps	Mostly secure – one or more gaps	Mostly secure – one or more gaps	
Foundation	Significant gaps	Significant gaps	Significant gaps	
	Key Stage 3 Subje	t Assessment Grid		
Subject: Computer Science Year: 8 Unit: Cryptography				
KS4 target direction	4	6	8	
Advanced	Achieving aspects of pathway 6 competence statements	Achieving aspects of pathway 8 competence statements	Achieving outcomes beyond secure competence statements for pathway 8	
To be assessed as secure, students must achieve competence in all statements.	Secure The student can: Understand the term 'cyptography' Identify 2 early methods of cryptography Explain the reasons of encryption	Secure The student can: Be able to explain the reasons of encryption including advantages and disadvantages Research and investigate real life scenarios where cryptography was used Explain the term 'cryptography' To be able to extract information from a barcode Explain how personal information is securely transmitted over the internet by using encryption methods	Secure The student can:	
Developing	Mostly secure – one or more gaps	Mostly secure – one or more gaps	Mostly secure – one or more gaps	
Foundation	Significant gaps	Significant gaps	Significant gaps	
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	Subject: Computer Science Year:	t Assessment Grid Unit: Mobile App Development		
KS4 target direction	4	6	8	
Advanced	Achieving aspects of pathway 6 competence statements	Achieving aspects of pathway 8 competence statements	Achieving outcomes beyond secure competence statements for pathway 8	
	The student can: Add at least one extra measurable success criterion to the list. Create a basic outline of what is to be	Secure The student can: • Add sucess criteria to the list, most of which are relevant and measurable. Some criteria are subjective. • Create appropriate screen designs	Secure The student can: • Has added success criteria to the list, all of which are relevant and measurable. • Create screen designs with full annotations	
To be assessed as secure, students must achieve competence in all statements.	included on each screen. Little to no annotation. • Attempt to decompose the problem into more manageable steps. • Create a partially functional app and only meets some of the success criteria • Successfully use an event handler to perform an action triggers by the user.	provided, both of which act as a guide to style and layout. • Fully decompose the problem into sensible steps. • App is mostly functional and meets most of the success criteria. • Successfully implement: event handling, variables and selection.	to provide clear guidance on style, postions, ids and any linked events. Fully decompose the problem into sensible steps. App is fully functionsal and meets all of the success criteria. Successfully implement and extended the project to include: event handling, variables, selection and iteration.	
	included on each screen. Little to no annotation. • Attempt to decompose the problem into more manageable steps. • Create a partially functional app and only meets some of the success criteria • Successfully use an event handler to	provided, both of which act as a guide to style and layout. Fully decompose the problem into sensible steps. App is mostly functional and meets most of the success criteria. Successfully implement: event handling,	and any linked events. Fully decompose the problem into sensible steps. App is fully functionsal and meets all of the success criteria. Successfully implement and extended the project to include: event handling, variables,	