

## Inters Computing

		Computer Science		Digital literacy		IT
Level	Algorithms & data representation	Programming and development	Hardware & processing	Communication & Networks	Information technology	
1	I can find and detect errors in algorithms and possibly correct them	I can use iteration independently in a drag and drop program	I can identify the input, process and output of common everyday objects.	I understand what cyberbullying is and the roles that people play.	I can name my files appropriately and find and retrieve them independently.	
1	I can recognise similarities between simple problems and the ways in which they can be solved.	I can use selection independently in a drag and drop program	I understand the impact that more processing speed has on the way that my computer will operate	I know not to trust everything that I read on line and I know of ways to check out what I am looking at.	I can use emails effectively to communicate and can add attachments.	
					I can create sub- folders so that I can file my emails efficiently.	
1	I can take a problem and break it down into smaller sub problems	I can create an output in a text based program.	I understand that computers process data using the fetch, decode execute cycle	I know how to refine a search to make it more effective.	I can use my online notebook and the class notebook effectively and independently	
					I can upload to my notebook and share documents effectively.	
3	I know that digital computers use binary to represent all data	I can create a visual representation of simple program e.g. A flowchart	I know that all computers collect information from various inputs.	I know what a stand alone computer is	I can use appropriate software applications to present information.	
		I can create a program from a flowchart to achieve certain goals				
3	I know that images are stored in binary and understand what bits per pixel are	I know what a variable is in a text based program.	I know the difference between information and data.	I know what the advantages and disadvantages of having a network.	I can combine different forms of information and data effectively to produce an accurate piece of work.	
		I can create and name variables in a text based program				

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3	I know how sound is represented digitally	I can write a simple program that will accept user input	I know that there is a difference between application systems and operating systems	I know that there are different types of network typologies.	I can make appropriate improvements to my work based on the feedback that I have received.
5	I can convert binary into denary numbers and vice versa	I can take a given text based program and adapt it to create another solution.	I know what an operating system is.	I understand the layout of a web page and what HTML is	I can use a variety of multi media to create an effective solution.
5	I understand what resolution is in relation to images is and the impact it has on file size	I understand selection in a text based program.	I know the main functions of an operating system.	I understand the use of tags in HTML	I know the audience when I am designing and creating digital content.
				I can alter the layout of a webpage by changing some of the source code	
5	I understand what sample frequency is in relation to digital sound is and how this impacts on quality.	I can use IF and ELIF effectively in a text based program.	I can identify different operating systems.	I can add different formatting techniques to make a page in HTML to suit a given audience.	I can use criteria to evaluate the quality of solutions and can identify improvements making some refinements to the solution, and future solutions.
				I can make adjustments to my webpage in HTML following feedback	

SPG	1	3	5
	Spelling, punctuation and grammar are poor. Few technical words are used	Spelling, punctuation and grammar mistakes are present but these do not stop the understanding. Some technical words are used	There may be some spelling, punctuation and grammar mistakes but these are minor. Technical key words have been used.