

## Remove Computing

Level	Computer Science		Digital literacy		IT
	Algorithms & data representation & manipulation	Programming and development	Hardware & processing	Communication & Networks	Information technology
1	I know what an algorithm is and I can follow one to complete a task.	I know that users can write their own programs	I know that computers have no intelligence and that computers can do nothing unless a program is run	I can find content from the world wide web using a web browser.	Can save work into my userarea with guidance from my teacher
1	In know that computers need precise instructions	I can create a simple program using drag and drop applications with guidance from the teacher	I know that all computer systems work on the principle of input, process and output	I know the importance of communicating safely and respectfully online and the need to keep information private.	I can name my files appropriately with guidance from my teacher
1	I know that algorithms are implemented on digital devices as programs.	I can run, check and change simple programs with guidance from the teacher	I know that a range of different devices can be considered a computer. I Can identify an embedded system.	I can navigate the web and can carry out simple web searches to collect digital content.	I can find and retrieve files with guidance from my teacher
				I know how to refine a search to make it more effective.	
3	I can write an algorithm to complete a simple task	I can plan a sequence of instructions for something that I want to happen, with a little guidance	I understand the difference between hardware and software	I can show use of computers safely and responsibility, knowing a range of ways to report unacceptable content and contact when online	I can print my work.
	I read a sequence of instructions and predict what the possible outcome will be with some accuracy				
3	I can create a simple spreadsheet and use basic formatting tools	I can use simple selection statements and branching when creating a program with guidance from my teacher.(IF) with drag and drop programs	I can identify the main hardware and software components of a computer.	I know what is acceptable and unacceptable behaviour when using technologies and online services.	I can send and receive emails using my school email account
				I understand what cyberbullying is and the roles that people play.	

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3	I can carry out simple calculations using a spreadsheet.	I can use simple iterative (repetition) statements with guidance from my teacher (Loop) with drag and drop programs	I can identify a variety of input and output devices	I know that what I post online is likely to be stored on a server somewhere, even if I delete it.	Can save work into my userarea independently.
	I understand the difference between information and data.			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 save work into my online workbook and access documents from the class notebook with guidance.
5	I can use a analyse the information in a spreadsheet and use it to make predictions	I can use iteration independently in a drag and drop program	I can identify the input, process and output of common everyday objects.	I know what a network is and that benefits of a network.	I can name my files appropriately and find and retrieve them independently.
		I can use selection independently in a drag and drop program		I know that different pieces of hardware are needed for a network.	
5	I can use more complex spreadsheet functions such as COUNT and AVERAGE	I can create a sub routine	I understand the impact that more processing speed has on the way that my computer will operate	I know what a network protocol is and why they are important in networks	I can use emails effectively to communicate and can add attachments.
		I can use Boolean operators with guidance in a drag and drop program		I know the dangers of networks	I can create sub-folders so that I can file my emails efficiently.
5	I can use conditional formatting effectively	I can decompose a larger problem into smaller problems.	I understand that computers process data using the fetch, decode execute cycle	I know the difference between a wired and a wireless network.	I can save work into my online workbook and access documents from the class notebook independently.
	I can apply the skills that I have learned and create a spreadsheet to solve a problem.				

SPG	1	3	5
	Spelling, punctuation and grammar are limited. 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.