

Computing Vocabulary List, Year 7

Students are explicitly taught vocabulary as part of their lessons using our 'say it, write it, test it' approach.

Autumn		Spring		Summer	
Keyword	Definition	Keyword	Definition	Keyword	Definition
Digital Footprint	the data trail about a particular person that exists on the internet as a result of their online activity including the use of mobile phone, the internet and other connected devices	Iteration	the process of carrying out a set of instructions once, one run-through; in most programs loops are carried out many times	CPU	A hardware component that's the core computational unit in a server
Digital Citizenship	The responsible and respectful use of technology to engage online and find reliable sources	Sequencing	A basic algorithm, a set of steps carried out to complete a task	RAM and ROM	RAM is a volatile memory that temporarily stores the files you are working on, ROM is non-volatile memory that permanently stores instructions for your computer.
Privacy	keeping information away from public knowledge	Procedures	a set of instructions which performs an operation within a program	Motherboard	The main circuit in a computer
E-Safety	the safe and responsible use of technology	Algorithms	a sequence of steps designed to perform a particular task	Operating Systems	The software which manages computer hardware and software.
Algorithms	a sequence of steps designed to perform a particular task	Reliability	the quality of trustworthiness; how much something can be trusted	Memory	Stores information such as data and programs for immediate use in the computer.
Bubble Sorting	A sorting algorithm which swaps information until they are in the correct order	Primary	Research carried out by yourself	Volatile	likely to change suddenly and unexpectedly, especially by getting worse
Flowcharts	a diagram or simple plan that shows the stages of a process	Secondary	Research carried out by others	Non Volatile	not likely to change suddenly and unexpectedly
Iteration	the process of carrying out a set of instructions once, one run-through; in most programs loops are carried out many times	Sources	the beginning or place of origin; something or someone providing evidence	Storage	Computer technology to keep information safe when the computer is turned off
Inputs and Outputs	The information that is put into the computer and the program that is produced	Audience	the beginning or place of origin; something or someone providing evidence	Iteration	the process of carrying out a set of instructions once, one run-through; in most programs loops are carried out many times
Sequencing	A basic algorithm, a set of steps carried out to complete a task	Formulas	a maths equation or rule shown in letters and symbols	Sequencing	A basic algorithm, a set of steps carried out to complete a task
		Calculations	the process of working out the answer to a maths problem		

Computing Vocabulary List, Year 8

Students are explicitly taught vocabulary as part of their lessons using our 'say it, write it, test it' approach.

Autumn		Spring		Summer	
Keyword	Definition	Keyword	Definition	Keyword	Definition
Malware	software written to cause loss of data, encryption of data, fraud and identity theft	Target Audience	the beginning or place of origin; something or someone providing evidence	Iteration	the process of carrying out a set of instructions once, one run-through; in most programs loops are carried out many times
Virus	a simple program designed to cause harm to someone else's computer; it spreads by duplicating and attaching itself to other files	Testing	The process of evaluating and verifying that a program does what its supposed to do	Sequencing	A basic algorithm, a set of steps carried out to complete a task
Ransomware	A malware which blocks the access to the victims personal data until a ransom is paid	Storyboard	A graphic representation of how a project will unfold	Procedures	a set of instructions which performs an operation within a program
Phishing	trying to trick someone into giving out information over email	Primary and Secondary Research	Using first hand research you have carried out yourself, and using others existing research	Algorithms	a sequence of steps designed to perform a particular task
Abstraction	handling complexity by hiding unnecessary details from the user	Wireless access point	Allows wireless capable devices to connect to a wired network	Selection	The process of making a decision
Decomposition	the process by which a complex problem or system is broken down into parts that are easier to program and maintain	Router	A computer and networking device that forwards data packets between computer networks	IF statements	Allows you to make logical comparisons between values
Algorithms	a sequence of steps designed to perform a particular task	Server	A device that provides a service to another computer program and its user		
Pattern Recognition	a process which involves finding the similarities or patterns among small problems that can help solve more complex problems more efficiently	Network interface	The point of interconnection between a computer and a network		
Target Audience	the beginning or place of origin; something or someone providing evidence	Star Network	A spoke type network where each computer is connect to a central hub		
Testing	The process of evaluating and verifying that a program does what its supposed to do	Bus Network	Each computer is connected to a main cable		
Storyboard	A graphic representation of how a project will unfold	Mesh Network	Each computer is connected to at least one other device on the network.		
Primary and Secondary Research	Using first hand research you have carried out yourself, and using others existing research	Topology	The physical and logical arrangement of nodes and connections in a network		

Computing Vocabulary List, Year 9

Students are explicitly taught vocabulary as part of their lessons using our 'say it, write it, test it' approach.

Autumn		Spring		Summer	
Keyword	Definition	Keyword	Definition	Keyword	Definition
Binary	a computer language in which information is stored and functions performed using only the digits 0 and 1	Lasso Tool	Allows drawing a free form border around a selected object within an image	Iteration	the process of carrying out a set of instructions once, one run-through; in most programs loops are carried out many times
Denary	a numerical system of notation which uses 10 as its base	GIF	Graphics interchange format is a raster file format	Sequencing	A basic algorithm, a set of steps carried out to complete a task
Hexadecimal	a system of writing numbers in 'base 16'; all numbers are written using 0-9 and A-F	Cut out tool	A precise way to cut out parts of an image in photoshop	Procedures	a set of instructions which performs an operation within a program
Compression	the process of reducing the size of a file by re-encoding the file data to use fewer bits of storage	Layers	Different sections and parts of an image	Algorithms	a sequence of steps designed to perform a particular task
Lossy	Used to compress a file by losing some information	Motion Tween	Used to create animation movements	Selection	The process of making a decision
Lossless	Used to compress a file by not losing any of the data	HTML	Text based programming language mostly used to create websites	Abstraction	handling complexity by hiding unnecessary details from the user
AND	A logic gate where both inputs must be on for the output to be on			Decomposition	the process by which a complex problem or system is broken down into parts that are easier to program and maintain
OR	A logic gate where one or both inputs must be on for the output to work			Logic	A collection of rules specifies the order in which certain components should be placed to enable a computer to carry out particular tasks
NOT	The output is opposite to the input				
Truth Tables	A diagram which shows the truth of logic gates				