



Green Oaks Primary Academy Computing Vocabulary Progression

KS1

Both Key Stages

KS2

Key Stage Vocabulary	Definition
Information Technology	The study, use, and development of computer systems for storing, processing, retrieving, and sending information.
Object	Something that is uniquely identifiable and has attributes
Property (attribute)	A word or a phrase that can be used to describe an object such as its colour, size, or price
Technology	The use of scientific knowledge for practical purposes
Algorithm	A precise set of ordered steps that can be followed by a human or a computer to achieve a task
Attribute (property)	A word or a phrase that can be used to describe an object such as its colour, size, or price
Code	The commands that a computer can run
Code snippet	A section of a program viewed in isolation
Command	A single instruction that can be used in a program to control a computer
Computer	A programmable machine that accepts and processes inputs and produces outputs (input, process, output; IPO)
Data	A letter, word, number etc. that has been collected for a purpose, but stored without context
Debugging	The process of finding and correcting errors in a program
Information	Data put into a context that provides meaning
Program	A set of ordered commands that can be run by a computer to complete a task
Run (execute)	To action the commands in a program
Computer network	A group of interconnected computing devices
Computer system	A combination of hardware and software that can have data input to it, which it then processes and outputs . It can be programmed to perform a variety of tasks.
Condition	A statement that can be either True or False
Condition-controlled loop	An action that continues until another action is performed
Count-controlled loop	An action that repeats for a specified number of times
Data set	A collection of related data
Decompose	To break down a task into smaller, more achievable steps
Digital device	A computer or a device with a computer inside that has been programmed for a specific task
Domain name	The part of a website's URL that is user friendly and identifies that it is under the control of a particular person or organisation e.g. raspberrypi.org
Execute (run)	SEE: Run KS1&2
Hardware	The physical parts of a computer system

HTML (Hyper Text Markup Language)	A standardised language used to define the structure of web pages
Hyperlink	(Also: link, weblink) Text or media that when clicked, takes the user to another specified location (URL)
Infinite loop	A command that repeatedly runs a defined section of code indefinitely
Input	Data that is sent to a program to be processed
Input device	A piece of hardware used to control, or send data to, a computer
Internet	The global system of interconnected computer networks
Loop	(Count-controlled , condition-controlled , or infinite) Commands that repeatedly run a defined section of code
Object	Something that is uniquely identifiable and has attributes
Output	The result of data processed by a computer
Output device	A piece of hardware that is controlled by outputs from a computer
Procedure	A named set of commands that can be called multiple times throughout a program . This type of subroutine does not return a value.
Process	A program , or part of a program , that is running on a computer
Repetition	Part of a program where one or more commands are run multiple times in a loop
Router	A device that manages the flow of data between computer networks
Selection	Part of a program where if a condition is met, then a set of commands is run
Server	A networked computer that manages, stores , and provides data such as files to other computers
Software	The programs used to control computers and perform specific tasks
Stored (data)	Data kept digitally so that it can be accessed by a computer
Subroutine	A named sequence of commands designed to perform a specific task
Switch (network switch)	A device that manages the flow of data packets within a computer network
URL (Uniform Resource Locator)	(web address) The address of a file on the internet
Variable	A named piece of data (often a number or text) stored in a computer's memory, which can be accessed and changed by a computer program
Web browser	A program used to view, navigate, and interact with web pages
Web page	A HTML document viewed using a web browser
Website	A collection of interlinked web pages , stored under a single domain
Wi-Fi	A technology that allows devices to wirelessly access a network and transfer data
WAP (Wireless Access Point)	A network device that allows wireless computing devices to connect to a wired network
WWW (World Wide Web)	A service provided via the internet that allows access to web pages and other shared files