



## Computing Key Vocabulary

5.1

Key Vocabulary	
Database	A structured set of information stored and organized in a computer system
Ascending	Arranging items or data in a particular order from lowest to highest or in alphabetical order
Descending	Arranging items or data in a particular order from highest to lowest or in reverse alphabetical order
Field	A category or section within a database where specific pieces of information are stored
Information	Facts or knowledge about something
Keywords	Specific words or terms used to search for information in a database or search engine
Record	A piece of information or data that is written down or stored in a database
Retrieval	The action of bringing back or obtaining information from a database or storage system
Search	The act of looking for specific information or data in a database or other sources



## Computing Key Vocabulary

5.2

Key Vocabulary	
Abstraction	Taking the detail out of a problem to make it easier to solve
Algorithm	A step-by-step set of instructions or rules to solve a problem
Conditionals	Programming statements that allow the program to make decisions based on certain conditions being true or false
Decomposition	Splitting things into smaller parts
Logic	A way of thinking and reasoning that leads to valid conclusions and solutions
Loops	Loops are programming structures that repeat a set of instructions multiple times
Operators	Symbols or characters used in programming to perform specific operations on data
Sequence	The main structure of an algorithm or a computer program
Variable	A name that represents a value that can change in a program



## Computing Key Vocabulary

5.3

Key Vocabulary	
Algorithm	A step-by-step set of instructions or rules to solve a problem
Block	A piece of code that performs a specific action or task in programming
Conditionals	Programming statements that allow the program to make decisions based on certain conditions being true or false
Forever Loop	To repeat a particular action or code indefinitely in programming
Micro:Bit	A small programmable computer designed to introduce children to coding and digital technology
Scroll	To move up or down a digital document or webpage to view different sections
Variable	A name that represents a value that can change in a program



## Computing Key Vocabulary

5.4

Key Vocabulary	
Animation	To give the illusion of movement to drawings, models or inanimate objects
Animation	The process of creating moving images by quickly showing a series of drawings or pictures
Editing	The process of making changes to an animation
Frame	An individual picture in an animation
Image	A visual representation or picture that can be seen or displayed
Stick Figure	A simple drawing of a person or an animal made up of straight lines resembling a stick
Stop Frame Animator	A person who creates animated films or videos by capturing individual frames or pictures and then playing them together to create motion



## Computing Key Vocabulary

5.5

Key Vocabulary	
LAN (Local Area Network)	A network that connects computers and devices within a limited area, such as a home or an office building
Modem	A device that converts digital signals from a computer into analog signals that can be transmitted over telephone lines or cable lines
Network	A collection of computers, devices, or systems that are connected and can communicate with each other
Router	A device that directs traffic on a network by transmitting data messages from one network to another
Server	A powerful computer or system that manages and distributes resources and services to other computers or devices in a network
Switch	A networking device that connects devices within a local area network (LAN) by using packet switching
WAN (Wide Area Network)	A network that connects computers and devices over a large geographical area, such as different buildings or cities
Wi-Fi	A wireless networking technology that allows devices to connect to the internet without using cables or wires
Wireless	Any technology that does not require physical wires to communicate or transmit data between devices or systems



## Computing Key Vocabulary

5.6

Key Vocabulary	
CAD (Computer Aided Design)	A technology that allows engineers and designers to create detailed, precise, and accurate 2D and 3D models of objects using specialized software
Orbit	A tool that allows a 3D design to be viewed from all angles
Pan	A tool that allows a large design to be moved across the screen
Push/Pull Tool	A tool that can fill in or push out a solid 3D wall from a 2D outline
Select	The select tool is used to move or highlight aspects of the 3D drawing
Template	A pre-designed format or layout that can be used as a starting point for creating something new
Zoom	A tool to change how magnified a design is, making it appear larger or smaller on the screen