## Vocabulary Mapping: Computing

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	<u>I Am a Su</u>	per Surfer	Look Wha	at I Can Do	<u>I am a Comp</u>	uter Scientist
	computer Speaker Produce so computer Type Writing on a computer Technology Machin which use scientific Choices Choosing be more possibilities Internet A global no information and computer serious se	Movement Changing position Screen A flat panel such as a Television Mouse A computer mouse is a hand-held pointing device which moves a cursor around the screen Image A picture Keyboard A computer keyboard is an input device that allows a person to enter letters, numbers, and other symbols  Share To give or receive a something Instructions Step by Step-guidance to complete a tallows a person to enter letters, numbers, and other symbols		purpose  Movement Changing position  Screen A flat panel such as a Television  Mouse A computer mouse is a hand-held pointing device which moves a cursor around the screen  Image A picture  Keyboard A computer keyboard is an input device that allows a person to enter letters, numbers, and other symbols		eive a part of Step-by-step e a task
Year 1	Basic Computing	Producing Digital	Unplugged	Programming	Data Handling:	Presenting
	Skills	Media	Algorithms	Robots	Pictograms	Information
	<b>Keyboard</b> – a	<b>Keyboard</b> – a	Algorithm - a set	Beebot -	Pictogram - a	Image - a picture
	panel of keys that	panel of keys that	of instructions	programmable	type of graph that	composed of an
	operate a	operate a	that we complete	floor robot that is	uses pictures or	array of elements
	computer.	computer.	in order to	mainly used in	symbols to show	called pixels.
	<b>Letters</b> - any	<b>Letters</b> - any	achieve a task.	primary schools.	or compare data.	<b>Photograph</b> - a
	character that is	character that is	Program - a	Forward - he	<b>Graph</b> - a diagram	picture made
	not considered a	not considered a	sequence or set	direction that one	showing the	using a camera.
	number or	number or	of instructions in	is facing or	relation between	Import - bringing
	symbol.	symbol.	a programming	travelling	variable	in information
			language for a		quantities.	

Capslock - a key Capslock - a key from a file into a computer to Backwards - in Chart - a sheet of on a computer on a computer the direction of information in the execute. program. keyboard that keyboard that one's back **Text** - a collection Instruction - an form of a table. allows users to order given to a Right - the graph, or of words or allows users to generate letters generate letters computer position towards diagram. letters that are in uppercase. in uppercase. processor by a which someone **Tally** - a current understandable Shift - a key on a Shift - a key on a by the reader. computer or something score or amount. keyboard that keyboard that program. Collect - bring or Font - a graphical moves. when pressed when pressed Code - the set of **Left** - the position representation of gather together enables an enables an instructions, or a towards which text that may (a number of alternate set of system of rules, things). include a alternate set of someone or something moves different characters to be characters to be written in a Count produced by the produced by the typeface, point Turn - a change in particular determine the size, weight, other kevs. other kevs. programming the direction that total number of **Enter-** sends the colour, or design. **Enter-** sends the you are moving. (a collection of language. cursor to the Program - a items). Colour - he cursor to the beginning of the beginning of the sequence or set Data property possessed by an next line or next line or of instructions in information that a programming object of executes a executes a has been command or command or language for a translated into a producing operation. operation. computer to different form that is Backspace - the Backspace - the efficient for sensations on the execute. keyboard key that keyboard key that Algorithm - a set movement or eye as a result of originally pushed originally pushed the way it reflects of instructions processing. the typewriter the typewriter that we complete or emits light. carriage one carriage one in order to Delete - a position. position. achieve a task. command or key Log In - the Log In - the **Clear** - remove on a computer process by which process by which an obstruction or which erases text. an individual an individual

	gains access to a	gains access to a		unwanted item or		
	computer system	computer system		items from		
	by identifying and	by identifying and				
	authenticating	authenticating				
	themselves.	themselves.				
	Shut Down - to	Shut Down - to				
	remove power	remove power				
1	from a	from a				
	computer's main	computer's main				
	components in a	components in a				
	controlled way.	controlled way.				
Year 2	What is a	<u>Unplugged</u>	<b>Basic Block</b>	Storing and	<b>Modifying Text</b>	Presenting Data
	computer?	<u>Algorithms</u>	<b>Coding</b>	Presenting Data	and Images	Audience - A
	Computer - an	Sequence - the		Records - a basic	Text - collection	person or group
	electronic device	first programming	Sequence - the	data structure.	of words or	of people you're
	for storing and	construct.	first programming	Fields - a single	letters that are	targeting or want
	processing data,	Code - the set of	construct.	item of data	understandable	to reach.
	typically in binary	instructions, or a	Code - the set of	contained in a	by the reader.	Font - a graphical
	form, according to instructions given	system of rules,	instructions, or a	column within a	Bold - A set of	representation of
	to it in a variable	written in a	system of rules,	database.	type characters	text that may
	program.	particular	written in a	Value - is the	that are darker	include a
	Input - data that is	programming	particular	representation of	and heavier than	different
	entered into or	language.	programming	some entity that	normal.	typeface, point
	received by a	Blocks - a	language.	can be	Italic - A typeface	size, weight,
	computer.	sequence of bytes	Blocks - a	manipulated by a	with letters	color, or design.
	Output - how the	or bits, usually	sequence of bytes	program.	slanted slightly to	Online - by means
	computer presents	containing some	or bits, usually	<b>Data</b> - facts and	the right	of the internet or
	the results of the	whole number of	containing some	statistics	<b>Keyboard</b> - a	other computer
	process	records	whole number of	collected	panel of keys that	network.
			records	together for	•	

		Sprites - a two- dimensional bitmap that is	Sprites - a two- dimensional bitmap that is	reference or analysis.  Database -	operate a computer.	
		integrated into a	integrated into a	structured set of data held in a		
		larger scene, most often in a	larger scene, most often in a	computer		
		2D video game.	2D video game.	<b>Graphs</b> - a		
		Repeat - lines of code will be run	Repeat - lines of code will be run	diagram showing the relation		
		multiple times.	multiple times.	between variable		
		Bug - an error in	Bug - an error in	quantities,		
		the source code	the source code	typically of two		
		that causes a	that causes a	variables, each		
		program.	program.	measured along		
		Debugging -	Debugging -	one of a pair of		
		checking the code	checking the code	axes at right		
		in a computer	in a computer	angles.		
		program to	program to	Chart - a sheet of		
		ensure it works.	ensure it works.	information in the		
				form of a table,		
				graph, or diagram.		
				S <b>ort</b> - arranging in		
				an ordered		
				sequence		
Year 3	Programming a	Composing	Creating a	Alerting Digital	<b>How Things Work</b>	Publishing Online
	<u>Game</u>	<u>Emails</u>	<u>Programmable</u>	<u>Media</u>	including	<u>Content</u>
	<b>Sequence</b> - to set	Email - a	<u>World</u>	Camera - a digital	<u>Networks</u>	Social media -
	down instructions	communication	Kodu - a video	video device		websites and
	one after another	method that uses	game			applications that

for the computer to execute in turn. **Selection** - when you choose part of something. **Repetition** - when part of a program repeats itself. Input -Information that goes into the computer. Output -Information that comes out of the computer. Algorithm - a set of instructions that we complete in order to achieve a task. Programming collection of instructions or algorithms designed to simplify processes.

electronic devices to deliver messages across computer networks. Malicious - any program or file that is intentionally harmful to a computer, network or server. Phishing - A technique for attempting to acquire sensitive data, such as bank account numbers. Social media **networks** - a computer technology that lets people share ideas, opinions, and information through online networks and communities.

development platform developed by Microsoft. Computational Algorithm a list set of instructions, used to solve problems or perform tasks, based on the understanding of available alternatives. Programming - a procedure or formula used for solving a problem. Debugging checking the code in a computer program to ensure it works. Sequence - to set down instructions one after another for the computer to execute in turn.

commonly built into a computer. Image - a picture composed of an array of elements called pixels. Filter - changing the appearance of an image by altering the colors of the pixels. Crop - to trim or cut back an image Pixel - a minute area of illumination on a display screen, one of many from which an image is composed. Portfolio - a collection of drawings, documents, etc. that represent a person's, especially an artist's, work. **Theme** - he subject of a talk,

Laptop - a computer that is portable. **Desktops** - a personal computing device designed to fit on top of a typical office desk. Hard drive - a disk on which a large amount of information can be stored. Fan - used for active cooling. Heat sink - to properly remove heat from device components to improve device performance and extend its life. **Keyboard** – a panel of keys that operate a computer. Motherboard the backbone

that ties the

enable users to create and share content or to participate in social networking. Graphic design the art or skill of combining text and pictures in advertisements, magazines, or books. **Username** - an identification used by a person with access to a computer, network, or online service. Password - a secret word or phrase that must be used to gain admission to a place. Marketing - the activity or business of promoting and selling products

Debugging -Sprite - a twopiece of writing, computer's or services, Internet - a checking the code exhibition, etc including market worldwide dimensional components in a computer bitmap that is Consent - give together at one research and system of program to computer integrated into a permission for spot and allows advertising. something to ensure it works. networks. larger scene them to talk to Template - a Computational **Artificial** form, mold or World wide web happen. each other. thinking – the all the public Intelligence - the Microprocessor pattern used as a guide to make decision-making websites or pages simulation of an integrated progress used in something. human that users can circuit that programming and intelligence contains all the Elements - a access on their writing local computers processes by functions of a smaller algorithms. machines, central processing component of a and other devices through the especially unit of a larger system. internet. computer computer. **Text effect** - the modification of **Webcam** - a video systems. Memory - a camera which is NPC (non-player device or system typography in a designed to character) - a that is used to way that makes record or stream character in a store information the content more for immediate to a computer or computer game engaging. that is not use in a computer **Filter -** a program controlled by or section of code network. computer. Disc drive - a that's designed to someone playing examine each the game technology that enables the **Pathway** - a string input or output of characters reading, writing, request for used to uniquely deleting and certain qualifying identify a location modifying of data criteria and then in a directory on a computer process or storage disk. forward it structure. accordingly.

		Network -	Adjust - alter or
		interconnected	move
		computing	(something)
		devices that can	slightly in order
		exchange data	to achieve the
		and share	desired fit,
		resources with	appearance, or
		each other.	result.
		Router - a device	Crop - to trim or
		that connects two	cut back an
		or more packet-	image.
		switched	
		networks or	
		subnetworks.	
		<b>Hub</b> - a node that	
		broadcasts data	
		to every	
		computer or	
		Ethernet-based	
		device connected	
		to it.	
		Switch -	
		facilitates the	
		sharing of	
		resources by	
		connecting	
		multiple devices.	
		Wifi - a wireless	
		networking	
		technology that	

					uses radio waves	
					to provide	
					wireless high-	
					speed Internet	
					access.	
Year 4	Repetition and	Coding with	Branching	Networks and	Creating a Video	<u>Spreadsheets</u>
	Forever Loops	<u>Scratch</u>	<u>Databases</u>	Online Services	Video - a	Spreadsheet - a
	Repeat – when	Sequence - to set	Branching	WAN - a large	recording of	computer
	part of a program	down instructions	database - used	network of	moving visual	program that can
	repeats itself.	one after another	to help identify	information that	images	capture, display
	Forever –	for the computer	the objects by	is not tied to a	Special effects -	and manipulate
	something that	to execute in	answering	single location.	illusions or visual	data arranged in
	happens	turn.	questions with	LAN - a series of	tricks	rows and
	continually.	Variable - a value	either 'yes' or	computers linked	CGI - computer-	columns.
	<b>Loop</b> – a	that can change,	'no'.	together to form	generated	Rows - horizontal
	sequence of	depending on	Database -	a network in a	imagery	set of data or
	instruction s that	conditions or on	collection of	circumscribed	Greenscreen -	components.
	is continually	information	structured	location.	blank green	Columns - a
	repeated until a	passed to the	information, or	Network -	background that	group of cells that
	certain condition	program.	data, typically	interconnected	can be used to	are vertically
	is reached.	Algorithm - a list	stored	computing	create special	stacked and
	Code –	set of	electronically in a	devices that can	effects	appear on the
	information and	instructions, used	computer system.	exchange data	Audio - sound,	same vertical line.
	commands into a	to solve problems	Organise - the	and share	especially when	Algebra - he part
	program.	or perform tasks,	understanding of	resources with	recorded,	of mathematics in
	<b>Debug</b> - checking	based on the	the computer and	each other.	transmitted, or	which letters and
	the code in a	understanding of	its components	Router - a device	reproduced.	other general
	computer	available	and how they	that connects two	Image - a picture	symbols.
	program to	alternatives.	work and perform	or more packet-	composed of an	Formula - a
	ensure it works.		together.	switched		mathematical

Algorithm - a set	Code - the set of	Transition - a	networks or	array of elements	relationship or
of instructions	instructions, or a	computer science	subnetworks.	called pixels.	rule expressed in
that we complete	system of rules,	paradigm in the	Wifi - a wireless	<b>Text</b> - a collection	symbols.
in order to	written in a	context of	networking	of words or	Pixel - the basic
achieve a task.	particular	communication	technology that	letters that are	unit of
Sequence - helps	programming	systems	uses radio waves	understandable	programmable
us to ensure that	language	Slides - a single	to provide	by the reader	colour on a
things happen in	Repeat - lines of	page developed	wireless high-	,	computer display
the correct order.	code will be run	using a	speed Internet		or in a computer
Selection- when	multiple times.	presentation	access.		image.
you choose part	Loop - a sequence	program.	Wireless - a		Binary - a
of something.	of instruction s	Log - keeping a	computer		numbering
	that is continually	record of events	network that		scheme in which
	repeated until a	that occur in a	makes use of		there are only
	certain condition	computer system	Radio Frequency		two possible
	is reached.		(RF) connections		values for each
	Input -		between nodes in		digit 0 or 1
	Information that		the network.		
	goes into the		Local - the		
	computer.		computer you are		
	Output -		using.		
	Information that		Cable - the		
	comes out of the		medium through		
	computer.		which		
	Device - A		information		
	functional unit		usually moves		
	that can perform		from one network		
	substantial		device to		
	computations,		another.		
	including				

numerous	Connection - the
arithmetic	link between a
operations and	plug or connector
logic operations	into a port or
without human	jack.
intervention.	Binary - a
	numbering
	scheme in which
	there are only
	two possible
	values for each
	digit 0 or 1
	Modem - any of
	a class of
	electronic devices
	that convert
	digital data
	signals into
	modulated analog
	signals suitable
	for transmission
	over analog
	telecommunicatio
	ns circuits.
	Switch - a device
	in a computer
	network that
	connects other
	devices together.
	devices together.

				Server - a computer program or device that provides a service to another computer program and its user, also known as the client.		
Year 5	Variables, If and	Create / Search	3D Modelling	Creating Music	Stop Motion	<u>Difference</u>
	<u>If Else</u>	<u>Database</u>	CAD (Computer	_	<b>Animation</b>	WWW/Internet
	Statements	Algorithm - a list	aided design) -	Samples -	Animation - form	Network -
	Database - an	set of instructions,	the use of	sampling is the	of animated	interconnected
	organized	used to solve	computer-based	reuse of a portion	graphics using	computing
	collection of	problems or	software to aid in	(or sample) of a	computers that	devices that can
	structured	perform tasks, based on the	design processes.	sound recording	replaced both	exchange data
	information, or	understanding of	Template - a	in another	"stop-motion"	and share
	data, typically	available	form, mold or	recording.	animation of	resources with
	stored	alternatives.	pattern used as a	Composition –	scale-model	each other.
	electronically in a	Sprite - two-	guide to make	the creating of	puppets and	Wireless access
	computer system.	dimensional	something.	an original piece	hand-drawn	<b>points</b> - hardware
	generally	bitmap that is	Select -	or work of music	animation of	device or
	referred to as	integrated into a	highlighting text	Rhythm - a	drawings.	configured node
	data.	larger scene.	or picking an	strong, regular	Frame - a	on a local area
	Record - a	<b>Loops -</b> a sequence of instruction s that	object.	repeated pattern	combination of	network (LAN)
	collection of	is continually	<b>Draw</b> - produce (a	of movement or	the image and the	Server - a
	fields, possibly of	repeated until a	picture or	sound.	time of the image	computer or
	different data	certain condition is	diagram) by		when exposed to	computer
	types, typically in	reached.			the view.	program which

Variables - a value making lines and **Pivot Stick Figure** a fixed number manages access that can change, - allows you to and sequence. marks to a centralized depending on Field - is a **Zoom** - change join figures resource or conditions or on particular piece of smoothly from a together so that service in a information passed long shot to a data. figures can be network. to the program. Retrieval - the close-up or vice positioned as if Router - a device **Events** - an action process of they were a single that forwards versa. or occurrence obtaining Paint bucket figure. data packets to recognized by information **Image** - a picture where colours the appropriate software can be selected. composed of an parts of a system resources Sensing - input that are relevant devices that record array of elements computer data about the to an information called pixels. network. physical Stop Frame need from a Wired device environment collection of animation that is any electronic around it. captured one those resources. device that uses a Forever - a loop Search - a frame at time, cable with wires that will print function or with physical to connect to a "Infinite Loop" process of finding objects that are power source without halting. letters, words, and/or moved between files, web pages, frames. communicate with another or other data. Editing - he Kevwords - a process of making device. changes to a text Wireless device term used in digital marketing or film Any device that to describe a can connect to an word or a group ICS network via of words an radio or infrared waves, usually to Internet user uses to perform a collect or monitor data, but also in search in a search

	engine or search bar.  Ascending - Arranging data from the normal low to high sequence.  Descending - Arranging data from high to low sequence					some cases to modify control set points.  Ethernet cable - network cable which is used for wired networks
Year 6	<b>Using Variables</b>	Programme for	Creating Formula	How Data is	Plan and	<u>HTML</u>
		an Audience	<u>in Excel</u>	<u>Stored</u>	Compose Music	HTML - a text-
	Algorithm - a set		Cell - a	Server - a	Timeline - a visual	based approach
	of instructions	Algorithm - a set	rectangular area	computer	representation of	to describing how
	that we complete	of instructions	formed by the	program or	a chronological	content
	in order to	that we complete	intersection of a	device that	sequence of	contained within
	achieve a task.	in order to	column and a	provides a service	events along a	an HTML file is
	Abstraction - he	achieve a task.	row.	to another	drawn line that	structured.
	extraction of	Abstraction - he	Column - a	computer	helps a viewer	Tags - a keyword
	relevant	extraction of	vertical series of	program and its	understand time	or term assigned
	information from	relevant	cells in a chart,	user, also known	relationships.	to a piece of
	a larger data set.	information from	table, or	as the client.	Crop - To remove	information
	<b>Decomposition -</b>	a larger data set.	spreadsheet.	Router - a device	parts of a digital	Elements - a
	breaking down a	Decomposition -	Row - horizontal	that connects two	image or physical	smaller
	complex problem	breaking down a	set of data or	or more packet-	photo to retain a	component of a
	or system into	complex problem	components.	switched	smaller section of	larger system.
	smaller parts.	or system into	Formulae -	networks or	the original.	Line breaks - a
	Logic - sequence	smaller parts.	equations that	subnetworks.	Split - the	command or
	of operations		perform		processes of	sequence of

performed by	Logic - sequence	calculations on	Data- information	taking a segment	control characters
hardware or	of operations	values in your	that has been	of data and	that returns the
software.	performed by	sheet.	translated into a	dividing the data	cursor to the next
Sequence - to set	hardware or	Graph - an	form that is	into two or more	line and does not
down instructions	software.	abstract data type	efficient for	portions.	create a new
one after another	Sequence - to set	that can be used	movement or	<b>Layer</b> - to break	paragraph.
for the computer	down instructions	to represent	processing.	up the sending of	Links - an item
to execute in	one after another	complex, non-	Switch - a device	messages into	like a word or
turn.	for the computer	linear	in a computer	separate	button that
Variable - a value	to execute in	relationships	network that	components and	points to another
that can change,	turn.	between objects.	connects other	activities.	location.
depending on	Variable - a value	Chart - is a	devices together.		
conditions or on	that can change,	graphical	Modem - any of a		
information	depending on	representation of	class of electronic		
passed to the	conditions or on	data.	devices that		
program.	information	Spreadsheet - a	convert digital		
Input -	passed to the	computer	data signals into		
Information that	program.	program that can	modulated analog		
goes into the	Input -	capture, display	signals suitable		
computer.	Information that	and manipulate	for transmission		
Output -	goes into the	data arranged in	over analog		
Information that	computer.	rows and	telecommunicatio		
comes out of the	Output -	columns.	ns circuits.		
computer.	Information that	<b>Tab</b> - aligning text	Wireless Devices		
<b>Debug</b> - checking	comes out of the	in a word	-		
the code in a	computer.	processor by	Any device that		
computer	<b>Debug -</b> checking	moving the cursor	can connect to an		
program to	the code in a	to a predefined	ICS network via		
ensure it works.	computer	position.	radio or infrared		
			waves, usually to		

Operators - a	program to	Workbook - single	collect or monitor	
character that	ensure it works.	file containing	data, but also in	
represents a	Operators - a	several different	some cases to	
specific	character that	types of related	modify control	
mathematical or	represents a	information as	set points.	
logical action or	specific	separate		
process.	mathematical or	worksheets.		
Loops - a	logical action or	Merge - combine		
sequence of	process.	or cause to		
instruction s that	Loops - a	combine to form		
is continually	sequence of	a single entity.		
repeated until a	instruction s that	Auto Sum -		
certain condition	is continually	function in a		
is reached.	repeated until a	spreadsheet		
	certain condition	program that		
	is reached.	inserts a formula		
		in the selected		
		cell that adds the		
		numbers in the		
		column above it.		