



program



algorithm



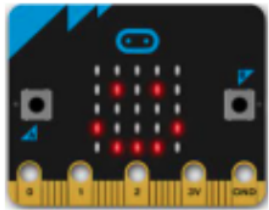
parameter



input



output



microbit



We Are Makers



error



editor



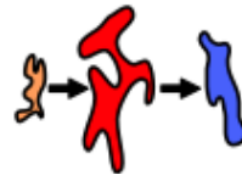
debug



function



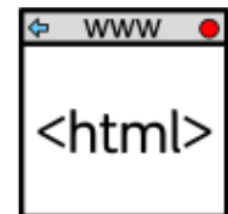
URL



variable


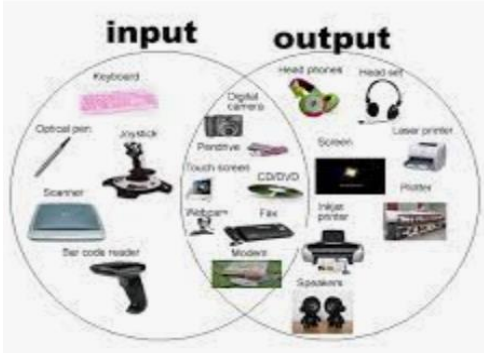




motion



HTML

Y4 Computing - We Are Makers: Y4 Topic Vocabulary Mat

Subject Specific Vocabulary		Relevant Pictures	Exciting Books/Websites
program	A series of coded software instructions to control the operation of a computer or other machine.	 	<ul style="list-style-type: none"> Kids who created apps 
algorithm	A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.		
source	A text listing of commands to be compiled or assembled into an executable computer program.		
input	What is put in, taken in, or operated on by any process or system.		Other Information
output	Devices that display information and the result of processed input data.		Closing the gender gap in coding. The first computer programmer. 
micro:bit	A pocket-sized computer that introduces you to how software and hardware work together.		
editor	Any program capable of editing program files.	What I've learnt already	Key Knowledge
error	A mistake.	Y3: <ul style="list-style-type: none"> There are different programming languages, and Scratch is a block-based language in which sequencing blocks creates a program. Know how the wait, glide, say and think blocks function in a program. Creating a Sprite or backdrop on Scratch is creating output from the computer in the form of images. * 	<ul style="list-style-type: none"> Definitions of the unit's key vocabulary, particularly: computer, input, output, variable, simulator, source code and object code. * A micro: bit is a small programmable computer which stores and runs simple programs. The micro: bit has different inputs and outputs that the children should develop an awareness of. An accelerometer is an input on the micro:bit that detects and provides information about changes in motion (motion sensor).* Familiar with the MakeCode block editor and the micro:bit, including knowing the function of different blocks, predicting how a micro:bit program will work, detecting errors and understanding how to transfer code to the micro:bit.*
fix	A quick-repair job for a piece of programming designed to resolve functionality issues, improve security or add new features.	Y2: <ul style="list-style-type: none"> Sprites are on-screen characters that can be given their own sequence of instructions to produce outputs. 	
code	Set of instructions, or a system of rules, written in a particular programming language.	Y1: <p>Input is data (information) supplied to a computer and output is information produced by a computer (like a beebot moving forwards).</p>	