Programmers
Computer
Mouse
Coding
Programming
Search engine
We are programmers
Sequence
Output device
Internet
Network
Algorithm
Online safety
Program
Keyboard

Computing - We are Programmers: Y3 Topic Vocabulary Mat

Subject Specific Vocabulary		Relevant Pictures	Exciting Books/Websites
Abstraction	Computational thinking approach to managing complexity by simplifying things. This is done by identifying what is important and what detail can be hidden or ignored.		 https://hourofcode.com/uk/learn
Algorithm	a sequence of precise instructions or steps (sometimes a set of rules) to achieve an objective.		
Bug	An error or mistake in a program or algorithm, causing the computer or robot to behave in a manner that was not originally intended.		
Code	Instructions (or sometimes rules) that can be understood by a computer.		
Debug	To correct mistakes in a computer program or algorithm.		
Decomposition	Breaking a problem down into smaller parts.	**Key Knowledge**	**Other information**
Event	Something that happens within a computer program to cause some particular code to be run, such as an internal message being received, or a sprite being tapped by the user.	• There are different programming languages, and Scratch is a block-based language in which sequencing blocks creates a program.* • A storyboard is a way of expressing an algorithm for an animation.	• There are around 700 separate programming languages • The world's first computer programmer was a renowned female mathematician – Ada Lovelace. https://kids.kiddle.co/Ada_Lovelace) • Computer Programming was instrumental in helping end World War II. • The first computer virus was created in 1986 on which de-bugging was practiced on.
Scratch	Simple, block-based programming language in which programs for characters are built by snapping together code blocks.	• The storyboard is the sequence of stages in the animation. • Each step in the storyboard must be implemented as a sequence of blocks to program the animation.*	
Sequence	Placing programming instructions in order, so that each happens one after the other.	• Creating a Sprite or backdrop on Scratch is creating output from the computer in the form of images. * • Know how the wait, glide, say and think blocks function in a program. To begin to understand the function of broadcast and when I receive*	
Storyboard	A visual representation of the key scenes or frames in a video; one way of recording an algorithm visually.	• Order control - e.g. send forward - can be done using Scratch blocks if needed to make one Sprite appear in front of or behind other Sprites. • Inappropriate content or contact can be reported to those running websites e.g. comment and content concerns on Scratch can be reported to community moderators. • Children should turn their screen off or close the laptop lid if they see an image they are concerned about. They should then tell a teacher straight away.	