

How to use computers purposefully and safely.

- Explore what Scratch can do and how code works.
- Create music by looping code to make a melody.
- Remix the code of an animation to make it personal and add detail.
- Take a story and remix the code to change the beginning and the ending.
- Decompose the code of a game and then replicate it using Scratch.

Key Skills – becoming familiar with Scratch.



Key Vocabulary

Animation	Bringing concepts to life through moving pictures, for example, cartoons.
Code (computer)	A set of instructions written in a programming language (called code) that tells a computer what to do.
Bug	An error or mistake in computer code. Correcting an error is <i>debugging</i> .
Decompose	To break something into smaller chunks, usually to solve a problem.
Interface	The menus and buttons used by humans to communicate with a computer or program.
Loop	A repeated sequence of instructions or code.
Program	The code that instructs a computer to perform a specific task.
Loop	A repeated sequence of instructions or code.
Remixing code	Altering code that already exists to improve it or add more functions.
Sprite	On-screen character that can be programmed to perform actions such as moving or speaking.

Websites to help:

Scratch is free to use and can be accessed at <https://scratch.mit.edu/>

Scratch also offers free tutorial projects: <https://scratch.mit.edu/studios/1817151/>

There is help available for Scratch on various YouTube sites.