BRUNSHAW PRIMARY SCHOOL

Inspiring children to be resilient and aspirational learners, within a positive and considerate community

Subject: Computing	Year group: 3 Term: Spring 1	Title: Sequencing sounds

What should I already know?

- Computers can be used to play sounds of different instruments
- The same pattern can be represented in different ways
- There are similarities and differences between playing music on instruments and making music on a computer
- An input is data entered into a computer
- A process acts on the input
- An output is produced by the process
- Changing the process can affect the output

Facts I will learn

- Programs start because of an input
- A sequence is the order in which instructions occur and are processed
- A program includes sequences of commands
- The sequence of a program is a process
- The order of commands can affect a program's output
- Different sequences can achieve the same output
- Different sequences can achieve different outputs

Key questions

- What are the different commands and objects in Scratch?
- How can sprites move?
- Can I create a sequence of commands?
- How are sequences used in a program?
- Can I change the appearance of my project?
- Can I use Scratch to create a musical instrument?

Key Skills

- To build a sequence of commands
- To combine commands in a program
- To order commands in a program
- To create a sequence of commands to produce a given outcome

Experiences that school will provide

- Opportunities to use a range of hardware and software
- Cross-Curricular links with Music

Key vocab

Key vocab	Definition
Scratch	A block-based programming language and website
Programming	Writing a code that instructs how a computer or program performs
Blocks	Puzzle-piece shapes that are used to create code in Scratch
Command	A single instruction that can be used in a program to control a computer

Web links

- Scratch - Imagine, Program, Share
  Online block-based programming site
- How can we be respectful and responsible online? - BBC Bitesize
  Online safety advice

Experiences that could be provided at home

- Discuss rules and expectations around Online Safety. Explain to your child how different types of online use present unique risks.
- Discuss as a family what you would do if you were upset or unsure about something you saw online

Code	The commands that a computer can run
Sprite	An object or character in Scratch
Costume	One of the different appearances of a sprite
Stage	The background of a Scratch project
Motion	Blocks in Scratch that control a sprite's movement
Run the code	To action the commands in a program
Algorithm	A precise set of ordered steps that can be followed by a human and implemented on a computer to achieve a task
Debug	The process of finding and correcting errors in a program