

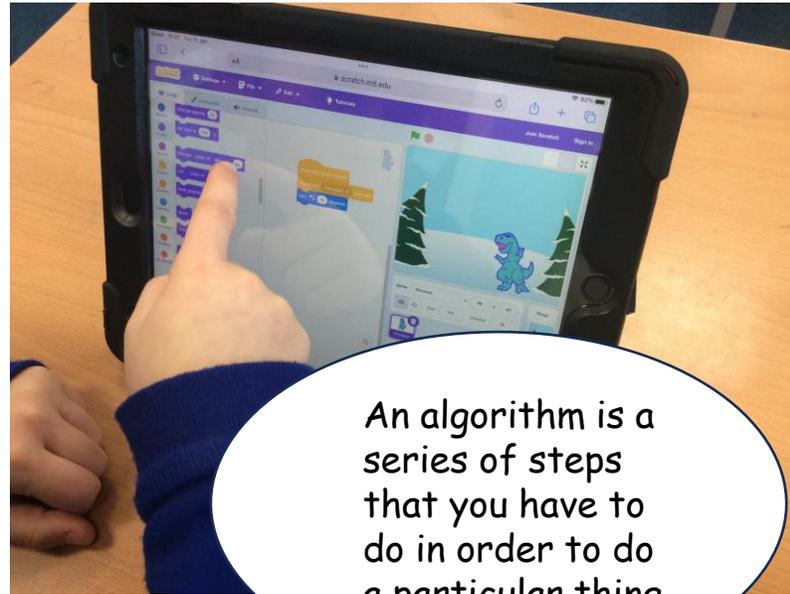


How can I use
Scratch to create
a sound sequence?

Class Tamar Spring Term 1
2024

Computing

We went through what we had learnt in Scratch previously and how we can sequence events and use the blocks to create an algorithm.



An algorithm is a series of steps that you have to do in order to do a particular thing.

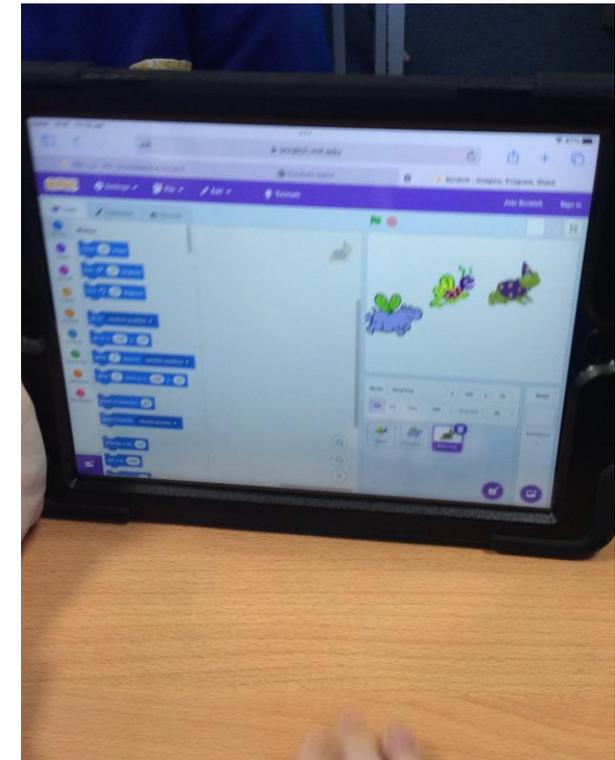
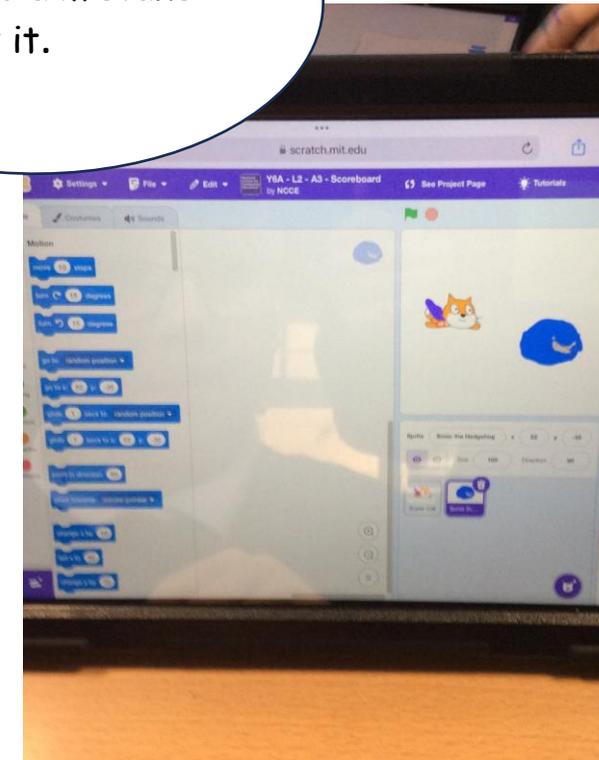
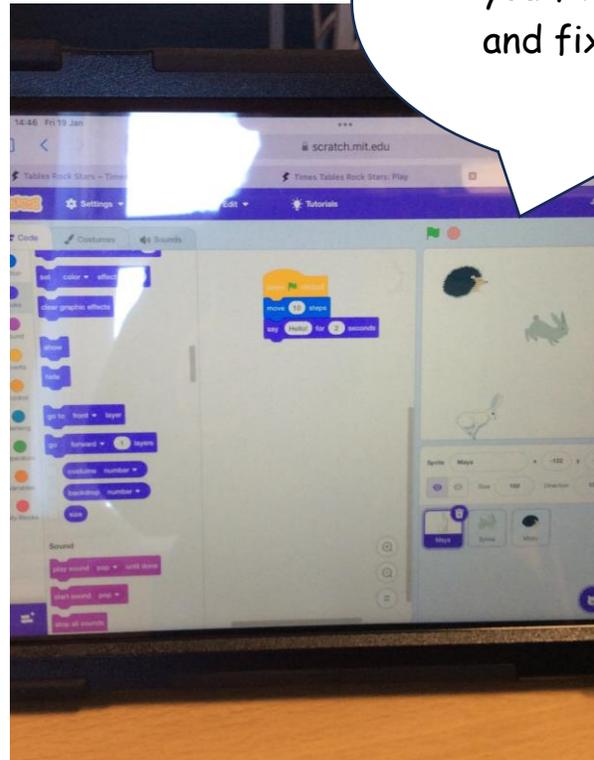
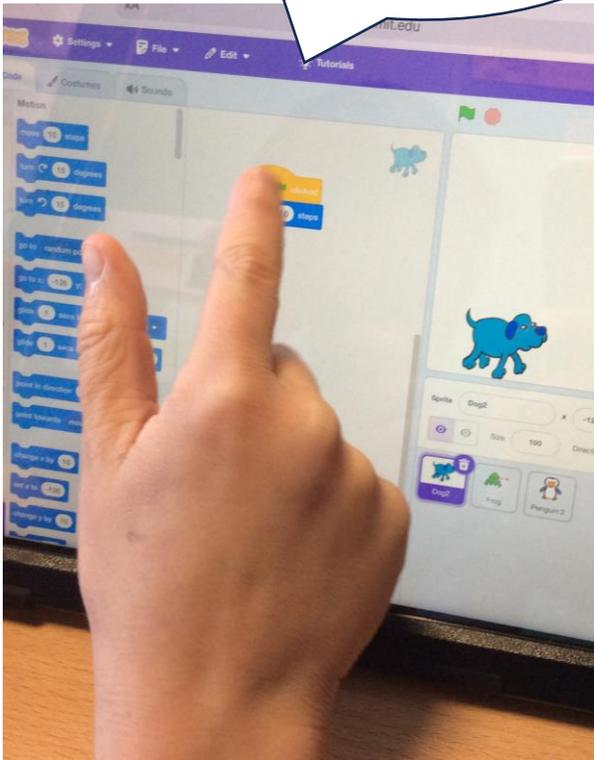


Scratch is really fun because you can make your Sprite do things.

We made a simple sequence using different Sprites and added sound.

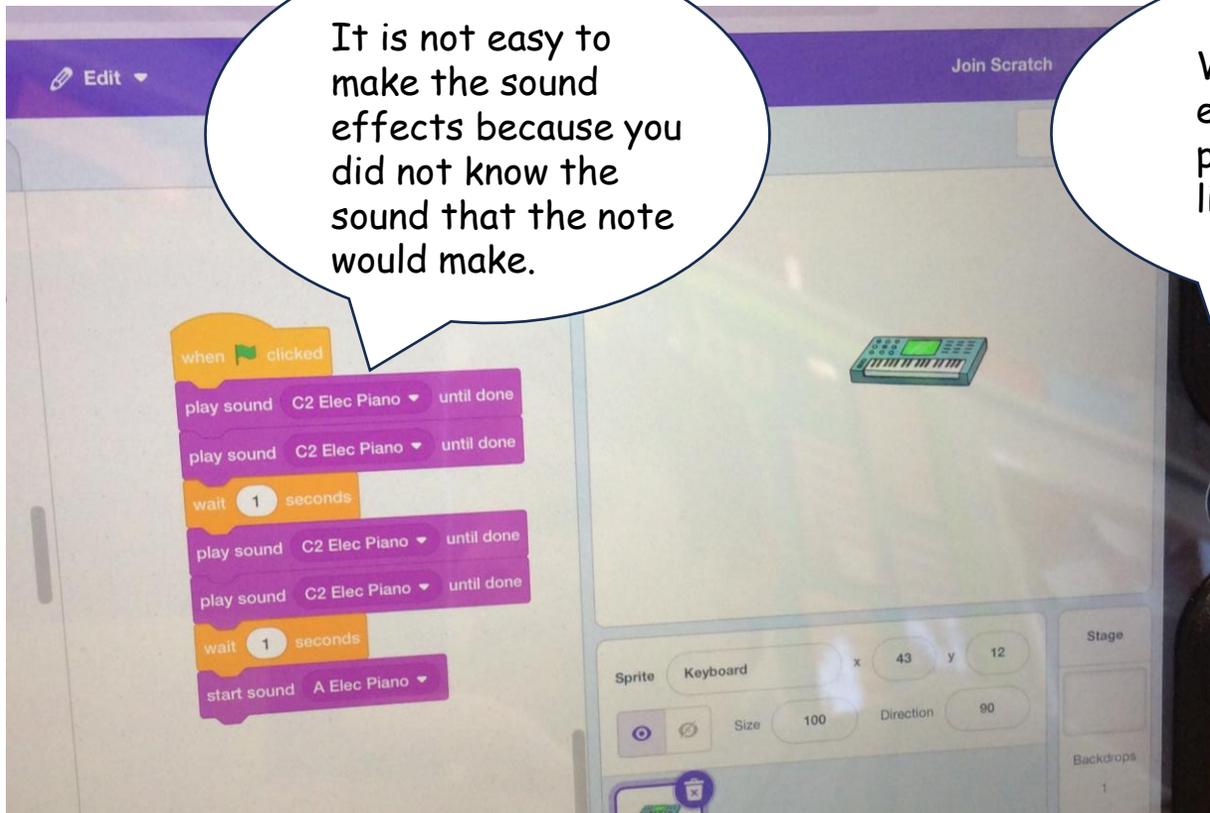
We had to use different blocks to create sounds.

Debugging is when you find a mistake and fix it.



We created a short sequence using a few piano keys and shared them

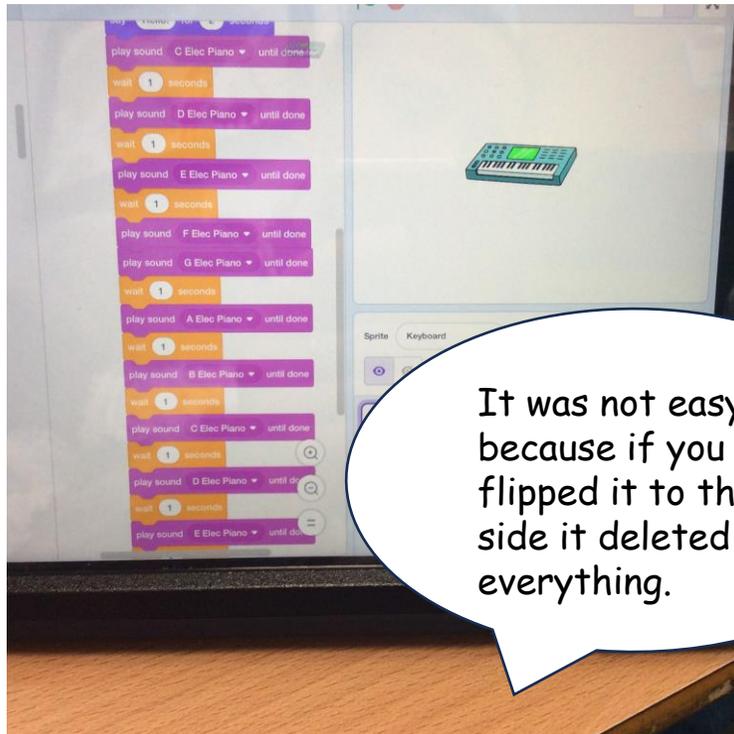
It is not easy to make the sound effects because you did not know the sound that the note would make.



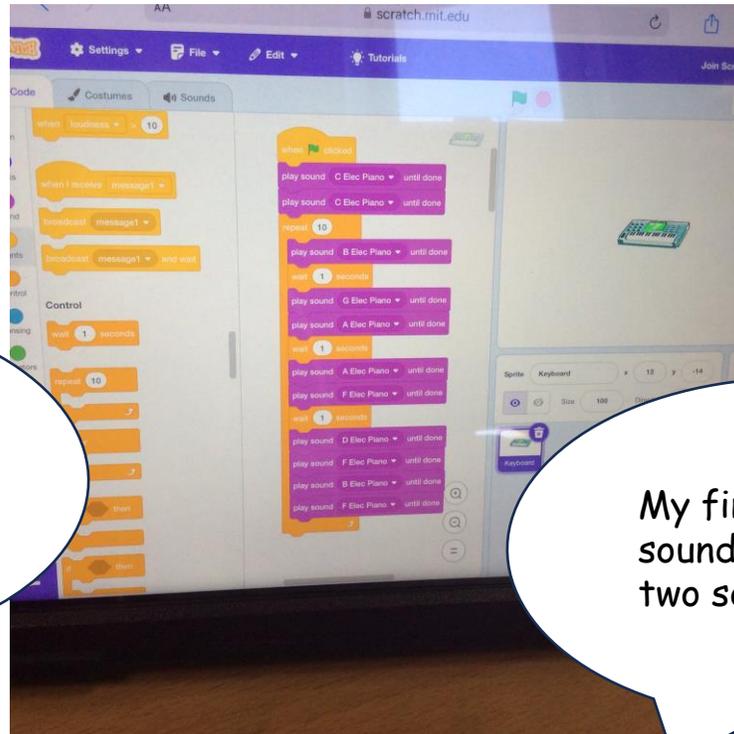
We made sound effects using the piano it sounded like bing bong.



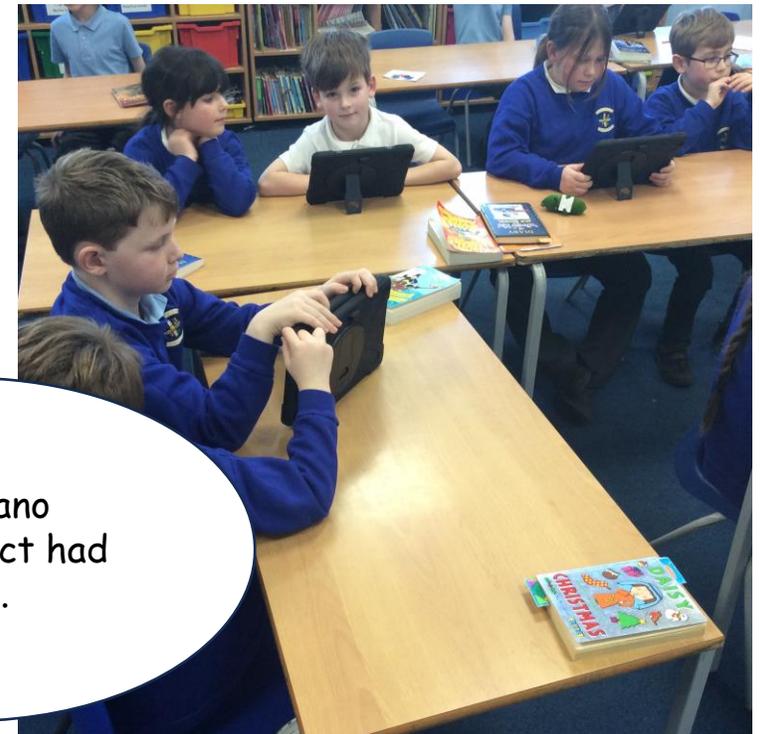
We finally created a longer algorithm to create sounds with the piano.



It was not easy because if you flipped it to the side it deleted everything.



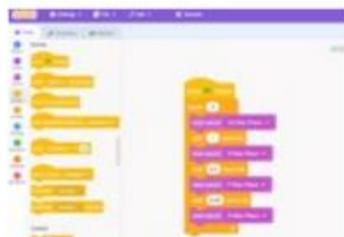
My final piano sound effect had two sounds.



Computing FLE Y3/4 How can we use Scratch to create a musical instrument?

What I have learnt before:

- In class Cremyll, we learnt what algorithms are and created a program using Scratch to animate a character.



Forever Facts

Program's start because of an input.

Debugging programs is when you find an error in the algorithm and fix it.

An algorithm is a set of instructions to follow in order to complete a task.

The order of the commands can affect a program's output.

Exciting Books



Our Endpoint

I can create a musical instrument using a sequence of sounds and other key features from Scratch.

Subject Specific Vocabulary

Design	to create, sketch out, or invent something.
Algorithm	a detailed, step-by-step process followed in order to accomplish a specific task or to solve a specific problem.
Bug	a bug refers to an error, fault, or flaw in any computer program.
Debug	finding and removing errors (or "bugs") from a computer program.
Input	Is the information put into the computer
Output	Is a task that the computer sends back out.

Personal development:

Computing gives a child the skills they need for our ever-changing digital society. The jobs it could lead to game design, engineering and computing teacher.

Skills

To build a sequence of commands.

To combine and order commands in a program.

To use problem solving to overcome any issues or bugs in the computer program.

To create a sequence of commands to produce a given outcome.