



Computing Programming

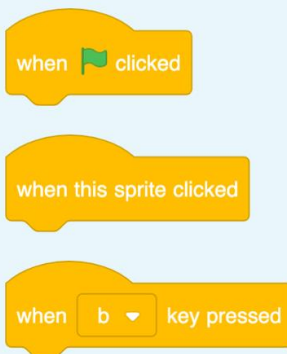


We will be learning about sequencing in programming using scratch.



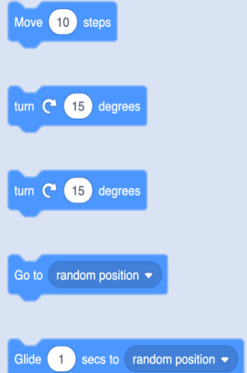
Event blocks tell the sprites when to follow their code.

Events in Scratch

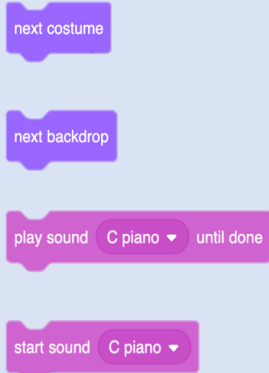


The blocks you will use in this unit

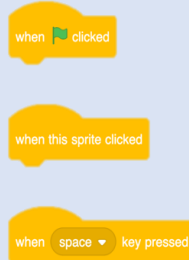
Motion Blocks



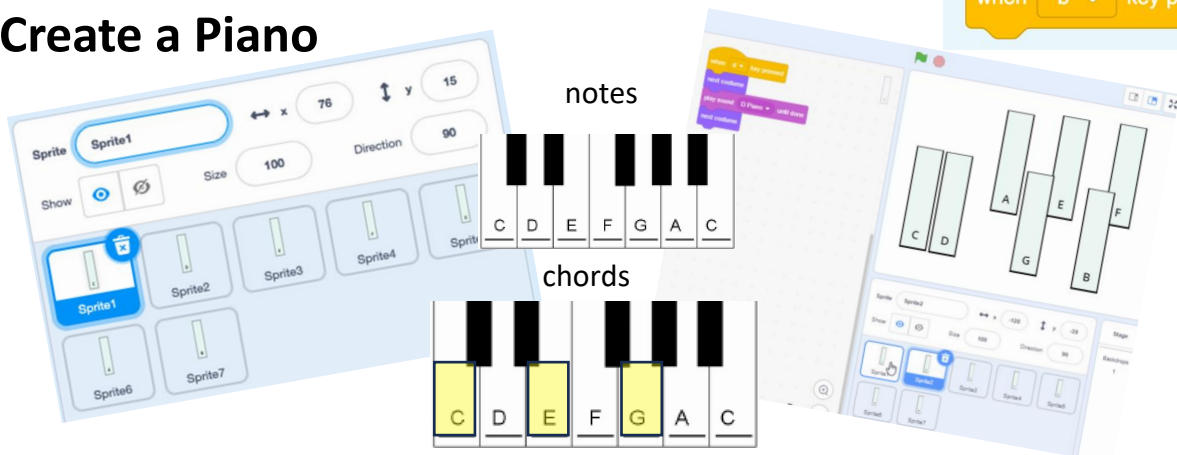
Looks and sound blocks



Event blocks



Project: Create a Piano



Key Vocabulary

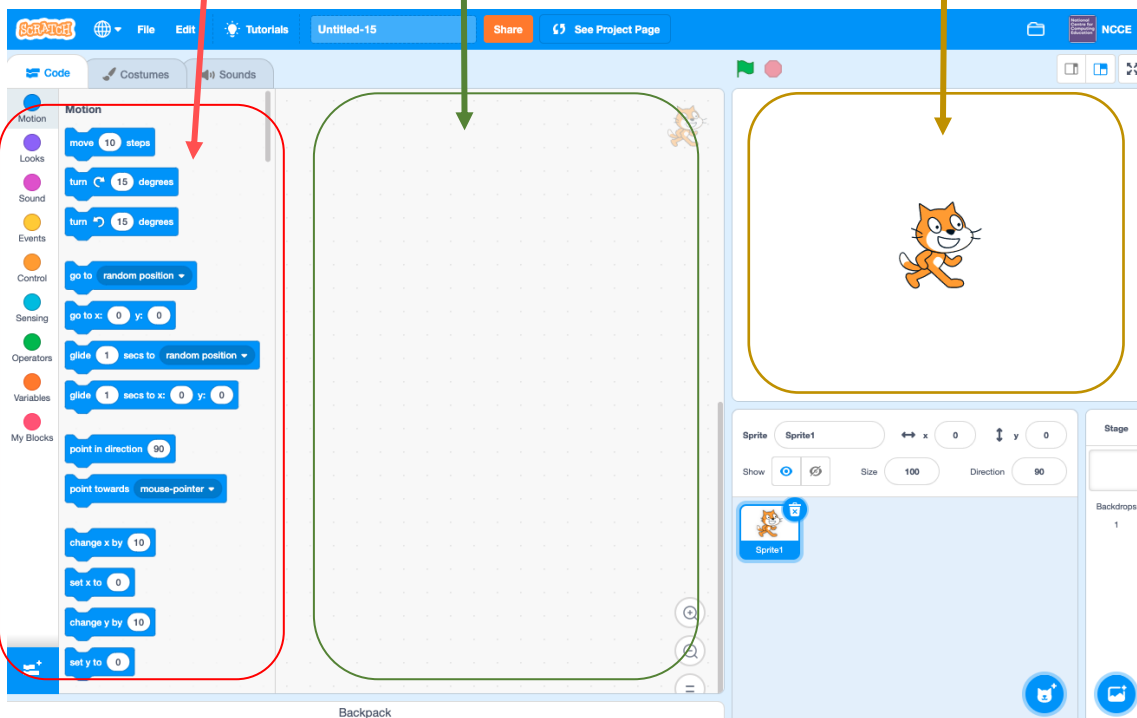
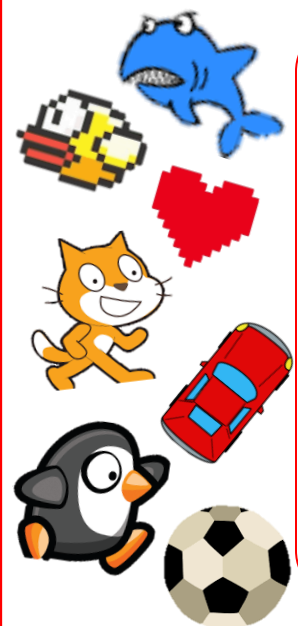
Program	A list of instructions we give to a computer. It is a special type of <u>algorithm</u> that a computer can understand.
Sprite	A 2D image or animated image that plays a specific role, within a larger image environment.
Sequence	A series of events that must be performed in order to achieve a task.
Bug	A mistake or error in an algorithm or computer program.
Debug	When we find the bugs in a program and correct them.
Algorithm	A sequence of instructions that are followed to complete a task.
Attributes	Colour, costume and sounds that belong to a sprite.
Code	A language that a computer can understand.
Backdrop	A backdrop is an image that can be shown on the Stage
Block-Coding	When we use coding instruction "blocks" to create a program. In Scratch these may be motion blocks, sound blocks or event blocks
Events	Event blocks tell the sprites when to follow their code or code sequence.
Notes	A single sound on a tuned instrument.
Chords	A combination of notes create a chord. Ie F A C G B D C E G

Programming blocks

Programming area

Stage with sprite

SPRITES



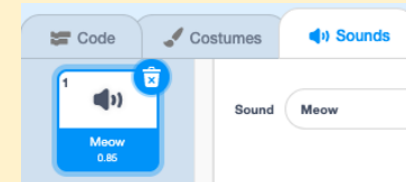
LOG ONTO: **SCRATCH**



<https://scratch.mit.edu/>

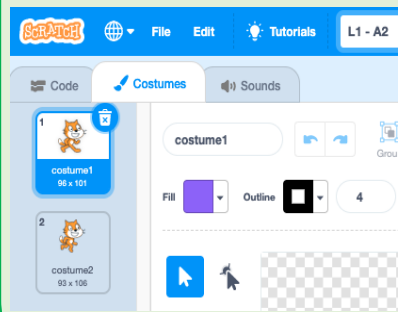
Attributes

These show how a sprite will look, (costume) sound and act (code).



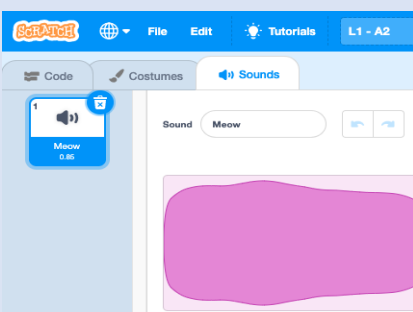
COSTUME

Changes how your sprite looks.




SOUNDS

Sounds you can add to your sprite.



BACKDROP

1.) Click on 'Stage' on the bottom right-hand corner of the screen

2.) Click on the icon 

3.) Choose your new background

