Computer Science: Programming and Coding – Scratch   Year 2

Overview

Coding is when you make a set of instructions for the computer to follow.

Scratch is a web based software. It is a block-based visual programming language designed as an educational too for coding.
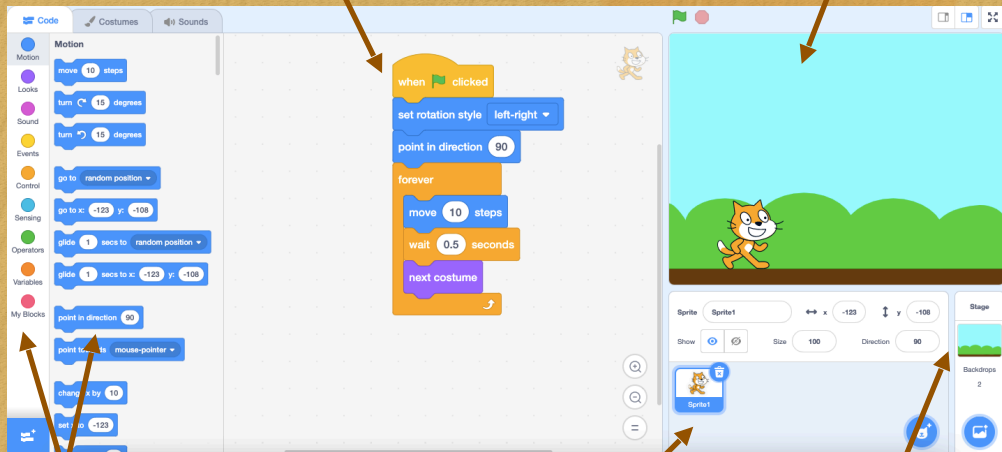
Scratch Basics

your program

stage
- where the sprites will move/follow commands

command blocks

sprites

backgrounds

Scratch Commands

START

when ⚑ clicked

MOVEMENT

move 10 steps

point in direction 90

CONTROL

forever

if   key space ▼ pressed?   then

Concepts

ALGORITHM
- more than one instruction to be followed in given order

DEBUG
- find and fix mistakes in a computer program

REPETITION
- doing the same instruction more than once
- can be for a given number of times or 'forever'

algorithm   program   test   debug   sequence   selection   repetition

This follows on from Computer Science: Programming and Coding – Scratch (Year 1)