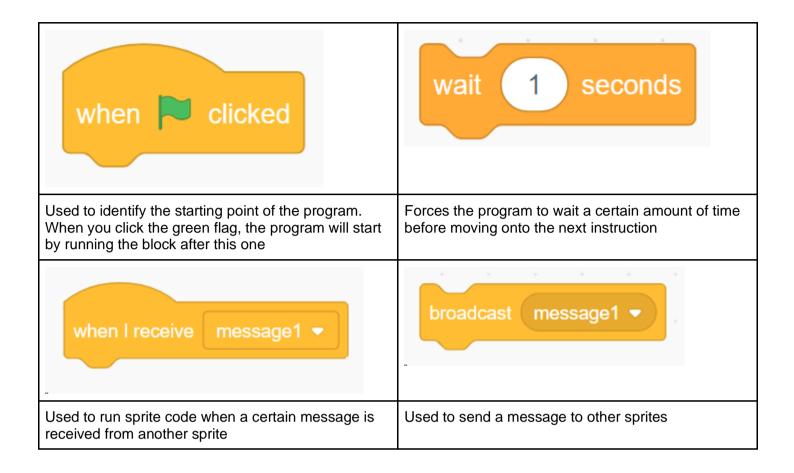
# Knowledge Organiser - Scratch Programming

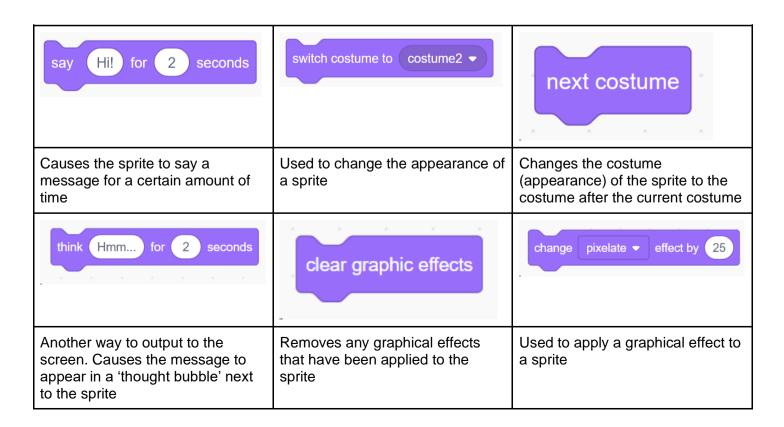
## Key Terms & Definitions

1	Sequence	One of the three basic programming constructs. Instructions that are carried one after the other in order.
2	Selection	One of the three basic programming constructs. Instructions that can evaluate a Boolean expression and branch off to one or more alternative paths.
3	Iteration	One of the three basic programming constructs. A selection of code that can be repeated either a set number of times (count-controlled) or a variable number of times based on the evaluation of a Boolean expression (condition-controlled).
4	Variable	A value that can change depending on conditions or information passed to the program.
5	Boolean expression	An algebraic expression which has a Boolean value
6	Comparison operator	Used to compare two expressions
7	Computer bug	Code that causes your computer to behave in an unexpected way
8	Resilience	The capacity to recover quickly from difficulties
9	Subroutine	A block of code within a program that is given a unique, identifiable name. Supports code reuse and good programming technique.
10	Decomposition	Breaking down a problem into smaller, more manageable parts in order to make the problem easier to solve
11	List	A data structure that allows multiple pieces of data under a single name
12	Data structure	A way or organising and managing data in a programming language that ideally enables efficient access and modification of the data

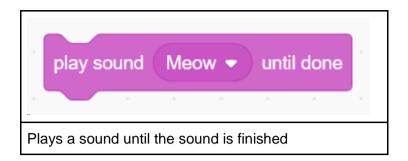
#### Control/Event Blocks



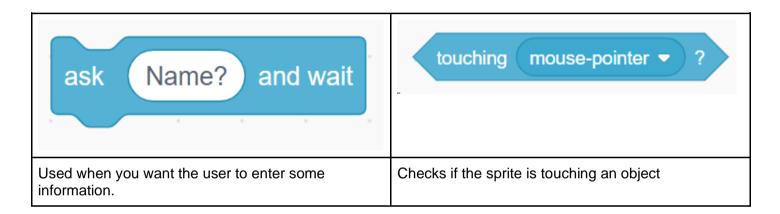
#### **Looks Blocks**



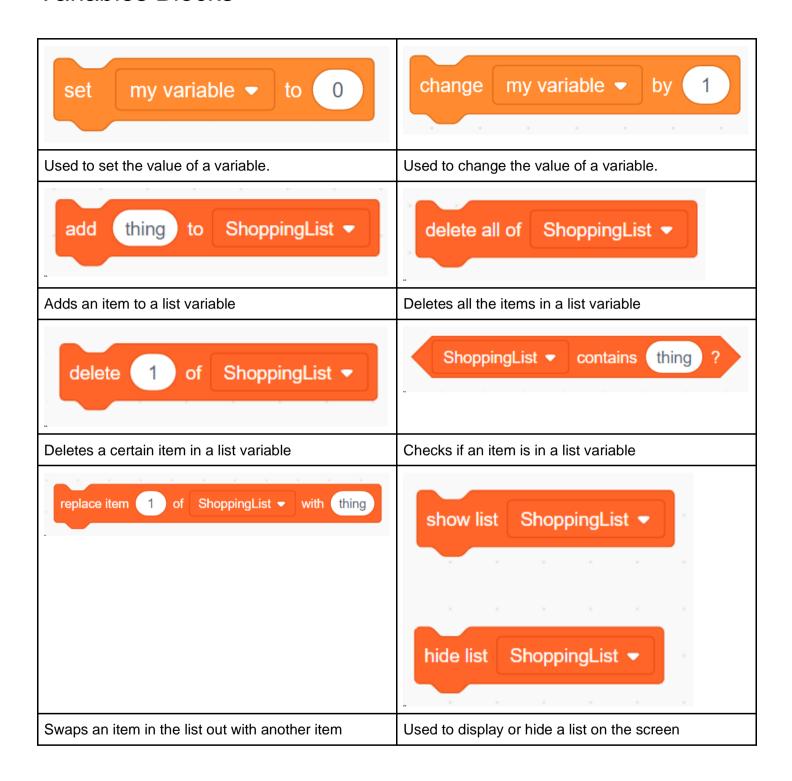
#### Sound Blocks



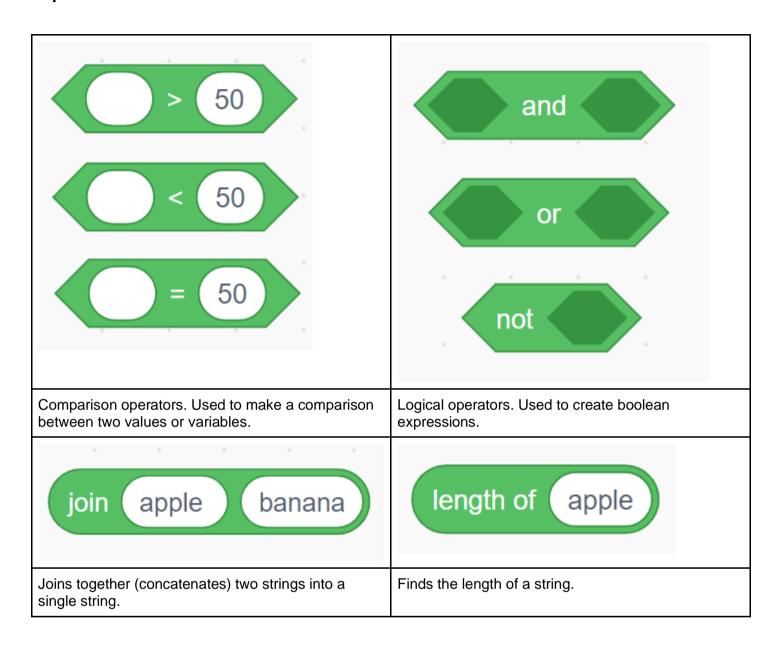
## **Sensing Blocks**



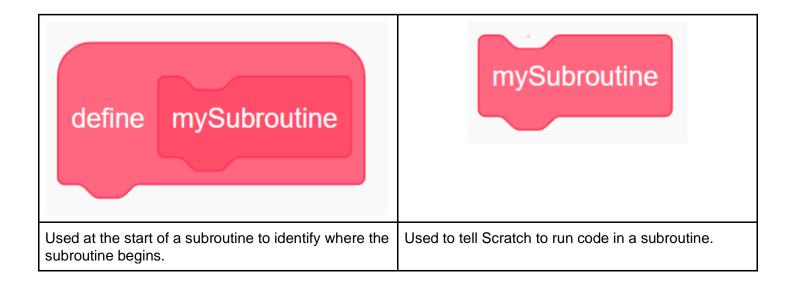
#### Variables Blocks



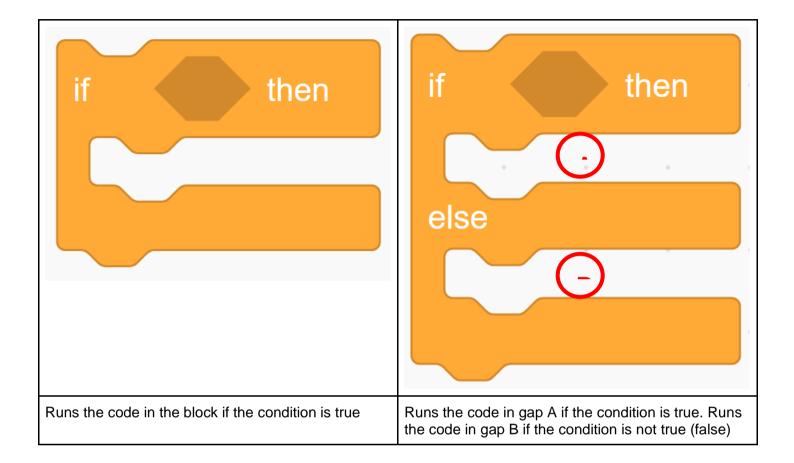
## **Operator Blocks**



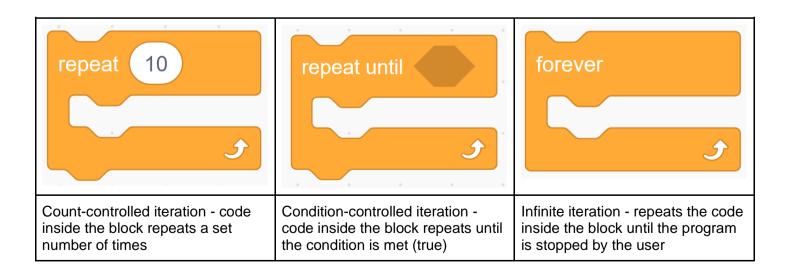
#### Subroutine Blocks



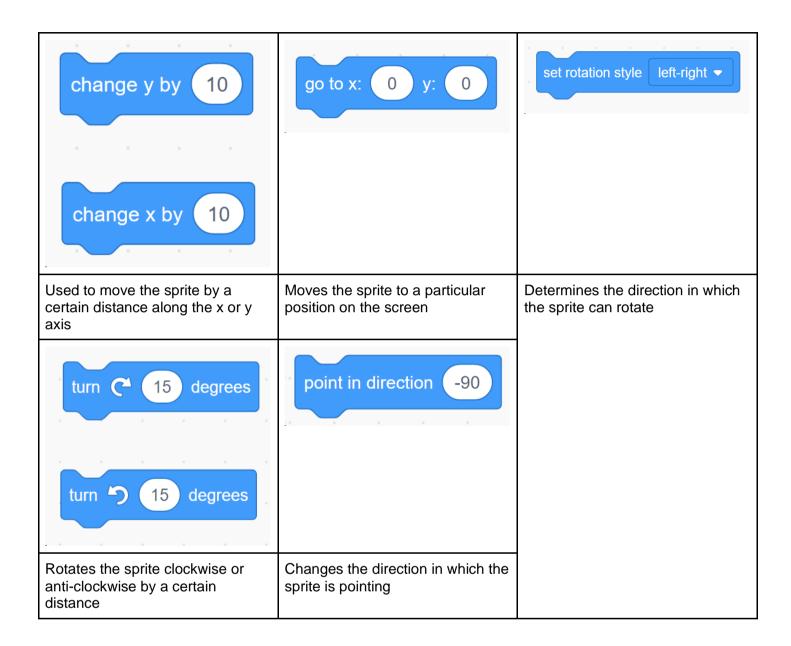
#### **Selection Blocks**



## **Iteration Blocks**



#### **Motion Blocks**



## Scratch Interface

