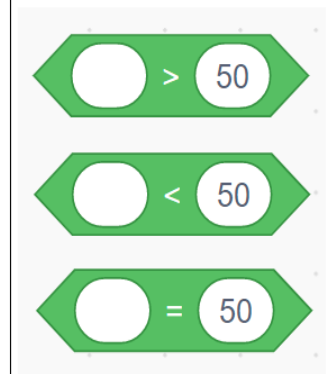
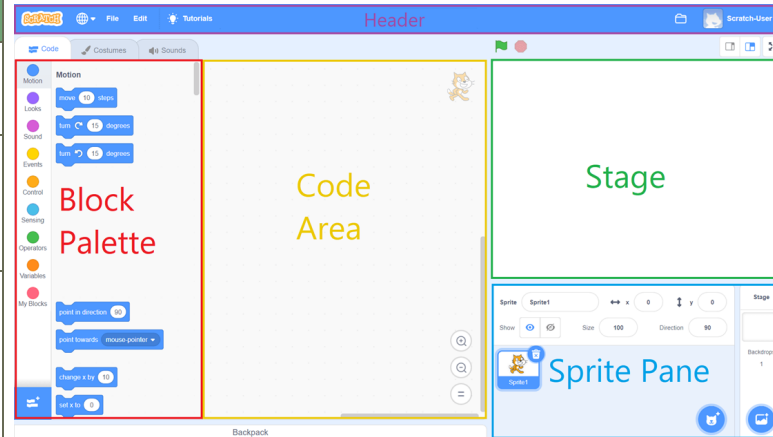


Computing Year 7 Unit: Programming essentials in Scratch part 2

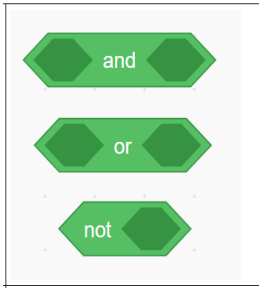
Threshold concept—

- Understand what a real-world problem is.
- Understand the concept of computational abstractions
- Show understanding of a simple project for a specific goal.
- Gain a basic understanding of a programming language

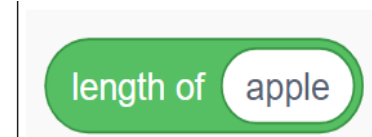
Keyword	Definition
Sequence	Creating a set of instructions to complete a task.
Variable	A memory location within a computer program where values are stored.
Selection	A decision within a computer program when the program decides to move on based on the results of an event.
Operators	Mathematical symbols which allow you to complete code e.g. > < =
Iteration	In computer programming, this is a single pass through a set of instructions.
Decomposition	The breaking down of a system into smaller parts that are easier to understand, program and maintain.
Input	Data which is inserted into a system for processing and/or storage.
Process	The actions taken by a program to manipulate data
Output	Data which is sent out of a system.



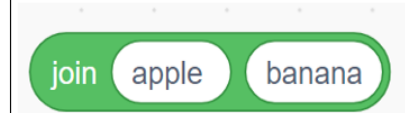
Comparison operators. Used to make a comparison between two values or variables.



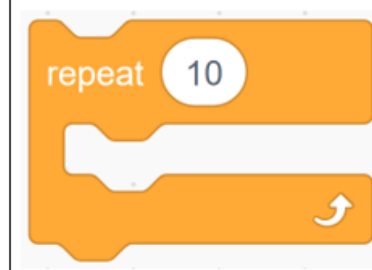
Logical operators. Used to create boolean expressions.



Finds the length of a string.



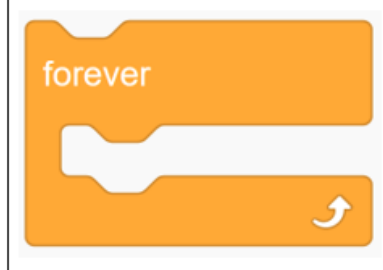
Joins together (concatenates) two strings into a single string.



Count-controlled iteration - code inside the block repeats a set number of times



Condition-controlled iteration - code inside the block repeats until the condition is met (true)



Infinite iteration - repeats the code inside the block until the program is stopped by the user

Computing Year 7 Unit: Using media—gaining support for a cause

Threshold concept—

- Understand why we have creative projects
- Complete a basic creative project
- Understand how to use technology safely, respectfully, responsibly, and securely
- Recognise legal issues relating to a creative project

Keyword	Definition
Processor	computer program that provides for input, editing, formatting, and output
Features	multiple font sets, spell checking, grammar checking, a built-in thesau-
Format	The process of formatting a document involves specifying how the document will look in its final form on the screen and when printed.
Credibility	Knowing if information is trusted
Referencing	Referencing means acknowledging where you got information from
Plagiarism	the practice of taking someone else's work or ideas and passing
Layout	The way a document looks

Tool icon	Tool name	Brief description
	BOLD	Changes the text to be bold, i.e. thicker and more noticeable
	FONT	Allows you to change the style/appearance of the text
	CENTRE ALIGN	Moves the text so that it is in the middle of the page, rather than having a margin on the left- or right-hand side of the page
	TEXT COLOUR	Allows you to change the colour of the text
	BULLETED LIST	Allows you to create a bullet-pointed list

Licensing issues

- It is important to understand for example Microsoft you have to pay a license fee to be able to use its software
- If you want to share a document or photograph with others freely, you can use creative Common licenses which allow you to share content but retain control over who uses it, where and if they can edit it.

Referencing techniques

- It is important to understand if you are using content from another person you need to reference it, either at the bottom of the page in a footnote or in a referencing page at the end of your work where you will link the information you have found where you've used it to show you are crediting it to somebody else and not your own work you are pretending is yours.

Reliability of content

- It is important to understand that not all content online is truthful.
- Anybody can set up a website and add content to it.
- It is important to look at different techniques to determine the credibility of the source as to how real or fake images and text are.

Creating a blog key features

- Use research you have completed well.
- Reference your sources properly
- Credit the authors of any photos
- Use suitable formatting tools to make your blog interesting

