

Scratch

- **Variable**

A variable is a named value that can be changed as the program runs.

A variable has two things:

- data stored in it (numbers, letters)
- a unique name that links to that data



- **Selection**

Selection is making a decision if a condition is true or false.

Why is selection important?

Selection allows there to be more than one path (option) through a program.



- **Iteration**

Count Controlled iteration

The instructions are repeated as long as the program is running or a specific number of times.



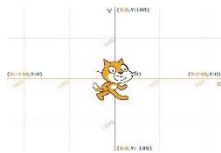
Condition Controlled Iteration

Repeat until something is happening or a result is achieved.



- **Coordinates**

Coordinates: are the pair of numbers (x,y) defining a position using the X and Y axis.



Year 8 Computer Science Term 1 Scratch & E-safety Knowledge Organiser

E Safety

- **WWW vs Internet**

The World Wide Web, or Web for short, is a massive collection of web pages.

The Internet (or "The Net") is a computer network that connects computers worldwide.

The Internet is made up of many smaller computer networks.

- **Facts and Opinion**

A fact is something that can be shown to be true. It can be proved.

An opinion is a view or judgement that someone has formed but it cannot be proved to be true.

- **Digital Footprint, Sexting & Law**

A digital footprint is a record of a person's online activity and interactions, which can include what they've said, shared, liked, and where they've been.

Sexting & Law

- ❖ -Sending photos or videos.
- Having sexting photos or videos on your phone or computer
- Protection of Children Act 1978 and the Criminal Justice Act 1988.



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