

Knowledge Organiser

Autumn 1 – Year 8 E-Safety & Python

Flowchart	A diagram that represents the steps of an algorithm or process, using symbols and arrows to show the flow of control.
Operators	Symbols used in programming to perform operations on variables and values, such as +, -, *, /
Conditional Statements	Instructions in a program that execute different actions based on whether a condition is true or false
String	A sequence of characters, such as letters, numbers, and symbols, used to represent text in programming.
Algorithm	A list of instructions for solving a problem or performing a task.
Cyberbullying	Bullying that takes place over digital devices like computers.
Variable	A named storage location in a program that holds a value, which can be changed during the program's execution.
Float	A data type in programming used to represent decimal numbers.
E-Safety	Knowledge that help protect you from online risks and dangers, such as cyberbullying

Revision Website:



An **algorithm** is a list of instructions to complete a task. It can be written in pseudocode or presented as a **flowchart**.

In python, we use command words such as **print** and **input** in a file, to run in a shell.

Operator	Description
<	Less than
>	Greater than
<=	Less than or equal to
>=	Greater than or equal to
==	Equal to
!=	Not equal to

Cyberbullying is where bullying takes place using digital devices. There are many places of support available if you or someone you know is being cyberbullied.

Symbol	Name
	Start/end
	Arrows
	Input/Output
	Process
	Decision

Operators are the symbols used in programs to perform operations.

There are 4 data types in python; string, float, integer and Boolean.

Variables hold data to use again in programs.

