



SCRATCH

Understand the function of core components that make up a computer. Including:

- Processor
- RAM
- Motherboard
- Hard Drive
- Power Supply
- Case

SEQUENCE

Understand that different types of software have different functions. Some software is essential to the running of a computer (like an operating system), some software is key for completing specific tasks (like application software – we use a Word Processor to write letters).



SELECTION / ITERATION

We use a variety of different types of computer on a daily basis. Knowing the different functions of different types of computers is important.

Computer types include:

- Desktop Computer
- Laptop/Notebook
- Tablet
- Smart Phone
- Embedded computer
- Server
- Workstation

DATA TYPES

Understanding binary is the key to understanding how computers function. Remember computers need electricity to work. In electronic circuits we can have 2 states on or off. Recapping what we learned in Y7, 1 represents on and 0 represents off.

In Y8 we move on from this principle and look at how characters are represented in binary. Each key on the keyboard represents a different symbol, letter or number.

VARIABLES

As we use a computer we need to make sure we can manage our files correctly. This includes:

- Using appropriate names to save files
- Creating folders and arranging our work effectively
- Opening document we have previously created (from a saved location)
- Opening documents from new in different applications.