

Investigate

* I know that the internet is different from the World Wide Web.
* I know how search engines work.
* I know how to use programs to control external devices. (Robots, motors, sensors etc)

Vocabulary

**Hub-** Basic networking device that connects multiple computers.

**Bandwidth-** The amount of data that can be sent from one point to another in a specific period of time.

**Cache-** Stores information that has been recently used for quick access.

**Network-** A set of computers connected together.

**Variables-** A value that is likely to change.

**Repetition-** Repeating a sequence of instructions.

**Sequence-** Multiple actions that lead on to one another.

I know that computers can be part of a network and that they can be used for communication and collaboration.

I know how to plan and write programs to control external devices. Children will use Crumble boards to program a working buzzer.

I know how to design and write programs using sequence, repetition and variables. Children will use Espresso Coding to complete a variety of games that use sequence, repetition and variables.

Can you explore the network in your household?

Topic: Computer Science

Year: 5

**Waterloo Primary School – Computing Knowledge Organiser**

What should I already know?

What will I know by the end of this unit of work?