



# Computing - Journey inside a computer



| Key Vocabulary        |   |
|-----------------------|---|
| Algorithm             | A sequence of instructions when followed, solve a problem.  |
| Computer Program      | A series of instructions that are written for a computer to follow, using inputs and outputs to produce an outcome. Also known as software or applications (apps)       |
| C P U                 | Central Processing Unit<br>The brain of a computer that deals with all the data it receives from input and output devices, as well as programs run within the computer. |
| Data                  | Information used for specific purposes or investigation.  |
| Desktop               | A tower computer that needs a mouse, keyboard and monitor, and it remains in one place.   |
| G P U                 | Graphic Processing Unit<br>It is a piece of hardware that is used to help generate 2D and 3D images for programs such as games.   |
| Hard disk drive H D D | An internal or external device that can store information such as files, documents, images and programs.  |
| Instructions          | A series of steps that need to be performed in order.   |
| QR Code               | Quick Response code<br>It is presented in a similar way to a bar code and when scanned, takes you to a specific website or provide information.                         |
| R A M                 | Random Access Memory<br>A piece of hardware that allows data to be recalled or stored within a computer.  |
| R O M                 | Read Only Memory<br>Information stored within ROM can only be read and not edited.  |
| Tablet device         | A handheld computer, that consists of a touchscreen, operating system and a rechargeable battery.   |
| Trackpad              | An input device commonly found built into laptops. It is used to move the cursor with the touch of your finger, and some allow for multiple finger gestures.            |

| Key Knowledge  |
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| The computer can only process information that it has been given, or that it has collected. This information is called <b>input</b> .                        |
| When the computer has processed the information and carried out the task, it sends it back out. We call this information <b>output</b> .                     |
| Some of the different components inside a computer are a Central Processing Unit ( <b>CPU</b> ), Random Access Memory ( <b>RAM</b> ) and <b>hard drive</b> . |

**Computer parts inside of a laptop:**

**Other portable electronic devices:**

A **tablet** is a handheld computer, that consists of a touchscreen, operating system and a rechargeable battery.

However, a **desktop** is a tower computer that needs a mouse, keyboard and monitor, and it remains in one place.