

## Glossary

| Term                 | Key Stage | Definition  |
|----------------------|-----------|---|
| Algorithm            | 1&2       | A precise set of ordered steps that can be followed by a human or a computer to achieve a task      |
| Attribute (property) | 1&2       | A word or a phrase that can be used to describe an <b>object</b> such as its colour, size, or price |
| Browser              | 2         | SEE: Web browser  |
| Code                 | 1&2       | The <b>commands</b> that a <b>computer</b> can run  |
| Code snippet         | 1&2       | A section of a <b>program</b> viewed in isolation   |

| Term                      | Key Stage | Definition   |
|---------------------------|-----------|--|
| Command                   | 1&2       | A single instruction that can be used in a <b>program</b> to control a <b>computer</b>   |
| Computer                  | 1&2       | A <b>programmable</b> machine that accepts and <b>processes inputs</b> and produces <b>outputs</b> (input, process, output; IPO)   |
| Computer network          | 2         | A group of interconnected computing devices  |
| Computer system           | 2         | A combination of <b>hardware</b> and <b>software</b> that can have <b>data input</b> to it, which it then <b>processes</b> and <b>outputs</b> . It can be <b>programmed</b> to perform a variety of tasks. |
| Condition                 | 2         | A statement that can be either True or False   |
| Condition-controlled loop | 2         | SEE: Loop (condition-controlled)   |

| Term                  | Key Stage | Definition   |
|-----------------------|-----------|--|
| Count-controlled loop | 2         | SEE: Loop (count-controlled)   |
| Data                  | 1&2       | A letter, word, number etc. that has been collected for a purpose, but <b>stored</b> without context |
| Data set              | 2         | A collection of related <b>data</b>  |
| Debugging             | 1&2       | The process of finding and correcting errors in a <b>program</b>                                     |
| Decompose             | 2         | To break down a task into smaller, more achievable steps   |
| Digital device        | 2         | A computer or a device with a computer inside that has been programmed for a specific task           |

| Term                             | Key Stage | Definition   |
|----------------------------------|-----------|--|
| Domain name                      | 2         | The part of a <b>website's URL</b> that is user friendly and identifies that it is under the control of a particular person or organisation e.g. raspberrypi.org |
| Execute (run)                    | 2         | SEE: Run   |
| Hardware                         | 2         | The physical parts of a <b>computer system</b>   |
| HTML (HyperText Markup Language) | 2         | A standardised language used to define the structure of <b>web pages</b>   |
| Hyperlink                        | 2         | (Also: link, weblink) Text or media that when clicked, takes the user to another specified location ( <b>URL</b> )   |
| Infinite loop                    | 2         | SEE: Loop (infinite)   |

| Term                   | Key Stage | Definition  |
|------------------------|-----------|---|
| Information            | 1&2       | <b>Data</b> put into a context that provides meaning  |
| Information technology | 1         | The study, use, and development of <b>computer systems</b> for storing, processing, retrieving, and sending information           |
| Input                  | 2         | <b>Data</b> that is sent to a <b>program</b> to be <b>processed</b>   |
| Input device           | 2         | A piece of <b>hardware</b> used to control, or send <b>data</b> to, a <b>computer</b>   |
| Internet               | 2         | The global system of interconnected <b>computer networks</b>  |
| Loop                   | 2         | <b>(Count-controlled, condition-controlled, or infinite) Commands</b> that repeatedly <b>run</b> a defined section of <b>code</b> |

| Term                        | Key Stage | Definition  |
|-----------------------------|-----------|---|
| Loop (condition-controlled) | 2         | A <b>command</b> that repeatedly <b>runs</b> a defined section of <b>code</b> until a <b>condition</b> is met |
| Loop (count-controlled)     | 2         | A <b>command</b> that repeatedly <b>runs</b> a defined section of <b>code</b> a predefined number of times    |
| Loop (infinite)             | 2         | A <b>command</b> that repeatedly <b>runs</b> a defined section of <b>code</b> indefinitely                    |
| Network                     | 2         | SEE: Computer network   |
| Object                      | 1         | Something that can be named and has other <b>attributes (properties)</b> , which can be labelled              |
| Object                      | 2         | Something that is uniquely identifiable and has <b>attributes</b>   |

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|----------------------|-----------|--|
| Output               | 2         | The result of <b>data processed</b> by a <b>computer</b>   |
| Output device        | 2         | A piece of <b>hardware that</b> is controlled by <b>outputs</b> from a <b>computer</b>   |
| Procedure            | 2         | A named set of <b>commands</b> that can be called multiple times throughout a <b>program</b> . This type of <b>subroutine</b> does not return a value. |
| Process              | 2         | A <b>program</b> , or part of a <b>program</b> , that is running on a <b>computer</b>  |
| Program              | 1&2       | A set of ordered <b>commands</b> that can be <b>run</b> by a <b>computer</b> to complete a task  |
| Property (attribute) | 1         | A word or a phrase that can be used to describe an <b>object</b> such as its colour, size, or price  |

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|---------------|-----------|---|
| Repetition    | 2         | Part of a <b>program</b> where one or more <b>commands</b> are <b>run</b> multiple times in a <b>loop</b>           |
| Router        | 2         | A device that manages the flow of data between <b>computer networks</b>   |
| Run (execute) | 1&2       | To action the <b>commands</b> in a <b>program</b>   |
| Selection     | 2         | Part of a <b>program</b> where if a <b>condition</b> is met, then a set of <b>commands</b> is <b>run</b>            |
| Server        | 2         | A networked <b>computer</b> that manages, <b>stores</b> , and provides <b>data</b> such as files to other computers |
| Software      | 2         | The <b>programs</b> used to control <b>computers</b> and perform specific tasks                                     |

| Term                           | Key Stage | Definition   |
|--------------------------------|-----------|--|
| Stored (data)                  | 2         | <b>Data</b> kept digitally so that it can be accessed by a computer  |
| Subroutine                     | 2         | A named sequence of <b>commands</b> designed to perform a specific task  |
| Switch (network switch)        | 2         | A device that manages the flow of <b>data packets</b> within a <b>computer network</b>   |
| Technology                     | 1         | The use of scientific knowledge for practical purposes   |
| URL (Uniform Resource Locator) | 2         | The address of a file on the <b>internet</b>   |
| Variable                       | 2         | A named piece of <b>data</b> (often a number or text) <b>stored</b> in a computer's memory, which can be accessed and changed by a <b>computer program</b> |

| Term        | Key Stage | Definition  |
|-------------|-----------|---|
| Web         | 2         | SEE: WWW (World Wide Web)   |
| Web address | 2         | SEE: URL (Uniform Resource Locator)   |
| Web browser | 2         | A <b>program</b> used to view, navigate, and interact with <b>web pages</b>                     |
| Web page    | 2         | A <b>HTML</b> document viewed using a <b>web browser</b>  |
| Website     | 2         | A collection of interlinked <b>web pages</b> , stored under a single <b>domain</b>              |
| WiFi        | 2         | A technology that allows devices to wirelessly access a <b>network</b> and transfer <b>data</b> |

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|-----------------------------|-----------|--|
| WAP (Wireless Access Point) | 2         | A network device that allows wireless computing devices to connect to a wired <b>network</b>             |
| WWW (World Wide Web)        | 2         | A service provided via <b>the internet</b> that allows access to <b>web pages</b> and other shared files |