 Knowledge Organiser

 Year 2 - Autumn Term B

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| **Vocabulary**  |
| **Algorithms** | An algorithm is a precise, step-by-step set of instructions used to solve a problem or achieve an objective. |
| **Block Code** | Block code puts small parts of code into a picture format to make it easy to understand |
| **Command** | A single instruction in a computer program. |
| **Computer Bug** | A problem in a computer program that stops it working the way it was designed. |
| **Coding** | Coding is the way that computer programmers input instructions into computers to create programs |
| **Debugging**  | To look for any problems in the code, fixing and testing them. |
| **Input** | Information going into the computer. Can include moving or clicking the mouse, using the keyboard, swiping and tilting the device. |
| **Output** | An element in a computer program that can be changed using actions or properties. |

 **Computing – Coding (Crash Course)**

**Repeat Code Block**

**Debugging an Algorithm**

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| **Brushing your Teeth** |
| **Step 1** | Fetch your toothbrush |
| **Step 2** | Brush your teeth |
| **Step 3** | Put your toothpaste on your toothbrush |
| **Step 4** | Put the toothbrush in your mouth |
| **Step 5** | Fetch your toothpaste |
| **Step 6** | Rinse your mouth and spit it out |

**Block Code**



You follow the instructions to brush your teeth and something goes wrong. What would you do?

**Timer Code Block**