**Vital Vocab**

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|  | ASCII | *Universally accepted binary numbers for each keyboard character.* |
|  | Binary | *Base 2 numbering system.* |
|  | Bitmap | *A computer image file which is made up of tiny pixels of colour. Each pixel is represented by a set of binary bits and mapped to the screen.* |
|  | Boolean Operators | *‘AND’ ‘OR’ ‘NOT’ logic statements used to improve database searches.* |
|  | Cipher | *A Cipher is a ‘Secret Message’ often written in code.* |
|  | Copyright | *A law to protect other people’s ideas/work.* |
|  | CPU | *Central Processing Unit (The brain of the computer).* |
|  | Cyber-Abuse | *Being tormented, threatened, harassed, humiliated, embarrassed or otherwise targeted by another person using the Internet, interactive and digital technologies or mobile phones.* |
|  | Decipher | *A method to unscramble a cipher so that the ‘Secret Message’ can be understood.* |
|  | Denary | *Base 10 numbering system.* |
|  | Digital Processing | *Applying maths on the binary which represents sound in order to manipulate how it sounds.* |
|  | Encryption | *A method used to scramble messages so that if they are intercepted they cannot be read / understood.* |
|  | Evaluate | *Finding out about the quality of something.* |
|  | Hacking | *Gaining access to a computer without being allowed.* |
|  | IF Statement | *A programming construct will execute certain instructions based on certain conditions. Selection statements include IF, ELSE IF (ELIF), and ELSE.* |
|  | Image | *Visual data made up of pixels.* |
|  | Input | *Values which get sent from the user into the computer.* |
|  | Input device | *Piece of equipment that helps put data / commands into a computer.* |
|  | Integer | *Data type for whole numbers.* |
|  | Logic | *The formal processes used in thinking and reasoning.* |
|  | Logic Gates | *The basic building blocks of a digital circuit* |
|  | Output | *The values which get sent from the computer to the user.* |
|  | Output device | *Piece of equipment that helps get information out of a computer.* |
|  | Pixel | *Short for Picture Element. It is the smallest component of a bitmap image.* |
|  | Plagiarism | *Using other peoples’ ideas/work and pretending it is yours* |
|  | Print-Screen | *A way to capture what is on the screen at any given time – a way to evidence online abuse.* |
|  | Problem Solving | *The ability to think logically in order to find a solution.* |
|  | Process | *Decisions and Calculations made by a computer.* |
|  | Python | *A high-level programming language.* |
|  | RAM | *Random Access Memory.* |
|  | Sampling | *Recording analogue sound at regular intervals and converting each snippet of sound to a binary value.* |
|  | String | *Data type for text consisting of more than one character.* |
|  | Syntax | *A set of rules that defines how programs must be written in order for the translator to understand them.* |
|  | Variable | *A place where inputs get stored by the program.* |