

Stage 1 - Computer Basics Cheat Sheet

1. Hardware & Devices

CPU: Brain of the computer, processes instructions

RAM: Short-term (volatile) memory for running programs

ROM: Permanent (non-volatile) memory

Motherboard: Main circuit board connecting all components

Monitor: Displays visuals/output

Printer: Prints documents

Speaker / Headphones: Outputs sound

Mouse: Pointer device for clicking & dragging

Keyboard: Input device for typing

Camera: Captures images/video

Projector: Projects display on wall

Scanner: Digitizes documents

USB / SSD: Flash storage devices

2. Software

Operating System (OS): Windows, Linux, macOS

Application Software: Word, Excel, Games, Photoshop

Utility Software: Small programs to help the computer run

Web Browser: Chrome, Firefox, Edge

3. Programming & Logic

Program / Code: Instructions given to a computer

Loop: Repeats actions

Binary: Language computers understand (0 & 1)

Symbols: +, -, *, /, != etc.

4. Networking & Internet

LAN: Local Area Network (home/small office)

WAN: Wide Area Network

MAN: Metropolitan Area Network (city-wide)

Internet: Global network of networks

URL: Web address of a site

Search Engine: Google, Bing

5. Key Shortcuts

Ctrl + C: Copy

Ctrl + V: Paste

Ctrl + X: Cut

Ctrl + Z: Undo

6. Cybersecurity Basics

Virus: harmful software program

Strong passwords and 2FA recommended

Safe browsing: avoid phishing and malware