OS Diagnostics – Operating Systems & Maintenance

## Identify Operating Systems

1. For one (or more) of the following devices, identify the Operating Systems used:
   * Personal or campus Desktop Computer
   * Your personal laptop
   * Your mobile device (phone/tablet)
   * Your home/campus Console (e.g. PS4, Xbox)
   * Your handheld gaming device (e.g. Nintendo, PSP)
2. For each device, investigate and record the following details about its OS:
   * What are the general specifications for the OS? (e.g What hardware does it run on?)
   * Who’s the Developer? Is it Open-Source or proprietary?
   * What platforms/devices/hardware are supported by this OS?
   * Describe the general history of the OS.

## Research a different Operating System

1. Select an Operating System you haven’t used before. Examples include FreeBSD, Linux (and its variants). Use an online resource like Wikipedia for a [list of common operating systems](https://en.wikipedia.org/wiki/List_of_operating_systems) (<https://en.wikipedia.org/wiki/List_of_operating_systems>).
2. For this Operating System, investigate and record the following details:
   1. What are the general specifications for the OS? (e.g What hardware does it run on?)
   2. Who’s the Developer? Is it Open-Source or proprietary?
   3. What platforms/devices/hardware are supported by this OS?

## Operating System Administration/Maintenance/Diagnostic Tools

1. For your selected OS, list any common tools used for administering the system. Examples include backup software, disk management tools. These may be included with the OS or third-party applications (available from App Stores etc.)
2. How does the OS handle security? Examples include user account control, in-built firewalls, anti-virus software.

## Classroom Exercise (optional)

1. Your instructor will ask one student at a time to share their research with the class
2. Other students that have researched the same OS can contribute to the class discussion
3. Have a balanced discussion about both common operating systems, and niche OS used for specific applications