Device Specifications and Minimum System Requirements

Overview
Under the BYOD Program, students in Years 6 to 12 are encouraged to bring their own computing device to school each day from Term 1. This personal computing device needs to meet these Device Specifications that are recommended by the school and listed below.

These Device Specifications identify the minimum system requirements/hardware specifications for student devices and offer guidance on some suggested makes and models so that parents are fully informed about requirements.

Device Type Recommendation
While all devices meet the minimum system requirements/hardware specifications, the school strongly recommends that students choose a laptop device to ensure that their BYOD maximises their learning experiences.

While iOS (e.g. Apple iPads) and Android-based devices can be used at school there may be difficulty with connections and a number of applications and tasks may present problems. The use of these devices is discouraged.

Device Selection Criteria
The BYOD device type should one of the three Device Types listed below to be considered acceptable for the Kormilda College BYOD program. The device selected should be one that both you and your child will be comfortable with them using at school and home:

Device Type
1. Windows based Laptop or Ultrabook
2. Apple based Laptop
3. Windows based Tablet
Summary of system requirements for each Device Type:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>Windows 7 or Windows 8.1</td>
<td>OSX 10.7 or higher</td>
<td>Windows 8.1 or Windows RT</td>
</tr>
<tr>
<td>Wireless</td>
<td>5GHz radio supporting 802.11n standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Screen Size</td>
<td>11”</td>
<td>11”</td>
<td>10”</td>
</tr>
<tr>
<td>Minimum Storage Capacity</td>
<td>64GB hard drive</td>
<td>64GB hard drive</td>
<td>32GB</td>
</tr>
<tr>
<td>Minimum RAM/Memory</td>
<td>4GB</td>
<td>4GB</td>
<td>1GB</td>
</tr>
<tr>
<td>Minimum Battery Life</td>
<td>6 hours</td>
<td>6 hours</td>
<td>6 hours</td>
</tr>
<tr>
<td>Recommended Accessories</td>
<td>Protective case/cover/ bag, Headphones, USB Backup drive</td>
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<td>Protective case/cover/ bag, Headphones, USB Backup drive</td>
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The device selected above must also meet ALL of the following requirements:

**Form Factor**

Laptop or convertible device as shown above

*A convertible device must have a physical keyboard attachment with separate keys for A–Z and 0–9. It must run one of the specified operating systems.*

**Physical Dimensions**

Minimum Screen Size: 10” (Windows Tablet)
Minimum Screen Size: 11” (laptop devices)
Maximum Screen Size: 15”

**Operating System**

- Microsoft Windows 7 or newer
- Apple MacOS X 10.7 or newer
- Microsoft Windows RT

*Note: Google Chromebooks and iOS/Android-based tablets are intentionally omitted from these specifications and should be avoided.*

**Wireless Compatibility**

Device must have 5GHz 802.11n support

This may be advertised as “Dual Band Wireless”, “802.11abgn”, “802.11agn”, “802.11ac” or “Gigabit Wireless”.

**Battery Life**

Advertised battery life of at least six hours

Optional Recommendations:

**Additional Recommendations (Not obligatory)**

- Maximum weight: 2kg
- Disk configuration (laptops): Solid State disk (SSD)
- Accidental loss and breakage insurance
**Functional Software Specifications**

Additionally, the device must meet ALL of the following functional requirements pertaining to software:

<table>
<thead>
<tr>
<th>Operating System</th>
<th>As per the Hardware Specification, above</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management Agent</td>
<td>Kormilda College will require that a software management agent and certificate is installed onto the laptop device to ensure that the device is conforming to the College BYOD minimum requirements. This agent must remain on the device for the duration of the use of the device at the school.</td>
</tr>
</tbody>
</table>
| Education Software | • **Web browser**: Internet Explorer 10 or newer, Google Chrome, Mozilla Firefox, Safari 6 or newer.  
• **Word Processor, Spreadsheet & Presentation Package**: Examples include Microsoft Office, Apple iWorks, OpenOffice, Office365, or Google Apps. (All Kormilda College students have access to Office365 web based Office apps via their student accounts)  
• **PDF Reader**: Adobe Acrobat Reader or compatible  
• **Flash and Java** (latest versions)  
• Additional subject-specific software may be required. |
| Backup | Cloud or USB hard drive based backup solution  
(All students have Cloud based storage included with their College Office365 account and can use the Microsoft OneDrive software to sync files to their computing device.)  
*Students must ensure that their files are regularly backed up. Note that not all “cloud” based solutions will work through the Kormilda College & NT Department of Education networks* |
| Security Software | Windows laptops must run **Microsoft Security Essentials** or a commercial Anti-Virus software package  
Mac OSX laptops should run **Sophos Antivirus** or a commercial Anti-Virus software package  
Whilst there are free Anti-Virus software packages, it is recommended that a commercial product is selected for use on the device.  
*Anti-Virus software should be fully up-to-date with the latest virus definition information and protection* |