Lumen Christi Catholic College
Bring Your Own Device Program
Years 6 to 12

Teaching methods have changed drastically over the years. No longer is “chalk and talk” or copious notes on the whiteboard seen as the way students learn. The classroom has become more interactive with students far more engaged in their own learning. Technology enables them to explore diverse learning styles.

Past students returning from university state quite clearly that they felt they were behind with regards to technology when they started at university. We live in an isolated area but this shouldn’t mean that our students are at a disadvantage when they move away to university or enter the workforce.

An Educational Tool
BYOD is based on the need to ensure students are equipped with the necessary skills to engage in Information and Communication Technology (ICT) which is not only becoming an integral part of everyday life, but central to higher education and the work force. Evidence also suggests that increased levels of student engagement via tablets and technology in general result in better educational outcomes.

The recently implemented National Curriculum changes have further imbedded increased ICT requirements into all subject areas. This has resulted in students requiring improved access to technology as part of the learning process.

Tablets and laptops are an educational tool and will not replace all teaching and learning, it will enhance it.

Type of Device
Considerable research has been undertaken by the Colleges within our Diocese as well as through professional teaching forums in New South Wales, Australian Capital Territory, Queensland and Melbourne, as to which technology is best suited to our educational context.

Successful implementation of BYOD programs have been based on the use of an iPad in year levels up to year 10, and the use of either an iPad and/or a laptop in years 11 and 12. In those schools that have allowed the use of any type of tablet device including android-based devices, the program becomes ineffective and families have needed to purchase an iPad to rectify the situation.

We have undertaken Professional Development as a teaching staff with iPads and will continue to do so. It is vital that teaching staff can direct students in the use of this technology to maximise the educational benefits.

Which iPad?
We are recommending that students use an iPad Air 2 with WiFi only with the base 32GB of memory. The reasons for this are:
- The airdrop function allows files to be transferred directly between teachers and students within the class.
- They have a faster processor, which allows applications to run more quickly.
- The screen size is large enough to use as an effective creation tool.

You may choose to purchase an iPad with 64GB of memory or more, but that is entirely your choice.

The critical aspect of which iPad student’s can use is the version of the Operating System (iOS) that the device is capable of running. It must be capable of running the latest iOS. The iPad (4th Gen), iPad Air and iPad Mini allows AirDrop, whereas earlier models will not. The iPad Mini has a smaller screen size which means students have less “real estate” to use, which may make them difficult to use effectively. The following table will hopefully clarify the requirements.

<table>
<thead>
<tr>
<th>Model</th>
<th>Camera</th>
<th>Runs iOS 8</th>
<th>Airdrop</th>
<th>Acceptable for BYOD Program</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>iPad (1st Gen)</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>iPad 2</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>iPad (3rd Gen)</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>iPad (4th Gen)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>iPad Air</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>iPad Air 2 32GB</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>iPad Mini (1st Gen)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>iPad Mini 2</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>iPad Mini 3</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>iPad Mini 4</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>iPad Pro</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
</tbody>
</table>

iPad Purchasing Options

As this is a BYOD program, it is up to the student’s family to purchase the iPad if they do not already have a suitable iPad. Families may purchase an iPad from any supplier that they choose. We have made contact with Mac1 in Canberra and Betta Electrical in Bega. Both of these suppliers are authorized Apple Agents.

Mac1 have made a purchasing portal available for families to purchase on-line. The portal address is https://portal.mac1.com.au/lumenchristi/. Mac1 also offer financing using Flexirent. If you go to www.flexirent.com.au you can obtain an estimate on the cost of financing a purchase.

Additional File Storage for iPads

The use of the iPad and its associated applications will allow students to create a wide range of multi-media rich products. This can result in many large files, which the iPad cannot store. Students may use their own iCloud storage or they can use the Google Drive space that each student is provided with by the College. This means they can delete projects or work off the iPad after it has been submitted to their teacher and saved in this storage space.

Text Books and Teacher Developed Materials

For years 7 to 10, electronic versions of the standard textbooks will be available for students to download onto their iPad in the first week of school in 2016.
Teachers have developed many excellent paper based resources and they will make them available electronically for students to download and use when required.

**Student Care of Device**

As this is a BYOD program, the device belongs to the student/student’s family. Each student is responsible for the care of his or her device. It is recommended that a sturdy cover be purchased to provide a degree of protection for the device. If families wish, they may also choose to purchase extra Apple Care or insurance to cover damage to the device. Both Mac1 and Betta Electrical offer extra Apple Care. Mac1 also offers an insurance option. Families may wish to explore their own insurance policies to cover the device.

For secondary students, the College provides lockers where student’s belongings, including the device, can be stored when they are not required. Students will need to provide their own padlock to make it secure, otherwise it is just a cupboard that anyone has access to. Year 6 students will be storing their devices in their classrooms which are locked at all times when not in use.

Additionally families can iCloud their Apple device by enabling Find My Phone, which enables location services if the device is lost or stolen. (n.b. requires internet connection).

**Applications (Apps for iPads)**

To download apps, there will need to be an iTunes account associated with each iPad. Each family may wish to use a “Family iTunes” account or allow each student to use their own account.

The College has decided that the following apps will be required to be loaded onto student’s iPads prior to bringing them to school:

- Keynote
- Pages
- iMovie
- GoodNotes

Any iPad purchased and activated after 1 September 2013 can have Keynote, Pages and iMovie downloaded for free.

Further apps may be required and each teacher will inform their students which apps are required. We will be very mindful of the cost of apps before they are requested to be loaded on by families.

**Filtering**

Internet filtering will be provided at the College via our network infrastructure as it currently is for all computers used within the College. We also encourage students to use the Internet in an appropriate manner. Any filtering at home is the responsibility of individual families. We advise that when the device is being used outside school, Internet enabled devices are only used in family areas where parental guidance is also available.

**Appropriate Use**

The device is to be used as a learning tool within the classroom. If a student is off task they will be subject to normal disciplinary actions. This may involve detentions both during and after school. As the device will be an integral part of the learning process, it will not be confiscated unless the incident is extreme in nature, in which case the pastoral team will become directly
involved and the student may be removed from the class. Teaching staff (as the Principal’s delegates) will be able to have access to the device and may look through the content on the device when they deem it necessary. A ‘Student Acceptable Use Agreement’ and a ‘Personal Electronic Device Acceptable Use Agreement’ will also need to be signed by students and their parents.

Teachers in the classroom will monitor student use. The introduction of the devices will mean teachers have to do things differently with regard to where they place themselves in the room and how student tables are set up. Room configuration will be such that devices can be monitored at all times.

**Before School, Recess and Lunch**

Students will *not* be allowed to use their devices outside of class time (unless it is in the library for legitimate work which will be carefully monitored by the library staff).

We want students to be active and to interact socially and every effort will be made to ensure this happens. Teachers on duty are vigilant and will ensure students have returned their iPads to their locked lockers at the end of the lesson – as they would with all other exercise and textbooks.

**Further Information**

If you have any further questions or concerns about this BYOD program, please contact Derek Gillions, Learning Technologies Coordinator derek.gillions@cg.catholic.edu.au or phone 6495 8888.