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Learning in the 21st Century – Technology Skills

The new millennium has been characterised by a dramatic technological revolution. We now live in an increasingly diverse, globalised, complex and media-saturated society. Some believe that this technological revolution will have a greater impact on society than the transition from an oral to a print culture.

Today’s kindergarten children will be retiring in about sixty years. We don’t know what the world will look like in five years, much less sixty years, yet we are charged with preparing our students for life in that world. As educators, therefore, we need to be adept, keep up with technology and teach 21st century skills.

Schools are bound by curriculum requirements. The Australian Curriculum increases the emphasis on ICT in education. ‘Rapid and continuing advances in information and communication technologies (ICT) are changing the ways people share, use, develop and process information and technology. In this digital age, young people need to be highly skilled in the use of ICT.’ (The Melbourne Declaration on Educational Goals for Young Australians, 2008 – from which the Australian Curriculum was developed).

ICT is an imperative directed through the General Capabilities in the Australian Curriculum, which are integrated into all subject areas. A separate subject area, Technologies, which incorporates Digital Technologies and Design Technologies, was implemented in 2017.

In all learning areas at school, and in their lives beyond school, students need to be able to:

• access, create, manage and communicate information and ideas.
• solve problems and think critically.
• make decisions.
• work collaboratively.
• make the most of the technologies available to them.
• adapt to new ways of doing things as technologies evolve.
• limit the risks to themselves and others in a digital environment.

The use of technology assists students to learn these skills and is an important part of education in today’s world.

The Benefits of 1:1 Learning Programs

1:1 learning programs (where each child has their own personal learning device) are not new. They have been evolving for two decades and are an important element in catering for more individualised learning. Research has shown that access to 1:1 devices can redefine learning and deliver strong benefits to students such as:

• increasing student engagement.
• shifting the focus from teaching to learning - increasing independence and self-initiated learning.
• enabling students to become empowered learners and active proponents of their own understanding.
• helping students to learn more deeply - to engage in more intellectual, conceptual, analytical and creative thinking.
• extending learning beyond the classroom and having a flow on to more flexible forms of learning.
• seeing students take greater pride and ownership over the knowledge they create.
• leading to greater communication and collaboration with immediate and global communities.
• developing creative expression.
• enhancing student responsibility and maturity.

Along with the devices themselves, a 1:1 program requires extensive development of network infrastructure, as well as continued maintenance and support services.

2019 will be the sixth year of the iPad program at St James Lutheran College. iPads have changed the way teachers teach and the way students learn. Strategies such as ‘flipped learning’ are taking hold with learning happening anytime and anywhere.
**Important notes:**

- 2019 Year 7 students are asked to retain their iPads for Year 8, but are able to take up the options below if for some reason they need a new device.
- All iPads must be the student’s own personal device – ie not one that is shared with other family members. It should not have other people’s content on it.

**Which iPad?**

**Minimum Specification**
This is the very basic option. If you are bringing in a previously owned device, please check it meets these minimum requirements.

- iPad Air 2 (A9)
- 32GB
- Wi-Fi only - not cellular (3G/4G)
- iOS 11/12 operating system
- heavy duty protective cover

**RECOMMENDED SPECIFICATION**
For ease of work and to maintain capability with our full program and future developments a larger iPad is ideal. Students should also get more years from their device, enabling use beyond Year 8. If you are purchasing a new iPad, it should meet these requirements.

- iPad (A10)
- 32GB/128GB
- Wi-Fi only - not cellular (3G/4G)
- iOS 11/12 operating system
- heavy duty protective cover

**Super Specification**
For those who want extra.

- 10.5 / 12.9 inch iPad Pro
- 64GB / 256GB / 512GB
- Wi-Fi only - not cellular (3G/4G)
- iOS 11/12 operating system
- heavy duty protective cover

**Optional Extras**

**Your child may also appreciate:**

- A detachable bluetooth keyboard (perhaps incorporated into the protective cover).
- A stylus – particularly if they are creative and like drawing.

**You as parents will appreciate:**

- Extended AppleCare warranty.
- Insurance for your device.
**Important Information**

**Signing the AUP Agreement**

The use of personal iPad devices at St James Lutheran College is currently covered by our *Computer Acceptable Usage Policy (AUP)* which also includes the Anywhere, Anytime Learning, Mobile Phone and Digital Citizenship Agreements. Students and parents will be asked to sign agreements at the beginning of 2019 in the College Diary.

**Apple Classroom**

“Apple Classroom” is an iPad app that helps teachers guide learning with iPads in the classroom. The app lets teachers launch specific apps on every student’s iPad in the class, share a website, create activity groups, and see students’ screens using Screen View. Teachers can also share a student’s screen with the class using AirPlay and Apple TV. To help students focus, teachers can lock devices to a single app or temporarily lock the screens of all devices in the classroom. Student iPad devices can be managed only in class; the teacher cannot manage or view student devices outside the classroom. To ensure transparency when Screen View is active for a student’s screen in class, a notification at the top of their screen indicates that it is being viewed.

**What about Insurance/Extended Warranties?**

The owners of the iPad are responsible to loss or damage. The iPad is covered by the standard Apple 12 Month Warranty for any manufacturing problems, however this does not cover loss or damage. Apple offers extended *AppleCare* warranty as an option when purchasing an iPad, which is worth considering. It is the responsibility of the family to ensure that devices are adequately covered by insurance to cover damage, loss or theft. Some insurance companies offer this type of insurance, or you can ask retailers at the time of purchase.

**What about technical support, repairs and maintenance?**

St James will provide technical support for problems connecting to the College network and basic support as students set up and get to know their device. As the iPads will be personal devices, families are responsible for their repair, maintenance, warranty claims or upkeep (eg keeping them charged, installing updates or upgrades, fixing software or hardware issues).

**How will students access the College network?**

Students will be provided with a school username and password to access the St James Lutheran College wireless network.

**Storage and Backing Up of Work**

The school provides students with cloud storage space through their Google Apps for Education accounts. Students are responsible for the organisation and storage of their own work. It is good practice to back up data regularly. Losing work is not an acceptable excuse in this digital age.

**Installation of personal apps**

While the iPad is the student’s device, it’s main purpose is for learning. For this reason, please regularly monitor your child’s device for excessive games, photos and other apps which could be taking up valuable storage space and potentially become a distraction for your child.
iPad DOs and DON’Ts

Dos
1. Charge your iPad overnight
   We want you to get the most out of your iPad while at school. Therefore, you need to make sure that you have a full battery when you arrive in the morning.

2. Keep the cover on your iPad
   Be sure to keep your iPad safe at all times by using a sturdy cover – while they are not infallible, we have found that in the great majority of cases students who have broken their iPads have not been using a sound case, or have not been using the case correctly.

3. Secure your iPad
   All students are issued with a locker. Devices should be kept securely locked away when they do not have it on their person.

4. Use your iPad in accordance with the AUP Policy
   A copy of the AUP can be found in the College diary or on the College website. You will be required to sign this agreement document before you are permitted to utilize your device.

DON’Ts
1. Put your iPad in a humid environment
   Treat it as you would any other electrical device. iPads do not like extreme heat or cold temperatures.

2. Place your iPad between other books
   Your iPad is a fragile device. Placing it in between heavy books and folders will cause damage.

3. Connect your iPad to the school computers
   Connecting your iPad to a school computer will wipe your iPad and make it useless. You will have to take your iPad home and restore from a backup before you will be able to use it again.
Setting up your iPad

**Step 1: Connect to wi-fi**

**Step 2: Create an Apple ID / iTunes Accounts**

Students who are younger than 13 years of age are not legally able to create their own Apple ID/iTunes account. Parents will be asked to set up this account up on their child’s behalf. It is recommended that:

- this is a new and unique ID with no family sharing, so that there are no issues with synching content from other devices.
- students will need to know the iTunes password and be able to access the linked email account. You may use your child’s school email address to set up the Apple ID.
- there are no credit card details attached to this ID – use an iTunes card if credit for paid apps is needed. See [http://support.apple.com/kb/ht2534](http://support.apple.com/kb/ht2534) for instructions on how to do this.

Enter your Apple ID and password, or tap "Don't have an Apple ID or forgot it." From there, you can recover your Apple ID or password, create an Apple ID, or set it up later.

**Step 3: Have no credit card details stored**

When you use your Apple ID to sign in to the iTunes Store, App Store, or iBooks Store for the first time, you're asked to enter a payment method so that you can purchase items from the store. Select 'none' when asked to enter payment details.

If you are not given this option
1. Open the App Store app.
2. Choose any free app.
3. Tap **GET** next to the item, then tap again to get it.
4. Follow the onscreen instructions. When you’re asked for payment information, choose None.
Step 4: Download free suite of apps

New iPads come with certain apps already installed or available for free. If you are the second owner of your iPad, these may need to be purchased.

<table>
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<th>App</th>
<th>Status</th>
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<tr>
<td>Pages</td>
<td>FREE ($14.99)</td>
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<tr>
<td>Keynote</td>
<td>FREE ($14.99)</td>
</tr>
<tr>
<td>Numbers</td>
<td>FREE ($14.99)</td>
</tr>
<tr>
<td>iMovie</td>
<td>FREE ($14.99)</td>
</tr>
<tr>
<td>GarageBand</td>
<td>FREE ($14.99)</td>
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Step 5: Set up Restrictions

You can enable Restrictions, also known as parental controls on your child’s iPad. We recommend some restrictions, but not all.

Tap Settings > General > Restrictions.

Tap Enable Restrictions and enter a passcode. You can use the passcode to change your settings or turn off Restrictions. **Important:** If you lose or forget your Restrictions passcode, you’ll need to perform a factory restore to remove it.

We recommend the restrictions on the right in the ‘allowed content’ section as a start. There are further restrictions – privacy, allow changes and game centre – but changing too many others can mean that your child might have difficulties with some of the tasks they are given at school. Talk to your teacher if you are unsure of the other restrictions.
The following is a list of FREE apps which students will be using throughout the year. Any paid apps which students require will be issued by the school using Miraki Systems Manager.

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<thead>
<tr>
<th>Required FREE apps</th>
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<td>Seesaw</td>
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<td>Google Drive</td>
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<td>Google docs</td>
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<td>Google Slides</td>
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<td>QR reader</td>
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<td>A+ spelling test</td>
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<td>Epic</td>
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<td>Education Perfect</td>
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<td>Pic Collage</td>
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<td>Thinglink</td>
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<td>Puppet Edu</td>
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<tr>
<td>We Do</td>
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<td>e-platform</td>
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<tr>
<td>popplet</td>
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<tr>
<td>Dictionary.com</td>
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<tr>
<td>Google earth</td>
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<tr>
<td>Khan academy</td>
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<tr>
<td>Sphero</td>
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Internet Safety

Whilst at school, student use of the internet is both filtered and monitored. Technology is required to be integrated into all subject areas, and as such all teachers are also responsible for teaching lessons about digital citizenship, cybersafety, cyberbullying, protecting privacy, keeping information secure, using passwords, looking after equipment and much more. These skills are outlined in the *Australian Curriculum – ICT General Capabilities*.

**Internet safety at home is the responsibility of the family.** St James Lutheran College regularly sends out information about internet safety via newsletters, pamphlets and brochures, copies of which are often also on the school website. Information is also discussed and given out at various Parent Information Nights throughout the year.

**Some simple things that you can do at home as parents to help your children stay safe on the internet are:**

- talk to your children often about internet safety.
- talk to your children about what they are doing on the internet.
- be aware and informed about both the benefits and risks of the internet.
- have some rules in place about time limits and areas in the house where students can use their devices.
- supervise your children, no matter how old they are.
- check security and privacy settings.
- learn about options for setting restrictions on devices and installing content filtering at home.

For more information regarding internet safety the Office of the Children’s eSafety Commissioner and the Australian Federal Police have easy to navigate websites:


Where can I get more information?

For further information or questions regarding the iPad Program you can speak to your child’s Pastoral Care teacher or the Digital Learning Coach/Librarian on 41285500 or email resourcecentre@stjameslc.qld.edu.au
Please ensure you have completed each requirement on this checklist. For you to be able to use your device at school, please return this to the Resource Centre.

☐ I have created an apple ID. It is __________________________. (This is to enable to school to deploy paid apps to student iPads)

☐ I have access to the email address used for the apple ID

☐ I have no credit card details stored on the iPad

☐ The recommended restrictions have been checked. The password has been recorded and stored in a safe place

☐ I downloaded the apple suite of apps when setting up the iPad (Pages, Numbers, Keynote, iMovie, Garage Band)

☐ I have downloaded the FREE apps required for use at school

☐ It has a protective cover

☐ Our family has discussed an agreement for use of devices at home. A good example is the Family Media Agreement created by Common Sense media.

_________________________  ____________________________  ____________________________
Student Name                  Parent Name                      Parent Signature