



St Andrew's College is delighted to introduce a new 1:1 Computing Programme that will have students in Year 9 (2014) bring their own computer to school.

What is 1:1 Computing?

A classroom where there is one computer to each student. In the case of St Andrew's College, each student will be required to bring their own computer selected from a range of recommended models. This is different from a Bring Your Own Device (BYOD) programme where students can bring whatever computer they already own to class.

7 Reasons why 1:1 computing is important for today's students:

1. We need to prepare our students for future tertiary study and the work environment.
2. There are increased opportunities for collaborative learning.
3. It increases access to a huge range of electronic resources, which help enhance learning.
4. Students with their own device find it a natural progression of our e-Learning strategies, tying in with our LMS (Learning Management System)
5. There are a number of pedagogical benefits: (a) NZ Curriculum specifically references the value of e-Learning and (b) international research shows the benefits of e-Learning for students.
6. It is important to attract quality teachers who want to teach in a "digital classroom".
7. Students exist in a largely "digital world" outside of school, but school is often a non-digital world. This programme has potential to increase engagement in learning as they use the tools they are most familiar with to facilitate their learning.

What types/models of computers is St Andrew's College considering?

St Andrew's College have partnered with Cyclone, allowing parents to take advantage of Cyclone's bulk buying of devices across many schools throughout New Zealand. Additional software, warranty and accidental damage insurance will be available too. This allows students/parents to purchase a computer that they will develop a strong sense of ownership for and enjoy using for their school / homework.

You can see these recommended models and pricing by going to the following link:
<http://cycloneonline.co.nz/>

You will need to choose St Andrew's College from the left hand menu in the "Select Your Organisation" and then enter the following password:
l@top4STAC

There are currently three HP Windows8 laptops and two Apple MacBook Air laptops as recommended models ranging from \$999 to \$1478 (ex GST). Please note that due to Apple releasing a new version of the MacBook Pro we do not have this option online currently. A MacBook Pro option should be available in October.

Additionally, we hope to add a Windows8 Tablet model in October - this will most likely be the Windows Surface RT (pending availability through our supplier).

What software options are available?

The College is also looking to negotiate some options around MS Office and MS Windows8 Pro upgrades. The details have not been fully confirmed yet, however if you're considering purchasing MS Office for your child's laptop you may want to wait for now. The options are likely to be:
- MS Office for Students - \$35/year (ex GST) for students of St Andrew's College. This entitles them to upgrades when released, provided that they have paid each year. Please note: Microsoft currently requires this version of Office to be removed when the student leaves St Andrew's College.



St Andrew's College

One to One Computing

- Windows 8 Pro Upgrade - \$25/year (ex GST) for students of St Andrew's College. This would apply to the HP 430 model (Win8) and the Apple MacBooks. If your child purchased an Apple Macbook they could, for \$25/year, install Win8 Pro and 'dual boot' their laptop - choosing to run either Apple's OS X platform or Microsoft's Windows 8 platform. Please note: Microsoft currently requires this version of Windows8 to be removed when the student leaves St Andrew's College.

For both of these offers, the College would need to order these licenses and charge via disbursements. The reason for notification now is to give you a choice to purchase MS Office outright or take advantage of the annual license fee above.

How compatible would these computers be with the systems used here?

These machines would all be selected to ensure maximum compatibility with the College network, wireless support and printing. We do not recommend iOS based devices (iPad, iPod Touch) or Android. The reason is we believe that with a full operating system (OS X or Windows 7 or Windows 8) you can overcome most compatibility issues, whereas tablet-based operating systems do not provide the same degree of compatibility.

What is the anticipated price points of these computers?

We aim to recommend a range of devices with the maximum recommended device to remain under \$2000. You can see these recommended models and pricing by going to the following link:
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Can I buy the computer directly from St Andrew's College?

No - St Andrew's College will not be offering direct sales of computers, however will be working through a preferred supplier where the purchase can be made completely online.

Whose responsibility is the insurance and warranties for the computers?

As St Andrew's College would play no direct role in the procurement process, the warranty and insurance is the responsibility of the student/parent. We are only recommending Windows devices that have a three year warranty by default (as they are classified as business machines) and will work with our preferred supplier to offer "bundles" that allow the Apple devices to upgrade the warranty to three years.

We will also work to offer device specific insurance coverage such as HP's Accidental Damage Protection (<http://goo.gl/QRS8p>) Pricing is to be confirmed but it is around \$200.

What happens when my child's computer is away for repair/replacement?

To encourage families to use the preferred supply partner, we will be stocking a number of the recommended models at our IT help desk. If your student's device needs to go away for repair then they would be able to use of the replacement spares for the duration of repair/replacement (subject to availability of spares).



If your student's device was purchased elsewhere we will consider what options we can offer; for example, use of the above spares at a small surcharge.

How regularly will my child use their computer in their classwork?

This will obviously differ from class to class and teacher to teacher. Some subjects lend themselves to using a computer more naturally than others. All Year 9 teachers in 2014 will have been provided considerable PD and implementation time to allow them to feel confident in teaching a class of students with a laptop each.

Our expectation is that in most subject areas the laptops will be used more often than not, and platforms like our College Learning Management System (Moodle) (<http://classes.stac.school.nz>) will contain notes / resources and be updated regularly for students.

What about when my child needs to handwrite exams?

All students will still need to handwrite most of their assessment in formal exams, particularly external examinations. Our most progressive e-Learning teachers are already catering for this, requiring students to submit all practice assessments in hand writing. This allows for students to gauge how many pages they write per hour and prepare realistically for external examinations.

What is planned for a pastoral care programme to address any issues that may arise with inappropriate computer usage?

Scheduled meetings with the Middle School pastoral team are scheduled for Term 3 and Term 4 to draft a programme that contains clear guidelines around what happens when students use their devices inappropriately. This programme, along with the Responsible Use Agreement all students have to sign, will be explained during the Orientation Week at the start of 2014 for incoming Year 9 students.

Does St Andrew's College provide any internet filtering?

Yes – St Andrew's College invested in a new firewall / filtering solution in 2012, a Fortigate 600c with specific functionality intended to support 1:1 computing filtering <http://goo.gl/TzzFQ>

Will there be wireless access in every classroom?

Yes – St Andrew's College is investing over \$100,000 in 2013 to completely replace the wireless network, which will provide robust, fast wireless internet access into every teaching and learning space around the College.

Are there any plans for an orientation programme for my child when they come with their new laptop?

Yes – planning is underway for an online orientation programme that all Year 9 students will be required to complete at the start of 2014. The goal of this is to help students manage their devices responsibly, learn how to store files in a logical way so that they can locate and retrieve them when required.

This orientation programme is most likely to be delivered via our LMS <http://classes.stac.school.nz> and those students that require additional follow up support will be able to receive it.

Where can my child store their laptop securely?

All existing lockers are secure and large enough to contain the recommended laptop devices. The College is also investigating the purchasing of a number of secure charging lockers in locations such as the Library and/or Middle School office.

Will my child be able to print from their own laptop?

Yes – all students using Windows 7, Windows 8 or Apple OS X will be able to print wirelessly to the College copiers.



Will there be a requirement for the computer to have anti-virus on it?

A condition of connection to the College wireless network will be having an active and up-to-date AV programme installed. There are a number of good quality free ones available if students do not wish to purchase one.

What options can the College provide for backing up the computer?

The College will be recommending students use the free online backup solution offered via our Office365 subscription. This allows students to have 7GB free to backup files on their local computer and they can do this wirelessly while at school.

How will my child be able to charge their laptop?

While a limited number of secure charging areas will be available, there is a strong requirement for students to bring a fully charged device to school each day and take responsibility to remember to charge it.

Will there be any IT technical support for my child and their laptop?

Yes – there is currently a team of four in the IT Helpdesk that can help students with basic support requests.

What do all the acronyms mean?

BYOD = Bring Your Own Device. Typically associated with the bringing of any device you currently own with little to no standardisation.

1:1 = Denotes a formalised programme where there is one laptop for every one student. At St Andrew's College we strongly recommend students choose one of the preferred devices.

LMS = Learning Management System. The College uses Moodle.

What does the NZ Curriculum say?

The NZ Curriculum notes that students should be:

- Confident – motivated and reliable
- Connected – effective users of communications tools and international citizens
- Actively Involved – participators in a range of life contexts
- Lifelong Learners – actively seeks, users and creators of knowledge; critical and creative thinkers

Digital devices are now a part of the learning experience for students. E-Learning refers to all forms of electronically supporting teaching and learning. One to one computing is a part of e-Learning.

International reports in the area of one to one computing show that:

- In an age in which computers feature strongly in everyday life and education, the minority of students who have limited access to them, who use them little and who are not confident in using ICT are not performing well. (OECD 2005)
- e-Learning tools can motivate and engage students. These may be critical factors leading to improved educational outcomes.

What are some of our teachers saying?

"Technology is "out there" and happening - we can't ignore it."

"As a teacher there is a professional expectation that we adapt and explore tools that improve learning."

"It's not technology for the sake of it - the end goal must always be better learning outcomes for the students."

Pilot Studies at St Andrew's College

We have trialled devices with staff and students including the HP / Cyclone assisted with 10x ElitePads 10x 9470m.

Students were surveyed after the trial with 73.8% indicating that they would prefer to own a laptop compared with 26.2% who would prefer to own a tablet.



Ease of data entry and data sharing and the overall ease of use scored above 82% in all these areas for the laptop, whereas the tablet outscored the laptop in ease of portability (carrying it around) and weight.

Here's some of the comments staff made after trialling one to one computing with their classes:

- Easy to interact/create
- Can do more multimedia stuff
- Good for kids who are absent long term
- Able to upload work and get feedback
- Students able to download YouTube clips
- Interactive capabilities are great
- All information is available to students
- Fantastic – intuitive to use
- Learning how to switch off/shut down activities so students had deadlines and had to meet them
- Students have no excuse for losing stuff!

At the end of 2012 we conducted a survey of Moodle (our Learning Management System). We received 354 responses from students (Years 7 – 13). Some of the key findings included students identifying that the following activities conducted on Moodle were very valuable to their learning: uploading files (e.g. Word, PDFs, PowerPoint etc); hyperlinks to other websites; forums (homework and discussions); online assignments (e.g. submitting individual responses or uploading a file). The one to one computing programme will directly relate to Moodle from 2014. All staff teaching Year 9 classes will be required to use their Moodle page as a regular part of their programme. Many staff are already doing this and there is ongoing professional learning in place.

How do I find out more information?

If you have any particular concerns please contact:
Director of ICT Sam McNeill 940 2054 or
SME@stac.school.nz
