

ICSS iPad Program



Implemented 2019

Updated 2022

Striving to be confident and effective thinkers, creators and communicators who make a positive contribution to the world around them.

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Rationale

1.1 ICSS Vision

Ithaca Creek State School has an explicit improvement agenda to implement a whole school approach to the Australian Curriculum: Technologies. Our vision is for Ithaca Creek State School students to be confident and effective thinkers, creators and communicators who make a positive contribution to the world around them. From Prep, we aim to prepare students to become innovators for the future. Teachers become facilitators of learning and students will become problem solvers, developing sustainable solutions through collaborative engagement with their peers. With classroom sets of iPads from Prep- Year 2 and the rollout of 1:1 iPads for Years 3- 6, students will gain the opportunity to engage with Technologies, utilising an age- appropriate device.

1.2 Australian Curriculum

The Australian Curriculum encompasses the Technologies curriculum as well as the ICT Capability. Our iPad policy ensures that students are able to engage fully with these essential areas of the Australian Curriculum.

The Digital Technologies curriculum is broken into two strands:

Digital Technologies knowledge and understanding – the information system components of data, and digital systems (hardware, software and networks) and Digital Technologies processes and production skills – using digital systems to create ideas and information, and to define, design and implement digital solutions, and evaluate these solutions.

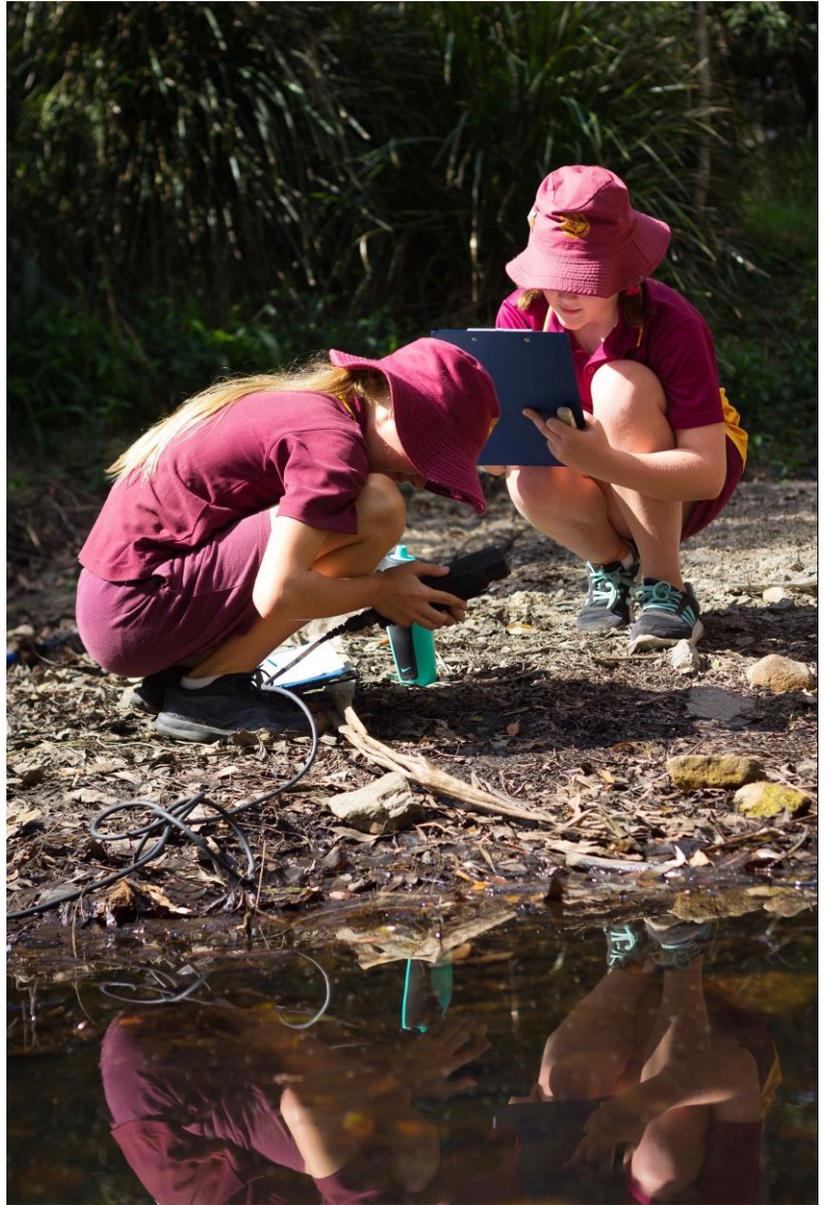
The clear difference between the Digital Technologies curriculum and the ICT general capability is that the capability helps students to become effective *users* of digital technologies while the Digital Technologies curriculum helps students to become confident *developers* of digital solutions.

1.3 STEM in Queensland schools

As part of the Science Technology Engineering and Maths (STEM) strategy in Queensland State schools, every state school is required to offer the Digital Technologies curriculum, including coding and robotics (*Schools of the Future*, DET, 2016). This recognises the increased demand for STEM graduates in the workforce and the growing use and impact of information and communication technologies. With employment in STEM related fields growing twice as fast as other occupations, there is a need for ICSS to prepare students for their future as digital citizens in a globally competitive workforce.

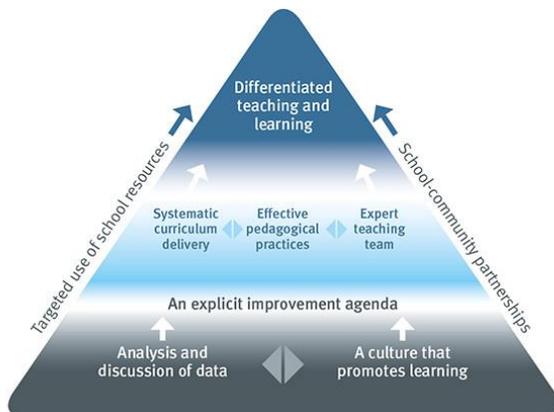
1.4 Looking ahead

Our strategy for preparing ICSS students will incorporate the development of Project Based Learning (PBL), integrating History and Social Sciences (HASS), Technologies and Media Arts. These stand-alone subjects developed into meaningful units of work, will engage students with real life inquiry and hands-on learning. For example, taking iPads to Ithaca Creek to collect data (images, video, text, graphs), and develop solutions to communicate to the wider community.

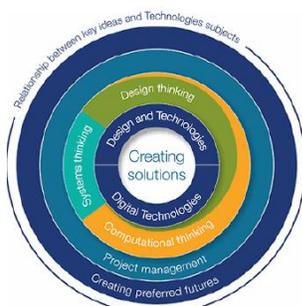


Pedagogical Framework

2.1 Curriculum



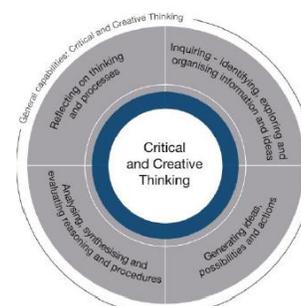
ICSS uses a differentiated approach to teaching and learning. This involves systematic curriculum delivery, effective pedagogical practices and an expert teaching team. The 1:1 iPad classes allow teachers to become facilitators of learning, with students engaged and working collaboratively. Teachers can focus on goal-setting and provide feedback throughout student learning.



DIGITAL TECHNOLOGIES and DESIGN AND TECHNOLOGIES relationship



ICT Capability



CRITICAL AND CREATIVE THINKING General Capability

The Australian Curriculum demands high standards in literacy and numeracy across all learning areas in addition to the general capabilities. The 1:1 iPad classes provides differentiated opportunities for students to access these requirements through:

- rigorous, on-going and real-time assessment,
- consistent learning achievements across the curriculum utilising digital literacies
- Critical and Creative thinking skills- across the curriculum and a strong focus within Technologies
- Information and Communications Technology (ICT) - required capability to ensure students are familiar and confident users of technology.



Our students are confident and effective thinkers, creators and communicators who make a positive contribution to the world around them

Our Vision

To capably deliver the Australian Curriculum so that every student is learning and experiencing success

Our Purpose

To know and vigorously respond to the needs of individuals and the community of learners

Our Commitment

Our Values

Safety from structure
Joy from respectfulness
Challenge from responsibility

We are M.A.D about learning and...

Strive to Improve

in all we do..

2.2 Apps

The 1:1 iPad classes ensure that all students have equal access to required apps and online resources. As the iPads are school-managed, ICSS will control the content and accessibility of each device. We will be using a selected range of apps that are suitable across the curriculum, include Microsoft Office 365 and Apple apps. All apps will focus on literacy, numeracy, technology and collaboration.

2.3 Usage in the classroom

The flexibility of the 1:1 iPad class allows for consistent access. We envisage iPad use to be between 25-50% of the school day. Our focus is on providing opportunities for students to engage with and utilise technology across all areas of the curriculum as required by The Australian Curriculum. A balance of technology and traditional teaching methods is essential, and all classes will reflect this.

The iPads are used in the classroom; however, students will not take them home. This avoids accidental breakage, low battery charge and leaving the iPad at home. Intentionally, greater supervision and safety of our students is our priority. In addition, iPads will not be required to complete homework tasks.

2.4 Email

At Ithaca Creek State School, students have access to a Department of Education email account, which they can access from home and school for the purposes of learning. Student emails are monitored by the Department of Education (DoE) for inappropriate use, content and language. Students will utilise email from Year 5 to communicate with teachers regarding assessment and other students to assist with collaboration on tasks.

Implementation strategy

3.1 Device details

The advantages of the Apple iPad allows ICSS to provide reliable and functional technology opportunities for students. These include:

- ❖ Access to knowledge, information and content through appropriate apps to support student learning
- ❖ Access to wireless Internet to allow for information and online content
- ❖ Access to multimedia including videos, interactive content, images and creative apps
- ❖ Personalised and quick access to the device, allowing for productive and efficient use of class time
- ❖ Lightweight and sturdy technological device
- ❖ Opportunity for collaboration and communication with peers, teachers and in global contexts
- ❖ Differentiated learning opportunities to cater for the wide range of learning styles and abilities of each student
- ❖ High student engagement both independent and collaborative.

3.2 Financial requirements and equitable access

In order to provide equity to access across the school, ICSS has determined the following costs:

| Year | Payment | Access | 2023 | 2024 | 2025 | 2026 |
|------|-----------------------------|--------|-------|-------|-------|-------|
| 3 | Hire: Resource Scheme | 1:1 | \$200 | \$120 | \$120 | \$110 |
| 4 | Hire: Resource Scheme | 1:1 | \$120 | \$120 | \$110 | |
| 5 | Hire: Resource Scheme | 1:1 | \$120 | \$110 | | |
| 6 | Hire: Resource Scheme | 1:1 | \$110 | | | |

ICSS iPad Policy

Projected total iPad lifetime costs has been estimated at:

| Item | Cost |
|--|----------------|
| iPad 64GB WiFi | \$450 |
| Case | \$55 |
| Screen Protector | \$10 |
| Stylus | \$15 |
| Management (4 years) | \$60 |
| Apps | \$30 |
| Charging Device | \$10 |
| Total | \$630 |
| <i>Year 4 Bluetooth external keyboard (optional)</i> | (approx. \$55) |

This ensures the following:

- Storage and charging facilities
- 1:1 iPads from Year 3-6 commencing with Year 3 in 2019, full rollout by 2022
- Robust covers suitable for student use
- All required apps and device management system costs
- Significant reduction of school booklist requirements from Years 3-6
- Ongoing maintenance and support

Students who enrol at Ithaca Creek State School at any stage after year 3, will begin hire payment from the year level they enter.

3.2.1 Disposal

Disposal of the units will occur at the end of their school life span. The school will dispose of the items as appropriate to Education QLD Department policy at that time and in consultation with the P&C. Until disposal, they remain the property of ICSS.

3.3 Technical support

ICSS has a technology team available to support and maintain the school iPads. This comprises:

- The Head of eLearning- (Technology coach) to provide in-class support with iPad classrooms
- School Technician- to provide technical support and maintenance
- TechKnow Kids- trained students to assist with peers and teachers to support and model technology use in the classroom

Policies and procedures

4.1 Web access

The Internet provides multiple opportunities for teaching and learning, however all students need to be cyber aware. ICSS staff acknowledge the role of teachers to provide duty of care and monitor student activity as well as provide cyber safety training and education. It is also the expectation of students to take responsibility for their own behaviour. Students will be required to act in accordance with the requirements of the *Responsible behaviour plan for students* and the *ICSS Internet access agreement form*. In addition, Education Queensland's *Managed Internet Environment* provides a web filtering system to help protect against malicious activity and inappropriate web sites for both staff and students.

4.2 Student expectations

Students have an expectation to:

- Use the iPad for educational work as set by the teacher
- Engage with the device to develop ICT, literacy and numeracy skills
- Be responsible users of technology, following DoE and ICSS guidelines
- Research, collaborate safely and within DoE and ICSS guidelines
- Communicate with teachers and students in relation to school work
- Treat the iPad with respect- storing, charging and protecting it from accidental damage
- Wilful damage will incur a cost that will be passed onto parents

Risk assessment

Occupational Health and Safety

Teachers will consider the following when students are using the iPads.

- Taking regular rest breaks
- Not using the iPad for more than one continuous hour
- Working in an environment where glare is taken into consideration
- Using the iPad on a desk rather than on the lap whenever possible
- Changing the viewing angle to minimise the need to bend the neck
- Using a chair that maintains good posture

Potential Hazards

Potential injuries that can occur through using iPad include:

- Occupational Overuse Syndrome (OOS) (also known as repetitive strain injury (RSI) as a result of sustained unnatural postures and/or prolonged tension on muscles, tendons and other soft tissues.
- Eye strain through use in environments where there is poor lighting, glare or reflection and as a result of straining to view details on small screens.

Preventing Eye Strain

The constant viewing of small objects on small screens, incorrect monitor position, or glare or reflection can cause eyestrain and headaches from lighting sources. The risk of eyestrain is by ensuring students:

- Have adequate lighting
- Increase font size for comfortable viewing
- Position the iPad screen for comfortable viewing distance
- Take frequent rest breaks
- Regularly blink to lubricate your eyes
- Adjusting the screen brightness, colours and/or contrasts can also assist in reducing eyestrain

iPad apps

ICSS iPad Apps

Apple apps



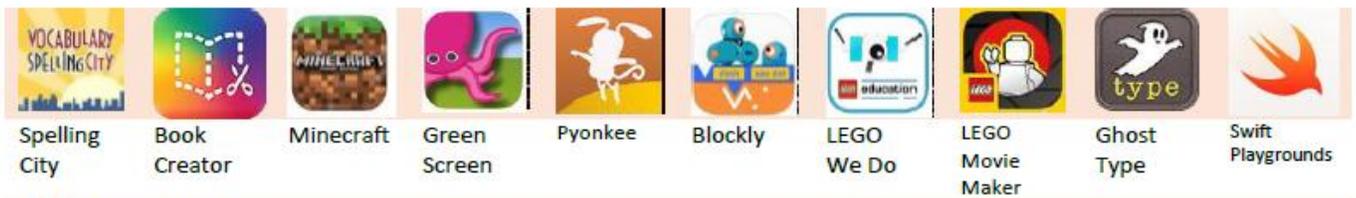
Age-appropriate apps

P-2



Age-appropriate apps

3-6



Across year levels



Agreement form

1:1 iPad Program Student Participation Agreement

General Use

1. I will place my iPad in the charging station at the end of each day.
2. I will keep liquids, food and drinks away from my iPad.
3. I will immediately report any accidents or breakages to the teacher.
4. I will position my iPad correctly (as shown by my teacher) to avoid eye and back strain.
5. I will cease using my iPad immediately as directed by the teacher.

Content

1. I will use my iPad only for the purpose my teacher tells me.
2. I understand staff will perform checks to monitor content and to check the websites I visit.

Safety and Security

1. I will only go to websites at school that support my learning activities.
2. I will only use my school email account for mail related to my learning.
3. I will only take photos and record sound video, when granted permission by my teacher.
4. I will not share my account name or password with anyone unless requested by staff when servicing my iPad.
5. I will use my iPad lawfully and in accordance with the *Responsible Behaviour Plan* for Ithaca Creek State School.

I have discussed all of the above expectations with my parent/s.

I understand my teacher will explain these expectations to me at school and show me how to follow them.

I understand should I not follow the above expectations, disciplinary action may occur.

Name of student: _____ Student Signature: _____

Name of parent: _____ Parent Signature: _____

Date: _____

Authorised at Ithaca Creek State School by:

Principal Name: _____ Principal Signature _____

Date: _____