



NLS Digital Learning Strategy 2017 – 2021

The Vision

Nurturing well-rounded citizens of the future with a lifelong passion for learning

Digital Learning Goals

North Loburn School will provide a learning environment where connected, confident, active learners work together to prepare for their futures.

Learning outcomes for all North Loburn School students will be improved through the use of digital technologies.

This plan outlines the objectives that we would like to achieve through the use of digital technology at North Loburn, the purchasing plan for the next 5 years and the methods of funding we will use to maintain our resources.



Connected Learners	
Strategy	Evidence
<p>NLS learners will have:</p> <ul style="list-style-type: none"> • A sustainable and effective ICT infrastructure that meets digital learning and administrative needs 	<ol style="list-style-type: none"> 1. A fast and reliable wireless internet connection 2. Modern and functional digital equipment 3. Appropriate hardware and apps 4. Sufficient access to student devices
<ul style="list-style-type: none"> • Access to effective ICT support 	<ol style="list-style-type: none"> 1. Readily available technical support 2. Training in self support 3. Guidance and mentoring 4. An effective "help" mechanism
<ul style="list-style-type: none"> • Access to an Ultra Fast Broadband connection 	<ol style="list-style-type: none"> 1. An ultra-fast broadband connection managed through N4L
<ul style="list-style-type: none"> • Appropriate security and privacy mechanisms 	<ol style="list-style-type: none"> 1. Students, staff and parents educated about cyber-safety 2. Internet Safety Policy & Procedures for students and teachers 3. Google accounts (Hapara) for Year's 4-8 students 4. Student digital work and traffic monitored and controlled
<ul style="list-style-type: none"> • An effective student information management system 	<ol style="list-style-type: none"> 1. Expanded teacher capability in use of the school's student management system (Assembly) 2. Google accounts for students in Y4-8

Confident Learners	
Strategy	Evidence
<p>NLS School learners will have:</p> <ul style="list-style-type: none"> • Confident and capable teachers who effectively integrate digital learning into their professional practice 	<ol style="list-style-type: none"> 1. Ongoing professional development for teachers on new technologies as they are introduced to the school 2. Teachers supported with planning and assessment 3. Early adopters used to guide and mentor others 4. Techniques for sharing resources across the school developed and progressed
<ul style="list-style-type: none"> • The confidence and capability to effectively engage in digital learning across the curriculum • Improved learning outcomes through the appropriate use of digital technologies to support learning and digital citizenship 	<ol style="list-style-type: none"> 1. A school culture of peer tutoring in digital learning 2. Students have a voice in the planning for digital learning 3. Opportunities for tuakana-teina evident throughout the school 4. Alignment of digital learning and devices with local secondary schools 5. Student capabilities used to support teachers and other students
<ul style="list-style-type: none"> • Leaders who have the confidence and capability to effectively lead and manage digital learning professional development • School leaders who lead and support the integration of digital learning 	<ol style="list-style-type: none"> 1. Current pedagogy in digital learning investigated and pursued 2. Links with other schools in our cluster harnessed 3. Digital learning integrated into teacher appraisal system

<ul style="list-style-type: none"> An informed and supportive Board of Trustees and community 	<ol style="list-style-type: none"> Board of Trustees fully informed and engaged Governance decisions progressive and supportive Budgets and plans approved and monitored Parents fully informed through notices and parent information evenings Parents have access to student digital learning Student achievement reported to the Board of Trustees
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Active Learners	
Strategy	Evidence
<p>NLS School learners will have:</p> <ul style="list-style-type: none"> The opportunity to use, seek and create knowledge through the use of digital technologies Relevant and engaging educational contexts provided through the use of high quality digital content Teacher and students who can work collaboratively online whilst at school or elsewhere using a range of platforms 	<ol style="list-style-type: none"> With the support of parents, the school will provide a range of digital devices, software and guidance to allow students to use the best tool available for the learning task in hand Digital learning is planned for in authentic and deliberate ways to provide opportunities to enhance learning Collaboration between classes, teachers and communities promoted Expert students provide technical and instructional support

Learners Working Together	
Strategy	Evidence
<p>NLS School learners will have:</p> <ul style="list-style-type: none"> Increased understanding of the importance of digital learning Increased community participation in learning through the use of digital sharing tools 	<ol style="list-style-type: none"> Current research and links to websites and articles shared with staff Networking with other schools encouraged Platforms for sharing between staff provided Staff provided with time to become familiar with new applications Success stories shared through newsletters and the website Student's use of digital learning regularly shared and celebrated On-line publishing used for children to share their learning with parents and others

Where we would like the devices to be used....

iPads	Chromebooks	Mac Books
Junior school	Year 4 - 6	Year 7/8

This chart indicates the preferred use of the devices we will have however, flexibility will still exist if teachers require certain devices for certain purposes.

Long Term Strategic Purchasing Programme

Our ultimate goal is to be able to have sufficient devices that are up to date within the school so that students are able to have access anytime, anywhere.

To achieve this goal the following steps need to be put in place:

	2017	2018	2019	2020
Current devices	Chromebooks =0 iPads = 54 MacBooks =34	To be updated as hardware is increased / replaced	To be updated as hardware is increased / replaced	To be updated as hardware is increased / replaced
Laptops		Replace 7 MacBooks with MacBook air	Replace 7 MacBooks with MacBook air	Replace 7 MacBooks with MacBook air
Chromebooks	Lease 50 Chromebooks (start T3)	Lease 50 Chromebooks	Lease 50 Chromebooks	Lease 50 Chromebooks (end T2) New lease to start Term 3
iPads		Use of fundraising and grants to update iPads as needed	Use of fundraising and grants to update iPads as needed	Use of fundraising and grants to update iPads as needed
Network infrastructure	Wireless deployment of apps on iPads and new laptop updates as needed. N4L in place utilising fibre connection. Monitor wireless network (range and speed)	Wireless deployment of apps on iPads and new laptop updates as needed.	Wireless deployment of new apps on iPads and new laptop updates. Explore community use of school fibre connection outside school hours???	Wireless deployment of new apps on iPads and new laptop updates.

<p>Student Agency</p>	<p>Continue to develop the use of Google docs for staff and student use.</p> <p>Encourage the use of 'sharing' options with the students as a way of gaining feedback.</p> <p>Continue to use Hapara Dashboard.</p>	<p>Continue to encourage the use of Google as a way of communicating and celebrating our students learning.</p> <p>Further Google / ICT evenings for community.</p> <p>Revisit cyber safety</p> <p>Explore the development of our online presence through the website</p>	<p>Continue to monitor the use of Google docs with our students.</p> <p>Develop ICT resources within our school as authentic products that have been created by students (coding etc)</p>	<p>Students becoming the experts and being able to share their knowledge with our younger children.</p> <p>Explore a wider range of ICT opportunities where interested students can excel.</p> <p>Revisit cyber safety</p>
<p>Professional Development</p>	<p>PD around the use of Google (Google Summit in holidays)</p> <p>Learning with Digital Technologies through the U Learn conference</p>	<p>Online collaboration through PD provided by the CoL</p> <p>Staff encouraged to explore readings and share.</p> <p>Staff PD with a particular focus on student agency.</p>	<p>Staff attending ULearn Conference.</p> <p>Explore the option of developing google certified teachers within the school.</p>	<p>Continue to encourage staff PD in ICT.</p> <p>Staff to have input into the key areas that we feel need development.</p>

To achieve the plan we have put together we need to consider the financial implications of this programme. The following options are ones we want to explore further.

- ④ *Leasing of 50 chromebooks (model to be confirmed) over a 3 year period. Approximate quarterly payments of \$2000*
- ④ *Replacement of 7 MacBooks with newer MacBook airs each year to be funded through our own school account (capital purchases)*
- ④ *Updating of the current iPad pods with more of these. Funded through grants and Home and school fundraising where possible (note: Home and School will not be relied upon to fund this equipment every year)*

The following is an outline of proposed financial plans to assist with this plan:

- ④ *Establishment of a \$12.50 per term ICT donation for Year 4-8 that will enable us to maintain the lease on new machines*
- ④ *Selling off of the older MacBooks to families who may require them (no more than 7 a year) at approximately \$50-\$300 depending on the age of the laptop*
- ④ *Exploring the idea of businesses within our community to sponsor machines (\$50 per machine) - a future option*
- ④ *The school budget will also be required to meet some of the requirements of the lease as we are aware there will be a shortfall, however a number of measures will be explored to make it work.*