



Personal Learning Device (PLD) Initiative

Briefing for Parents

A PRESENTATION BY
MINISTRY OF EDUCATION, SINGAPORE



The National Digital Literacy Programme and the PLD Initiative

An Overview

The National Digital Literacy Programme (NDLP)

1. The NDLP was launched in March 2020 to **make digital learning inclusive by equipping students with the digital skills** to be future-ready.
2. Under the NDLP, every secondary school student will **own a school-prescribed personal learning device (PLD)**. Students may use funds from their Edusave Account to pay for the PLD.

Intended Outcomes of the PLD Initiative

The use of the PLD for teaching and learning aims to:



**Support the Development
of Digital Literacy**



**Support Self-Directed and
Collaborative Learning**



**Enhance Teaching and
Learning**

Students' Experiences



<http://www.youtube.com/watch?v=atVkNBXMVnY>

Learning with a PLD

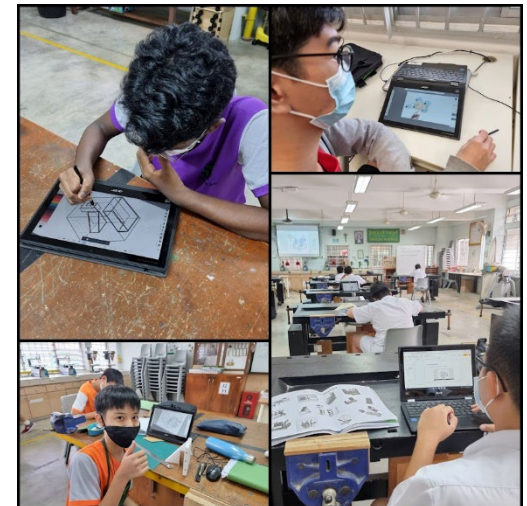
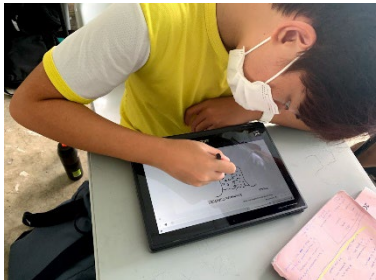
St Patrick's School

Note: The information contained in this deck of slides is customised according to our school's context and the device selected.

How will your child/ward use the PLD?

At St Patrick's School, your child will be using the PLDs for...

- active learning
- authentic learning tasks that require research, digital creation, and collaborative learning
- accessing online learning platforms and materials
- self-directed work
- alternative assessments



Supporting Students in the Safe and Effective Use of the Devices

Cyber Wellness Concerns Identified by International Studies



Harmful Online Content

50% of Singaporean teenagers are exposed to cyber threats and 28% of them are exposed to violent content.

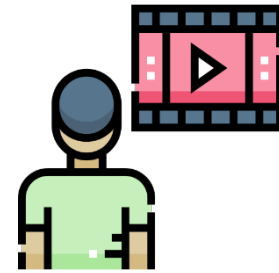
(COSI, 2020)



Distraction from Learning

72% of teens feel compelled to immediately respond to texts, social posts and notifications.

(Kimball & Cohen, 2019)



Excessive Screen Time

Teens who don't sleep enough report higher levels of depressive symptoms than well-rested peers (31% vs. 12%).

(Kimball & Cohen, 2019)

Supporting Students in the Safe and Effective Use of the Devices

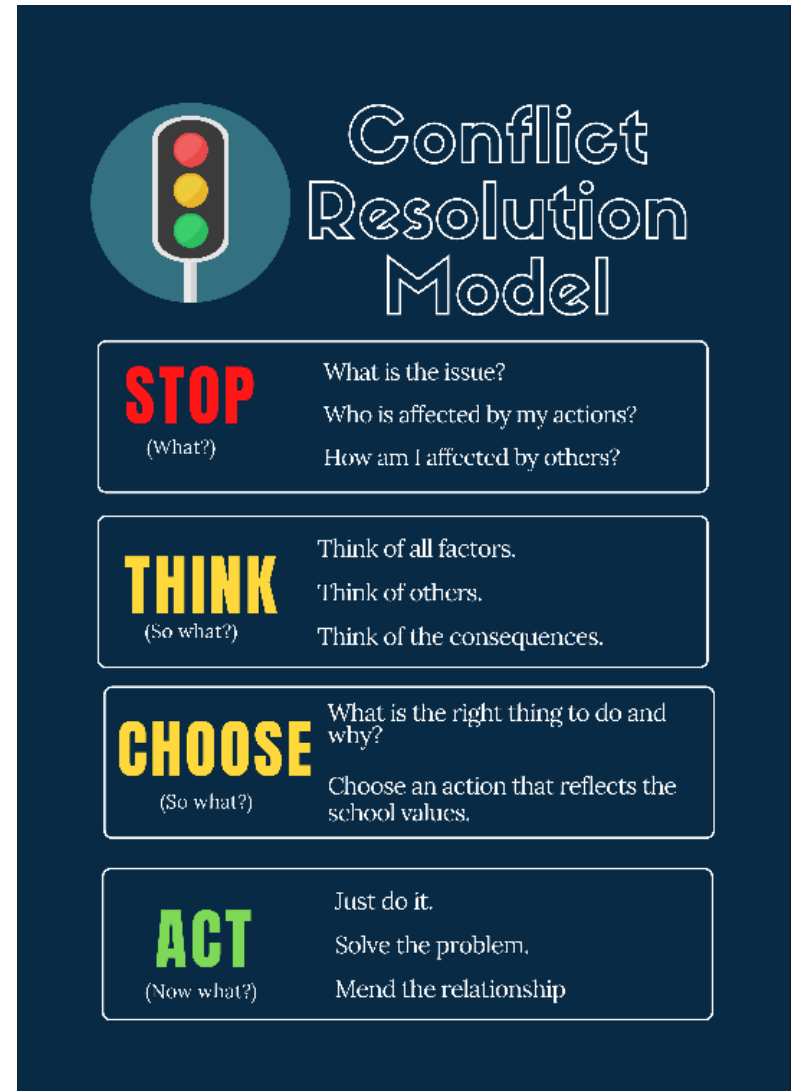
The school has measures in place to enable a safer digital environment for learning with the use of PLDs, e.g.

- Classroom management and routines
- Educating students on Cyber Wellness
- Partnering parents/guardians to ensure that students are well-supported in their use of technology for learning
- Device Management Application (DMA)


Classroom Management and Routines

Self-management

Promote self management skills through
cyber wellness thinking routines
(**STOP, THINK, CHOOSE, ACT**)



Classroom Management and Routines




ST. PATRICK'S SCHOOL

THE THREE C'S

CHARGE. CONCENTRATE. CHECK.

CHARGE




CHARGE your devices fully before coming to school.

CONCENTRATE


CONCENTRATE on your task.

Screens Down: fully listen to instructions first

Screens Up: continue learning on device



CHECK



CHECK that your devices are in your bags when not being used in class.

Cyber Wellness Education

Educating students on Cyber Wellness

MOE has made significant changes to the Character and Citizenship Education. Cyber Wellness lessons will feature significantly in the CCE2021 lessons.

Topics covered in the Cyber Wellness lessons include:

- Cyber Use
- Cyber Identity
- Cyber Relationships
- Cyber Citizenship
- Cyber Ethics

Cyber Wellness Education

The school also has strategies to enable school-wide implementation of CCE. These include:

- At least 1 student leader in every class to promote Cyber wellness.
- Student Council to lead in providing greater peer support on online platforms.
- CCE specialised teachers to guide the teaching and learning of Cyberwellness lessons in classrooms.

Parents'/Guardians' Role

- We would like to partner parents/guardians to ensure that students are well supported in their use of technology for learning.
- As parents/guardians, you can help in the following ways:
 - Model good digital habits for your child/ward e.g. parents/guardians not using devices during family meals.
 - Know your child/ward well, and have conversations with your child/ward about safe and responsible use of technology.
 - Set ground rules for internet/device usage.
 - Guide your child/ward to use productivity tools using his/her PLD, to organise information and simplify tasks for efficiency.

Parents' Voices: In Conversation on Students' Use of PLDs for Learning



<https://www.youtube.com/watch?v=6oIAtbruVf4>

Role of the DMA in Providing a Safer Digital Environment for Learning

Device Management Application Installation

- Your child's/ward's PLD will be installed with a Device Management Application (DMA) to provide a safer digital environment for learning.
- Installation of the DMA will be performed after the collection of the device. Students will be guided on the installation.
- This applies to both devices purchased through the school and pre-existing student-owned devices.
- The DMA will be funded by MOE and will be uninstalled from the device when your child/ward graduates/leaves the school.

In-School DMA Settings (Default)

Schools will determine DMA settings for **in-school use**. As a default, these settings will continue to be in place after school as well:

- MOE and the school will set the level of web content filtering, including filtering out objectionable content or content that may not be conducive to teaching and learning (e.g. social media, pornography, gambling, or websites containing extremist content)
- Students will be able to use the device from 6 a.m. to 11 p.m. daily
- The school will determine the apps and programs to be installed to support teaching and learning

Providing Parents/Guardians with Greater Choice for After-School PLD Use

The school will provide parents/guardians with more information on exercising the options.

Default	Option A	Option B
In-school DMA settings will continue after school hours	Parents/Guardians can modify the DMA settings after school hours	Parents/Guardians can choose to disable DMA after school hours
For parents/guardians who want their child's/ward's use of the devices to be restricted only to teaching and learning, and prefer to leave it to the school to decide on DMA settings after school hours.	For parents/guardians who want more leeway over the use of the device, and prefer to take charge of the level of restrictions for their child's/ward's use of the device after school hours.	For parents/guardians who do not want their child's/ward's use of the device to be regulated by DMA after school.

- Having default school settings continue after school hours is the best option for parents/guardians who prefer not to, or do not feel ready to manage their child's/ward's device use on their own.
- Parents/guardians can request to change their choice of DMA settings at any time.

Providing Parents/Guardians with Greater Choice for After-School PLD Use

	Default	Option A	Option B
Protecting students from objectionable content	MOE/school sets level of web content filtering	Parents/Guardians can apply additional content filtering	No content filtering
Reduce distractions from learning through control of applications	Parents/Guardians and students <u>unable</u> to install additional applications	Parents/Guardians and/or students can install applications after school hours, but these applications are disabled during school hours	
Limit screen time	School sets hours during which students are able to use the device online	Parents/Guardians can modify the amount of screen time*	No control over screen time

*Screen time limits set by the school will override parents'/guardians' settings during school hours.

Providing Parents/Guardians with Greater Choice for After-School PLD Use

	Default	Option A	Option B
Parent/guardian account	Provided to allow monitoring of PLD activities after school hours		Not provided
Monitor students' cyber activities	Parents/Guardians can track their child's/ward's browser history after school hours		<p>Parents/Guardians will <u>not</u> be able to monitor or control their child's/ward's use of the device through the DMA after school hours</p> <p>No data* will be collected during use of PLD after school hours</p>

Deciding on the Choice of After-School DMA Option

Parents/guardians may wish to consider the following questions before deciding on the choice of after-school DMA option which is best for your child's/ward's learning.

1. Child's/ward's current device usage habits

- How much time does my child/ward spend on their device?
- How well is my child/ward able to regulate their device usage on their own?
- Does my child/ward get easily distracted while doing online learning?

2. Parents'/Guardians' involvement

- How confident and familiar am I with managing my child's/ward's cyber wellness?
- Are there existing routines and open conversations on the use of the Internet at home?
- Am I aware of how to prevent different types of cyber threats that my child/ward might face?



Have a conversation with your child/ward to talk about which setting is best for your child's/ward's learning.

Data Collected by the DMA

The DMA does **NOT** collect any of the following data:

- Login IDs and passwords entered into websites or into any applications
- Actions performed (e.g. posts, online comments, items added to a shopping cart, etc.) when visiting websites and using apps
- Documents and photos stored in the PLDs
- PLD location
- Webcam videos and microphone recordings

Data Collected and Access Rights

- All user data collected through the DMA will be stored in secure servers managed by appointed DMA Vendors with stringent access controls and audit trails implemented. The DMA solutions used are cloud-based Software-as-a-Service (SaaS) solutions and are trusted solutions that have been operating for many years. They have also been subject to regular security review and assessment by independent reviewers.
- MOE has assessed and concluded that the DMA solutions have sufficient security robustness to ensure data collected are properly stored and protected. MOE will also subject the DMA Vendors to regular audit on the security of the system based on tender requirements.

Data Collected and Access Rights

To prevent unauthorised access, DMA Administrators and DMA Vendors will be required to access their accounts using 2-factor authentication or the equivalent to ensure proper accountability for information access and other activities performed. There will be regular account reviews and audits for DMA Administrators' and DMA Vendors' accounts.

Additional Resources for Parents

To support you in keeping your child/ward safe online, you may refer to these additional resources:

- Parent Handbooks (I) and (II) on Learning with a Personal Learning Device (<https://stpatricks.moe.edu.sg/about/pdip>)
- Parent Kit on Cyber Wellness for Your Child (<https://go.gov.sg/moe-cyber-wellness>)
- Parent Kit on Raising a Digitally Smart Child (<https://go.gov.sg/moe-raising-a-digitally-smart-child>)
- Parenting with MOE: Instagram Live session on Raising Digitally Smart Kids (<https://go.gov.sg/iglive-raising-digitally-smart-kids>)
- Schoolbag article 'Keeping our teens safe online' (<https://www.schoolbag.edu.sg/story/keeping-our-teens-safe-online>)
- MOE Cyber Wellness Programme (<https://www.moe.gov.sg/programmes/cyber-wellness/>)
- Media Literacy Council (<https://go.gov.sg/better-internet-sg>)
- National Library's Learning & Information Literacy Resources (<https://sure.nlb.gov.sg/>)
- TOUCH Community Services (<https://help123.sg>)

Device and Funding Information

PLD Bundle

Device Bundle includes

- ACER R753TN
- Associated accessories- USB Mouse, Power adaptor, Carrying case, Stylus
- 3-year warranty and 3-year insurance
- 2 repairs or 1 replacement claim

Insurance Coverage

The package includes a 3-year warranty, and 3-year insurance which includes:

Insurance Coverage	Claimable
<ul style="list-style-type: none">• Fire• Lightning• Power Surges• Accidental e.g water spillage, drop etc• Theft due to forcible entry• Robbery <p>* Accidental loss will not be covered by insurance.</p>	2 repairs or 1 replacement (3-year insurance)

St Patrick's School's Personal Learning Device



The school will be using the Chromebook, **ACER R753TN** for teaching and learning.

Total Cost with GST: \$549

Intel N4500 processor, 8GB
RAM, 64GB Storage,
11.6" Screen Size



St Patrick's School's Personal Learning Device



ACER R753TN

The school chose the device because of:

- Portability
- Durability
- Teaching & Learning (T&L) Affordances (touch screen with stylus, two cameras, microphone, compatibility with our T&L platforms/apps)
- Student familiarity in using chromebooks
- Good battery run time
- Price

Funding Support for Singapore Citizen (SC) Students

- **The cost of the device bundle can be paid using your child's/ward's Edusave account**, after setting aside provision for payment of second-tier miscellaneous fees.
- To ensure the affordability of devices, MOE has provided Edusave top-ups in 2020 to 2022 (\$200 in each year) to all eligible SC students in primary and secondary schools.
- This is on top of the annual \$290 credited into the Edusave account for Secondary School students and \$230 for Primary School students.

Funding Support for Singapore Citizen (SC) Students

- For SC students who are on MOE Financial Assistance Scheme or whose family's monthly income meets the following criteria:

Gross Household Income (GHI) \leq \$3,000, or

Per Capita Income (PCI) \leq \$750

the school will subsidise 50% of device bundle cost or \$350, whichever is lower.

- The remaining amount will be payable from the students' Edusave account. If there is insufficient balance in the students' Edusave account for the remaining amount, school will provide additional subsidy so that the cash out-of-pocket (OOP) is \$0.

For internal circulation only.

Funding Scenario: SC

Device Bundle
Cost

11.6"
ACER R753TN
\$549



	Student A (Not Eligible for Subsidy) GHI > \$4,400 or PCI > \$1,100	Student B (SC on MOE FAS) GHI ≤ \$3,000 or PCI ≤ \$750	Student C (Non MOE-FAS SC from lower income families) \$3,000 < GHI ≤ \$4,400 or \$750 < PCI ≤ \$1,100
Student Subsidy	\$0	\$274.50	\$164.70
Student Edusave account (If edusave balance is not sufficient, then it will be from Out of Pocket Cash payment)	\$549	\$274.50	\$384.30

For more details on financial assistance, please approach the school. Each student would receive a personalised bill subsequently.

Financial assistance and enquiries, contact ...

Joyce (Admin Manager)



6344 0929 ext. 105



leow_li-sze@moe.edu.sg

What's Next?

For Singapore Citizens (SC) Students

Time Frame	Activity
By 10 Jan	<p>Submit Letter to Parents for Procurement which includes the following annexes:</p> <ul style="list-style-type: none">• Intent to purchase• Use of Edusave <p>Through the online form at the following link http://go.gov.sg/pdlpadmin</p>
(TBC)	Collection of devices by students

WHAT'S NEXT?

Letter to Parents for Procurement



Parents with Singpass can access the Letter to Parents for Procurement to indicate your consent via the following link:

<http://go.gov.sg/pdlpadmin>*

* Parents/Guardians without Singpass can request for the hardcopy letter at the general office.

For Permanent Residents / International Students

Time Frame	Activity
By 10 Jan	Submit Letter to Parents for Procurement which includes the following annex: <ul style="list-style-type: none">• Intent to purchase By hand to school
March (TBC)	Parent/Guardian to make payment
(TBC)	Collection of devices by students

Annex D: *Intent to Purchase PLD*

1. Please tick the following and submit the form to the General Office no later than 10 Jan .:

☒ **Yes**, I would like to purchase the PLD bundle described in paragraph 3 of this letter and would like to use my child's/ward's Edusave (to the applicable limit) to pay for the PLD bundle. I understand that where there are insufficient Edusave funds to pay for the PLD bundle, I will pay for the remainder in cash.

☐ **Yes**, I would like to purchase the PLD bundle described in paragraph 3 of this letter and would like to fully pay for the PLD bundle in cash.

☐ **No**, I would not be purchasing the PLD bundle described in paragraph 3 of this letter and would like my child/ward* to use his/her* own personal computing device in school. I am aware that this is subject to the personal computing device being compatible with the DMA.

Annex E: Standing Order for Use of Edusave account

USE OF EDUSAVE ACCOUNT FOR PERSONALISED DIGITAL LEARNING PROGRAMME

STANDING ORDER¹ INSTRUCTION FROM PARENT / GUARDIAN

(Please tick as appropriate.)

1 I wish to use my child's/ward's* Edusave account for payment:



Personal Learning Device (under the Personalised Digital Learning Programme)²

2 I hereby give a standing instruction to authorise the school to withdraw from my child's/ward's* Edusave account to pay for the fees/charges indicated above.

3 If the balance in my child's/ward's* Edusave account is insufficient for the deduction, I agree to pay the shortfall in cash or from my GIRO account.

For enquiries on submission of forms, contact ...

Joyce (Admin Manager)



6344 0929 ext. 105



leow_li-sze@moe.edu.sg

Collection of Devices

Your child will be collecting his device from March onwards (TBC)

- **During the collection process, a member of the school staff will be present to assist him in ensuring that the device is in good working condition.**
- **We strongly recommend you allow your son to collect their device in school.**

Collection of Devices (con't)

- Should you be concerned that your child will not be able to properly verify the condition of the computing device, please arrange to either collect the computing device personally or appoint an adult proxy.
- **Self-collection will have to be made at the vendor's collection centre:**
 - Acer Computer (Singapore) Pte Ltd***
29, International Business Park #01-07,
Acer Building, Tower A, Service Centre (Side Entrance)
Singapore 609923
- **After collection, the device is to be handed over to the school, for installation of the DMA, the following day.**
- Please email (syed_salleh@moe.edu.sg) for further advice or clarification if you would like to make this arrangement.

Important Contacts / Helplines

To access/find out more about...	Contact/Helpline
This deck of slides	https://stpatricks.moe.edu.sg/about/pdip
Edusave Balance	6260 0777
Financial assistance and enquiries	Joyce (Admin Manager) 6344 0929 ext. 105 or leow_li-size@moe.edu.sg
Curriculum and technical matters	Syed Salleh (HoD ICT) syed_salleh@moe.edu.sg
Any other matters	stpatricksch@moe.edu.sg

Thank You.

St Patrick's
School
Potest Qui Vult

