

# Personal Learning Device (PLD) Initiative



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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



# Learning with a PLD



**MARSILING SECONDARY SCHOOL**

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



## MARSILING SECONDARY SCHOOL – Learning Using iPads

- 1) **Learn actively in all subjects:** **Participating** in Alternative assessments/ **Authentic learning tasks / Learning Experiences** that require research, digital creation, and collaborative learning.
- 2) **Learn beyond the classroom:** **Home-based learning**, Review past lessons, access digital resources on the **Singapore Student Learning Space (SLS)** platform and other digital platforms to enhance their learning,

# Marsiling Secondary School

## Use of iPads in Teaching & Learning



**Learning the Basic of  
iPads  
(Digital Literacies)**



**Exploration and Discussion  
(Self Directed and Collaborative  
Learning)**



**Creating Digital Artefacts  
(Creation)**



# Supporting Students in the Safe and Effective Use of the Devices

# 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)

## **Acceptance Use Policy (AUP) [Student Handbook Page 18-20]**

- The MSS AUP is a set of agreements and rules for all users to observe and follow when using any forms of Information and Communication Technology (ICT) devices/sevices in the school.
- Examples of ICT devices/sevices are but not limited to:
  - Personal Learning Devices (PLDs)
  - Personal Handphones
  - Computing devices (labtop)
  - Emails
  - Student Learning Devices
  - School Internet
  - Teaching and learning platforms: SLS, Classkick, google classroom etc.

# IPad Lockers in Every Classrooms

**All students are allocated a personal IPad locker to safekeep their devices during Recess, Lunch and CCAs.**



## **IPads Routines and Expectations**

Students are to bring their IPads to class everyday.

IPads are to be charged the night before so that there is adequate charge to last for the entire schooling day.

All IPads used in school must be installed with DMA, and the school hours restrictions will be in effect from 7 am to 6 pm on schooling days.

# Supporting Students in the Safe and Conducive Use of the Devices

The school has measures in place to enable a safe and conducive learning environment for students in the use of PLDs for teaching and learning, e.g.

- Educating students on Cyber Wellness
- Classroom management and routines
- Device Management Application (DMA)

We need to partner you in ensuring that your child is well supported both in and outside of school.

# 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

# 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



# **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 6am to 11pm 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
<b>In-school DMA settings will continue after school hours</b>	<b>Parents/Guardians can modify the DMA settings after school hours</b>	<b>Parents/Guardians can choose to disable DMA after school hours</b>
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
<b>Protecting students from objectionable content</b>	MOE/school sets level of web content filtering	Parents/Guardians can apply additional content filtering	No content filtering
<b>Reduce distractions from learning through control of applications</b>	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	
<b>Limit screen time</b>	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.

# 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



# 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 (shared by the school)
- Parent Kit on Cyber Wellness for Your Child (<https://go.gov.sg/moe-cyber-wellness>)
- 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

## Marsiling Secondary School Personal Learning Device



**A13 Bionic chip, 3GB RAM, 64GB  
Storage,  
10.2" Screen Size  
(WIFI)**

- The school will be using the
- ***Apple iPad 10.2" (9<sup>th</sup> Gen, 64GB, WIFI)***  
  
for teaching and learning.
- Total Cost with GST: **\$729.70**
- (Enhanced Bundle (3 years warranty) +  
Keyboard + Protective Case)

## Marsiling Secondary School Personal Learning Device



**A13 Bionic chip, 3GB RAM, 64GB  
Storage,  
10.2" Screen Size  
(WIFI)**

- The school chose the device because of:
  - Good OS stability.
  - Good Battery Life.
  - Availability of Education APPs
  - Support APPs and web based APPs (Google Classrooms, SLS).
  - Simple Interface.
  - Portability
  - Strong Partnership and Support from APPLE Education

# PLD Bundle

Device Bundle includes
<ul style="list-style-type: none"><li>▪ Apple iPad 10.2" (9th Gen, WIFI, 64GB)</li><li>▪ Ruggedized Combo 3 (Shock-absorbent Folio case with integrated keyboard)</li><li>▪ Insurance and Warranty</li></ul>

Your child's/ward's PLD will come with the **Enhanced** Device Bundle which includes:

- 3-year warranty and 3-year insurance
- 2 repairs or 1 replacement claim\* (*Accidental Loss will not be replaced*).

# 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 of \$200 in 2020 and \$200 in May 2021 (as part of the Household Support Package announced in Budget 2021), 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)  $\leq$  \$2,750, or

Per Capita Income (PCI)  $\leq$  \$690

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.

# Funding Scenario: Student A (SC)



**A13 Bionic chip,  
3GB RAM, 64GB  
Storage,  
10.2" Screen Size  
(WIFI)**

Student A (SC on MOE FAS) GHI ≤ \$2,750 or PCI ≤ \$690	
Device Bundle Cost	<b>\$729.70</b>
Student Subsidy	<b>\$350.00</b>
Available Edusave Balance <i>(After setting aside for 2<sup>nd</sup>-tier misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Additional Subsidy	<b>\$179.70</b>
Cash Out-of-pocket	\$0.00

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



## Funding Support for Singapore Citizen (SC) Students

- For SC students whose family's monthly income is:

$\$2,750 < \text{Gross Household Income (GHI)} \leq \$4,000$ , or

$\$690 < \text{Per Capita Income (PCI)} \leq \$1,000$

the school will subsidise 30% of device bundle cost or \$200, 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 not more than \$50.

# Funding Scenario: Student B (SC)



**A13 Bionic chip,  
3GB RAM, 64GB  
Storage,  
10.2" Screen Size  
(WIFI)**

Student B (Non MOE-FAS SC from lower income family) \$2,750 < GHI ≤ \$4,000 or \$690 < PCI ≤ \$1,000	
Device Bundle Cost	<b>\$729.70</b>
Student Subsidy	<b>\$200</b>
Available Edusave Balance <i>(After setting aside for 2<sup>nd</sup>-tier misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Additional Subsidy	<b>\$279.70</b>
Cash Out-of-pocket	<b>\$50.00</b>

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

# Funding Support for Singapore Citizen (SC) Students

- SC students whose family's monthly Gross Household Income (GHI) > \$4,000 or monthly Per Capita Income (PCI) > \$1,000, no subsidy will be provided. Parents/Guardians can use their child's/ward's Edusave or cash to defray the device bundle cost.

## Funding Scenario: Student C (SC)



**A13 Bionic chip,  
3GB RAM, 64GB  
Storage,  
10.2" Screen Size  
(WIFI)**

Student C (Not Eligible for Subsidy) GHI > \$4,000 or PCI > \$1,000	
Device Bundle Cost	<b>\$729.70</b>
Available Edusave Balance <i>(After setting aside for 2<sup>nd</sup>-tier misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Cash Out-of-pocket	<b>\$529.70</b>

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

**What's Next?**

#### WHAT'S NEXT?

## For Singapore Citizens (SC) Students

Time Frame	Activity
19 Jan 2022 (Wednesday)	Submit Letter to Parents for Procurement which includes the following annexes: <ul style="list-style-type: none"><li>• Intent to purchase</li><li>• Use of Edusave</li></ul> <b>Submit Hardcopy or through the online link on the letter</b>
Term 2 (Estimated)	Collection of devices by students

## WHAT'S NEXT?

# For Permanent Residents / International Students

Time Frame	Activity
19 Jan 2022 (Wednesday)	Submit Letter to Parents for Procurement which includes the following annex: <ul style="list-style-type: none"><li>• Intent to purchase</li></ul> <b>Submit Hardcopy or through the online link on the letter</b>
Before collection of devices	Parent/Guardian to make <b>payment via Giro/PayNow/Cheque/etc.</b>
Term 2 (Estimated)	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:

<https://go.gov.sg/pdipadmin> \*

\* Parents/Guardians without Singpass can request for the hardcopy letter via your child's/ward's form teacher.



# Collection of Devices

Your child/ward will be collecting his/her device in school **from <e.g. Term 2 2022>**.

If you would like to verify the condition of the device during collection with your child/ward:

- You may arrange to collect the device **at the contractor's service / collection centre\*** or appoint an adult proxy to do so.
- Your child/ward would need to bring the device to school and arrange for the school's IT department to install the DMA.

Please approach the school for further advice or clarification if you would like to make this arrangement.

\* Parents/Guardians (or adult proxy) will **not** be able to collect the PLD from the school.

WHAT'S NEXT?

# Important Contacts / Helplines

To access / find out more about...	Contact / Helpline
This deck of slides	Available on the school websites under NDLP @ MSS
Edusave Balance	6260 0777
Financial assistance available	6894 1413

# Thank you





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