



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, including SPED school students aged 13yo and above 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

Students will learn digital skills such as gathering and evaluating information online, interacting with the online community, and creating digital products.



Support Self-Directed and Collaborative Learning

Students can access digital resources on their own to acquire knowledge about a topic of their interest beyond the curriculum. They can also share and build on one another's ideas and refine their own understanding.



Enhance Teaching and Learning

An environment where students learn with a PLD allows teachers and students to harness technology for greater effectiveness in teaching. For example, instructions, activities and feedback for each student could be more tailored and relevant to students' learning needs.

Learning with a PLD

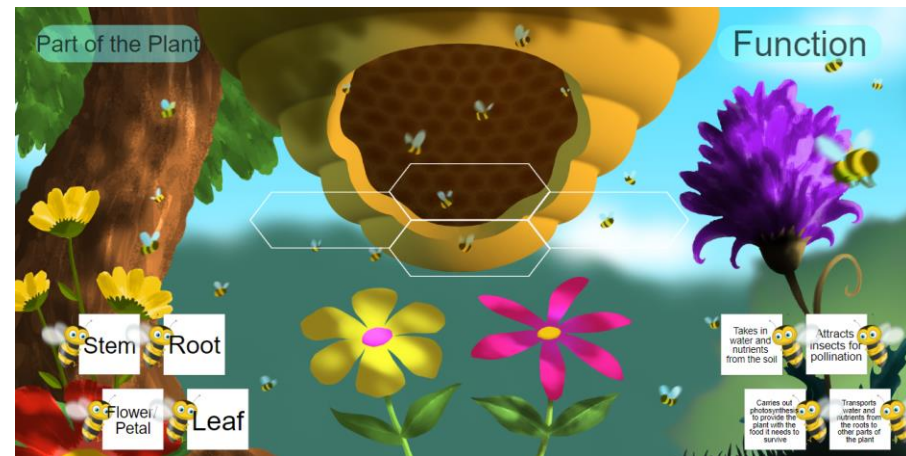
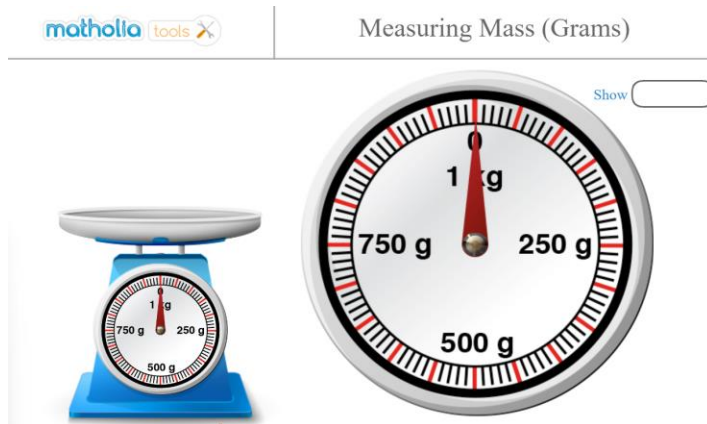
Grace Orchard School

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 Grace Orchard School, your child/ward will be using the PLDs for

1. Both in-class and out-of-class learning (Lumio, Google Classroom, Moodle, Raz Plus, Matholia, Kids A to Z)
2. Digital repository of learning resources
3. Home-based learning



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 support students in their use of technology for learning
- Device Management Application (DMA)

Classroom Management and Routines

- Classroom routine
- School mobile device policy
- Acceptable Use Policy (AUP) document



Cyber Wellness Education

The school also has strategies to enable school-wide implementation of Digital Literacy. The topics covered include:

	GOALS	TOPICS
A	Appreciate the benefits, risks and possibilities that technology can bring.	A1. Technologies for living, learning and working A2. Technology is a good servant but bad master A3. Technology makes things possible
B	Understand how online platforms and digital technologies work	B1. Online platforms and digital technologies B2. Online transactions B3. Singapore's digital government
C	Understand how to use information responsibly	C1. Digital sources of information C2. Responsible use of information from digital sources
D	Understand how to protect oneself on the internet	D1. Cyber identity and cyber use D2. Cyber citizenship D3. Cyber contacts and relationships
E	Understand how to use digital technologies safely and responsibly	E1. Cyber security E2. Scam Alert E3. I am responsible for my PLD

Parents'/Guardians' Role

- We would like to partner parents/guardians so that 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.
 - Encourage your child/ward to use productivity tools using his/her PLD, to organise information and simplify tasks for efficiency.

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 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 7am to 9pm 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
<p>In-school DMA settings will continue after school hours</p>	<p>Parents/Guardians can modify the DMA settings after school hours</p>	<p>Parents/Guardians can choose to disable DMA after school hours</p>
<p>For parents/guardians who want their child’s/ward’s use of the device to be restricted only to teaching and learning, and prefer to leave it to the school to decide on DMA settings after school hours.</p>	<p>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.</p>	<p>For parents/guardians who do not want their child’s/ward’s use of the device to be regulated by DMA after school.</p>

- 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 are <u>unable</u> to install additional applications	Parents/Guardians and/or students can install additional 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 not 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 on Learning with a Personal Learning Device (shared by the school)
- 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

Grace Orchard School's PLD

Model: Apple iPad 10.2" 9th Gen
Processor: A14 Bionic Processor
Memory (GB): 4GB
Storage (GB): 64GB
Enhanced Bundle Warranty: 3-Year warranty
Enhanced Bundle Insurance: 3-Year insurance

Upgrade Item(s): NA

Add-on/Accessories Item(s):

- Logitech Crayon Digital Pencil
- Logitech Ruggedized Combo 3



Image extracted from <https://www.logitech.com/>

The price of the device bundle (inclusive of GST) is: **S\$832.70 (inclusive of GST)**

Grace Orchard School's PLD



Apple iPad 10.2 Inch 9th Gen

The school chose the device because of:

- Functionality
- Portability
- Durability
- Affordances in Teaching and Learning

PLD Bundle

Device Bundle includes

- Apple iPad 10.2 Inch 9th Gen WiFi 64GB 3 Year Insurance
- Logitech Crayon Digital Pencil
- Logitech Ruggedized Combo 3

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

*The price of the PLD Bundle may appear to be higher than similar models on the retail market as the price of those devices usually does not include extended warranty and insurance coverage.

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>	<p>*2 repairs or 1 replacement (3-year insurance)</p>

Technical Support for Students' Devices

To access / find out more about....	Contact / Helpline
This deck of PDLP briefing slides	Grace Orchard School Website
Child/Ward's Edusave Balance	6260 0777 (MOE)
FAS and Financial-related matters	ICT_support@go.edu.sg
Application of subsidies	Inform class teacher
Administration-related matters	ICT_support@go.edu.sg
Technical-related matters	ICT_support@go.edu.sg
Vendor's service centres	PDLPapple@asiapac.com.sg

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) and \$300 in 2023 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.

Funding Support for Singapore Citizen (SC) Students

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

$\$3,000 < \text{Gross Household Income (GHI)} \leq \$4,400$, or

$\$750 < \text{Per Capita Income (PCI)} \leq \$1,100$

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 Support for Singapore Citizen (SC) Students

- SC students whose family's monthly Gross Household Income (GHI) > \$4,400 or monthly Per Capita Income (PCI) > \$1,100, no subsidy will be provided. Parents/Guardians can use their child's/ward's Edusave or cash to defray the device bundle cost.

Funding Support for Non-Singapore Citizen Students

- Permanent residents (PR) and international students (IS) who need support could apply for subsidies, particularly those whose Gross Household Income (GHI) is below \$4400 or Per Capita Income (PCI)[#] is below \$1100.
- For more details, please approach the school.

What's Next?

WHAT'S NEXT?

For Singapore Citizens (SC) Students

Time Frame	Activity
10 May 2024	Submit the forms for procurement to class teacher which includes the following annexes: <ul style="list-style-type: none">• Intent to purchase• Use of Edusave
Jul 2024	Collection of devices by students

For Permanent Residents / International Students

Time Frame	Activity
10 May 2024	Submit the form for procurement to class teacher which includes the following annex: <ul style="list-style-type: none">• Intent to purchase
13 May 2024	Parent/Guardian to make payment via Giro/PayNow/Cheque/etc.
Jul 2024	Collection of devices by students

Collection of Devices

Your child/ward will be collecting his/her device in school **from Term 3 onwards.**

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 vendor'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.



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