Personal Learning Device (PLD) Initiative

Briefing for Parents

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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

Our device provided was a laptop each.

Learning with a PLD in Manjusri Secondary School

How will your child/ward use the PLD?

At Manjusri Secondary School, your child/ward will be using the PLDs for…

1. active learning in school

2. Alternative Assessments (AA) and Performance Based Assessment (PBA)

3. Home-Based Learning (HBL), Blended Learning (BL)

4. other school activities and programmes

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)

Classroom Management and Routines

Why are classroom routines important?

Set expectations and create a safe environment for active learning to take place.

Prepare

- fully charged PLD with earphones
- check Google Classroom and calendar

Lock

- in locker during recess and PE

During lessons

- login using student ICON
- half screen when listening

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
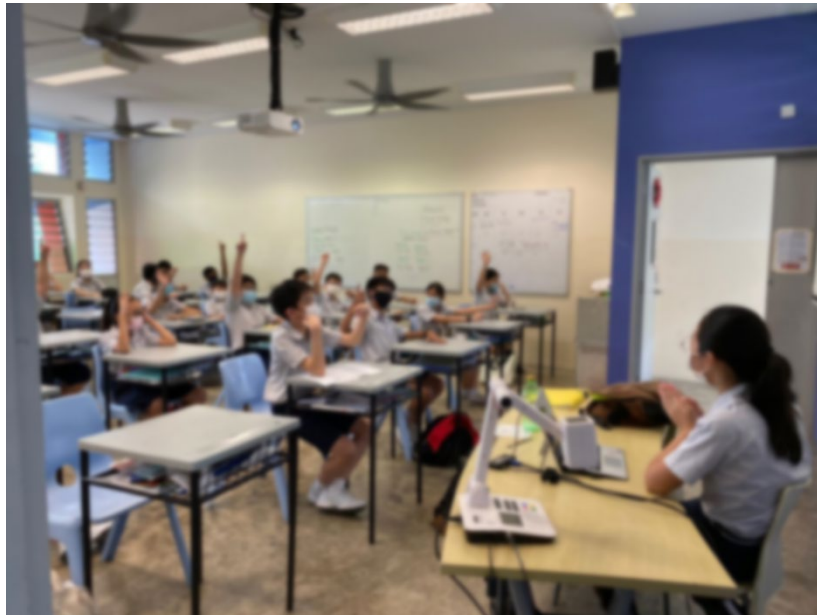- Cyber Ethics

Cyber Wellness Education

The school also has strategies to enable school-wide implementation of Cyber Wellness.

These include:

- Promoting a Peer Support Culture
- Peer Support Leaders as Cyber Wellness Ambassadors
- Collaboration between CCE and ICT Committees to promote Digital Literacy and Cyber Wellness
- Assembly Programmes & Cyber Wellness Forum

Cyber Wellness Education

In addition, through various programmes in school, students will continue to learn to be **respectful, safe, and responsible users of technology**.

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**.

Components of DMA

The Device Management Application (DMA) software consists of the following three components:

- **Mobile Device Management Service**

- **Classroom Management Service**

- **Usage Management Service**

DMA Components and their Functions

1. Mobile Device Management Service (MDM)[1]

This facilitates the **updating and management of the PLDs, protects PLDs from malicious software, and protects students from objectionable internet content, or content that may not be conducive to teaching and learning during school hours.**

- Facilitates automatic installation of apps required for teaching and learning
- Filters objectionable content or content that may not be conducive to teaching and learning (e.g. social media, pornography, gambling, or websites containing extremist content)
- Protects your child's/ward's PLD from security vulnerabilities through the automatic updating and patching of apps and device Operating System (OS)

[1] MDM is a **core service** that is required to deliver Classroom Management Service and Usage Management Service (which includes the Parental Control app).

DMA Components and their Functions

2. Classroom Management Service (CMS)

This enables teachers to **manage the students' use of the PLD** during lesson time to improve classroom management and support effective teaching and learning. Teachers will only monitor students' activities during lessons.

During lessons, teachers will be able to:
- Manage and control devices (e.g. using the "Eyes Up" function)
- Launch specific applications and/or websites for teaching and learning on students' devices
- Facilitate sharing of content
- Monitor students' usage and activities during lessons (e.g. screen sharing, monitoring students' browsing history)

DMA Components and their Functions

3. Usage Management Service (UMS)

This enables the school and/or parents/guardians to **better supervise and set helpful limits for students' use of PLDs after school**.

- Screen time control ensures that students do not use the PLDs excessively
- School and/or parents/guardian control installation of applications to ensure that the device is used optimally for teaching and learning
- Safe search and additional web content filtering protects students from harmful content
- Parents/Guardian can monitor usage and activities by students

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 6:00 a.m. to 11:00 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.

23

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 **unable** 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		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 No data* will be collected during use of PLD after 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 **<u>NOT</u>** 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

Manjusri Secondary School's PLD

The school will be using the

Acer Chromebook Spin 511 R752TN

for teaching and learning.

Total Cost with enhanced bundle and GST:

$490.06

Intel Celeron N4120, 8GB RAM

11.6" display, 64GB eMMC

1.25kg

Manjusri Secondary School's PLD

Acer Chromebook Spin 511 R752TN

The school chose the device because of:

- Teaching and learning affordances
- Touch screen
- Portability
- Cost
- Battery life
- Boot up time
- Device management

DEVICE FUNDING AND INFORMATION

PLD Bundle

Device Bundle includes
• Acer Chromebook Spin 511 R752TN • Accessories: power adapter, wired mouse, carrying case, stylus • Insurance and Warranty*: fire, lightning, power surges, accidental (e.g. water spillage, drop), theft due to forcible entry, robbery • *Accidental loss will not be covered by insurance.*

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

Locker and Lock

- Lockers are installed outside each classroom.
- Students are required to bring their own lock.

Technical Support for Students' PLD

Technical support will be provided to students through MJR Helpdesk in school and Acer Service Centre:

MJR Helpdesk

- Troubleshooting of device issues
- Solve connectivity issues
- Collection of devices to be sent for repairs

Opening hours: 7:30 – 9:00 a.m. and 2:30 – 4:00 p.m.

Venue: School Library, Level 4

Acer Service Centre: details will be shared upon PLD collection.

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) ≤ $2,750, or

    Per Capita Income (PCI) ≤ $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 Support for Singapore Citizen (SC) Students

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

    $2,750 < Gross Household Income (GHI) ≤ $4,000, or

    $690 < Per Capita Income (PCI) ≤ $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 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.

What's Next?

For Singapore Citizens (SC) Students

Time Frame	Activity
10 Jan 2022	Parent/guardian will receive the *Letter to Parents for Procurement* which includes the following annexes: • Intent to purchase • Use of Edusave **students will receive the hardcopy letter if not onboard of PG.*
14 Jan 2022	Parent/Guardian to give consent through **FormSG** link in the letter.
Mar-Apr 2022 (TBC)	Collection of devices by students

For Permanent Residents / International Students

Time Frame	Activity
10 Jan 2022	Parent/guardian will receive the *Letter to Parents for Procurement* which includes the following annexes: • Intent to purchase *students will receive the hardcopy letter if not onboard of PG.*
14 Jan 2022	Submit *Letter to Parents for Procurement* which includes the following annex to FTs: • Intent to purchase
Mar 2022	Parent/Guardian to make payment via Giro/PayNow/ Cheque.
Mar-Apr 2022 (TBC)	Collection of devices by students

Letter to Parents for Procurement

singpass

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

For Government and Government-aided Schools, use

https://go.gov.sg/pdlpadmin

* 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 **in Mar-Apr 2022 (TBC).**

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 **<u>not</u>** be able to collect the PLD from the school.

Important Contacts / Helplines

To access / find out more about…	Contact / Helpline
This deck of slides	Slides will be shared through Parents Gateway after the session.
Edusave balance	6260 0777
Financial assistance	School General Office: 6842 4558
School contact	Ms Ada Chen HOD ICT
	Mrs Wang-Lim Boon Lian Administration Manager

Thank you

Ministry of Education

SINGAPORE