

Personal Learning Device (PLD) Initiative



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

Juying Secondary School

How will your child/ward use the PLD?

- The devices will be used both in and out of class for learning purpose.
- In class, the devices will be used to support learning of the curriculum subjects independently or collaboratively.
- Beyond the classroom, student will be able to use the device for home-based learning.
- Student can also make use of digital tools such as calendaring and note-taking applications to enhance your personal productivity

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

Established class routine to instill self-responsibility in every student to prepare and set up the device before the next lesson.

Before Lesson	During Lesson	After Lesson
<p>1. I need to charge their PLD fully before going to school.</p> <p>a. The charging point in class is meant for laptop experiencing faulty battery.</p>	<p>1. I will retrieve my PLD before the lesson starts, and log in only when the teacher has given instructions.</p>	<p>1. I should take the following steps to safeguard my PLD and school materials.</p> <p>a. Always keep the PLD in sight.</p> <p>b. Protect the PLD from possible scenarios that may cause damage to PLD.</p>
<p>2. I need to protect my password.</p> <p>a. Remember the password and keep it safe.</p> <p>b. Unhide the password to check that it is typed correctly.</p>	<p>2. I have to manage wifi and online learning independently</p> <p>a. Check the wifi is turned on and log in to the school network. If there is a connectivity issue, restart the PLD.</p> <p>b. Learn actively and be self-directed</p> <p>c. Keep track of tasks assigned.</p> <p>d. Access online lessons and complete assignments promptly.</p>	<p>2. Once the lesson ends and if the PLD is not required for the next lesson, I will close all apps and websites accessed, log out and shut down my PLD completely.</p>
<p>3. When I faced with technical issues, I need to follow the following steps.</p> <p>a. Seek help from ICT Champion.</p> <p>b. Ask teachers if assistance is needed.</p> <p>c. Inform ICT Associate via email or go to Technical Support Office for support.</p>	<p>3. Screen down and listen to instructions first before using the PLD during the lesson.</p>	<p>3. Before leaving the classroom, I will keep my PLD in the metal lockable cabinet.</p>

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

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>)

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.

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)
- 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 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.</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 <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		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

*Parents/Guardians and students on Option B will need to use non-Chrome browsers to avoid web browsing history tracking and web content filtering. **[Only for Windows schools]**

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

Device Information

Juying Secondary School's PLD



ACER TMP214

Intel i5 processor, 8GB RAM, 512GB SSD Storage,
14" Screen Size

Juying Secondary School's PLD



ACER TMP214

The school chose the device because of:

- **Portability** - Sturdy matte black chassis weighing just 1.6kg and less than 20mm thin.
- **Durability** - Military Standard tested and impact-resistant chassis stands up to daily wear and tear, ensuring it can survive shocks, drops and rain. The battery life can last for 8 hours as per advised by vendor.
- **T&L Affordances** – The PLD is selected as it is the most compatible with our school T&L software and the specifications is able to support multimedia editing.

Personal Learning Device Bundle and Insurance

Bundle

- Acer TMP 214
- Power Adaptor, Mouse, Carrier Bag
- 3-year warranty and 3-year insurance

Insurance Coverage

- Fire, Lightning
- Power Surges
- Accidental e.g water spillage, drop etc
- Theft due to forcible entry
- Robbery

* Accidental loss will not be covered by insurance.

Claimable

2 repairs or 1 replacement
(3-year insurance)

Important Contacts / Helplines

To access / find out more about...	Contact / Helpline
This deck of slides	https://juyingsec.moe.edu.sg/programmes/personalised-digital-learning-programme-pdlp
Edusave balance	6260 0777
Financial assistance	6308 9898 or juying_ss@moe.edu.sg

Thank you

