



**Ang Mo Kio Secondary School**

**Personalised Digital Learning  
Programme (PDLP)  
Parent's Briefing  
9 January 2026(Fri)**

*Sundram Letchemee, HOD ICT*



# Overview of Presentation

- 1. Overview of the National Digital Literacy Programme (NDLP)**
- 2. Personal Learning Device (PLD) @ AMKSS**
- 3. Device Management Application (DMA)**
- 4. Device and Funding Information**
- 5. What's Next? (For Parents' Follow-Up)**



# **The National Digital Literacy Programme (NDLP) and the Personalised Digital Learning Programme (PDLP)**

An Overview



# The National Digital Literacy Programme (NDLP)

1. The NDLP was launched in March 2020 to help students **strengthen their digital literacy and acquire digital skills** needed to navigate an increasingly digitalised world.
  
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 PDLP



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**

# AMKsians & Personal Learning Device(PLD)

At Ang Mo Kio Secondary, students will be using the device across different subjects in various ways. These may be broadly categorised as

## *i. Self-directed learning*

(e.g. learning using SLS, flip classroom, making notes, digital drawing)

## *ii. Collaborative learning*

(eg. Use of Google document, Padlet, Nearpod etc. to learn from one another)

## *iii. Class/Group level activities*

(e.g. Use of Google Classroom to access learning tasks and to receive feedback from teachers)





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

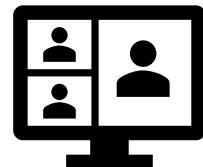
# Cyber Wellness Concerns Identified by Local Studies/Surveys



Harmful Online Content



Gaming and associated risks



Cyberbullying



Excessive social media use

\* Refer to [Slide 67](#) for the references of the research papers cited in this slide.

# *Supporting Students in the Safe and Effective 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.

- School rules on digital device use
- Classroom management and routines
- Cyber Wellness Education in CCE
- Partnering parents/guardians to support students in their use of technology for learning
- Device Management Application (DMA) to support a safer digital environment for learning



# Cyber Wellness Education in CCE



## Educating students on Cyber Wellness

Cyber Wellness lessons will feature significantly in the Character and Citizenship Education (CCE). The broad topics covered in Cyber Wellness are:

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

# Cyber Wellness Education in CCE



Throughout their Secondary School education, students will learn about:

- Balanced use and self control
- Cyber bullying and Upstanding
- How to be a positive influence online
- How to handle online falsehoods
- How to manage social media (peer influence, emotions, echo chambers)
- Online relationship and Online safety (grooming, self disclosure)
- To respect intellectual property rights



# Cyber Wellness Programme

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

- Assembly programme
- Sharing by Peer Support Leaders
- Talks by industry experts



# Parents'/Guardians' Role

- Parents/guardians play a crucial role in guiding your child/ward to use devices responsibly and safely. We would like to partner parents/guardians so 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.
  - Discuss and come up with ground rules for internet/device usage that both your child/ward and you can agree with.
  - Encourage your child/ward to use productivity tools on his/her PLD, to organise information and simplify tasks for efficiency.



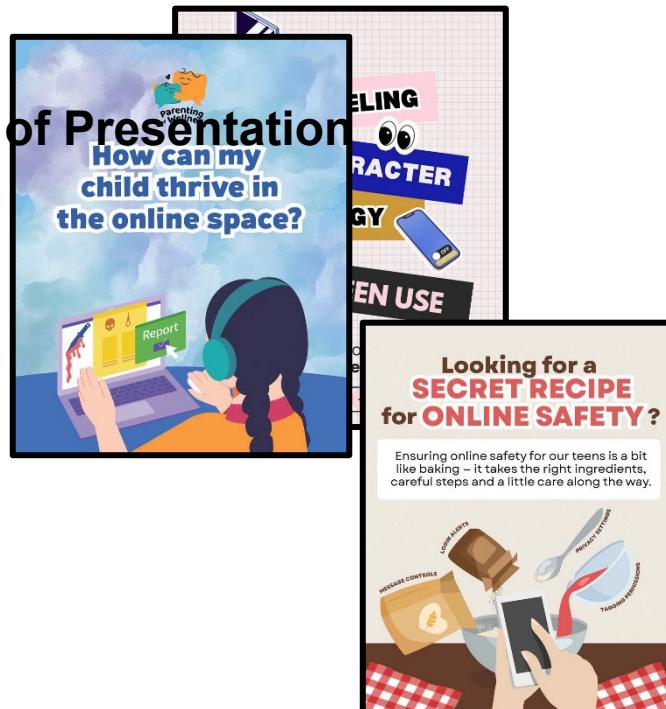
# Supporting Resources

Here are some resources that you can refer to:

## A. Parent Kit



## B. Bite-sized tips and advice via [Parentingwith.MOEsg Instagram page](#)



Overview of Presentation

## C. Resources from MOE and other agencies (*available on resources repository in Parents Gateway*)



# Supporting Resources

## D. Parenting for Wellness Toolbox for Parents and Parenting for Wellness Website on Parent Hub

The Parenting for Wellness initiative provides bite-sized resources (practical tips and strategies) on building strong parent-child relationships, supporting your child's mental well-being and parenting in the digital age.

## E. More resources are available via [the MOE Cyber Wellness Webpage](#)

**Practising Cyber Wellness**

Cyber Wellness education focuses on helping your child be a responsible digital learner. Learn more about the programme and curriculum.

**What is Cyber Wellness?**

Information on Cyber Wellness (Technology Enhanced Well-being) and its importance, as well as knowledge and skills required to practise Cyber Wellness.

**Support at home**

Parents play a key role in their children's growth. Students benefit the most when the home and school environments are aligned to each other. To help your child stay safe and have positive experiences online, you can:

- Activate parental controls on your home devices.
- Model good digital habits for your child.
- Set general rules for internet use.
- Navigate the internet together to understand their usage.

**Resources**

Learn more about how to keep your child safe online through these resources:

**From MOE**

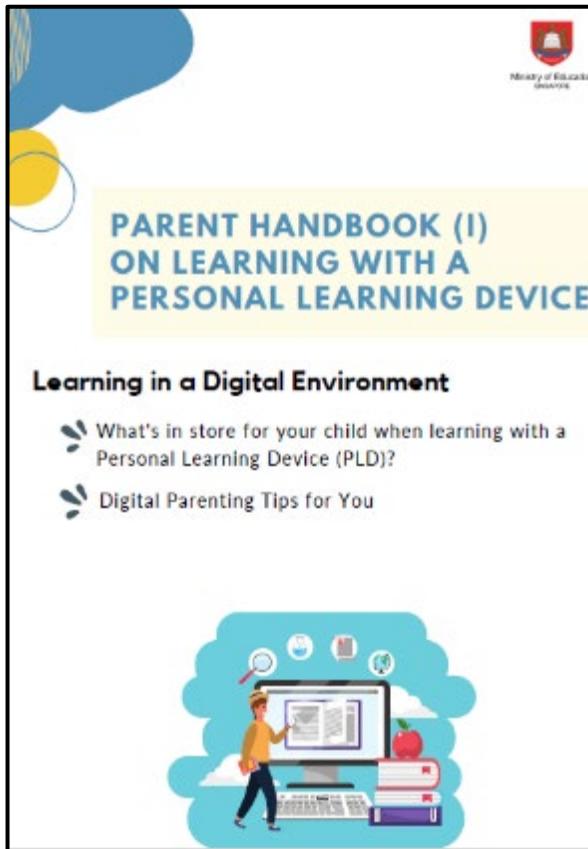
- [Children and their devices: How to strike the right balance](#)
- [Future better: Keeping kids grounded while tech turns the world upside down](#)
- [What does a student's AI-enhanced day look like? Here's a peek](#)
- [Are you struggling with your child's excessive device use?](#)
- [7 things every parent can do to keep kids cyber-safe: A tech dads special](#)
- [The future looks my! why this dad isn't afraid of the rise of AI](#)
- [Keeping kids safe online – A community effort](#)
- [Parent Kit – Raising A Digitally Smart Child](#)
- [Parent Kit - Experiencing Blended Learning with Our Children](#)
- [Recording of Instagram Live – Raising Digitally Smart Kids](#)



# Supporting Resources

## F. Parent Handbooks (I) and (II) on Learning with a Personal Learning Device

These Handbooks provide tips on supporting your child in the use of PLDs for learning and are shared via the PG notification together with the letter to purchase PLDs.



**What is the MOE National Digital Literacy Programme (NDLP) and how will learning with a PLD benefit my child?**

Through the NDLP, students will be better equipped to acquire digital skills needed to navigate an increasingly digitalised world. As part of the programme, all secondary school students will own PLDs by end 2021.

Each child will have their own device, and learning will be supported in the following areas:

- Enhance teaching and learning**  
Learning with a PLD supports greater personalisation and differentiation in learning.  
Each student's learning experience can be more tailored and personalised to his/her learning needs, interests, progress and skills.
- Support self-directed & collaborative learning**  
Learning with a PLD enables students to engage in self-directed learning, and to learn together with their peers, anytime and anywhere.  
Students can access digital resources on their own to acquire knowledge about topics of personal interest beyond the curriculum. They can also share and build on one another's ideas, and refine their own understanding.
- Support the development of digital literacies**  
Learning with a PLD provides an immersive environment for students to acquire digital skills.  
Students will learn digital skills such as gathering and evaluating information online, interacting with the online community, and creating digital products.



## **Role of the MOE Device Management Application (DMA) in Providing a Safer Digital Environment for Learning**



# MOE DMA Installation

- For **Windows**, **Blocksi**, is an app that will be installed on all students' PLDs to support their safe and responsible use of devices.
- The DMA will be funded by MOE.
- The installation of the MOE DMA applies to both devices purchased through the school and any student-owned devices that parents/guardians opt for the student to use instead of the school-prescribed PLD.
- The MOE DMA will be installed after the collection of the device. Students will be guided on the installation.
- The MOE DMA will be uninstalled from the device when students graduate or leave 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 objectionable content or content that may not be conducive to teaching and learning (e.g., online messaging, social media, pornography, gambling, or websites containing extremist content).<sup>1</sup>
- School hours are defined to be from 6:30 am to 6:30 pm and after school hours-from 6:30 pm to 10:30pm. The device will shut down at 10:30 pm by default.<sup>2</sup>
- The school will determine the applications and programs to be installed to support teaching and learning.

<sup>1</sup> YouTube is not blocked by default as teachers use YouTube for teaching and learning. However, YouTube videos that are categorised as harmful by YouTube Restricted and Lightspeed Smart Play are blocked

<sup>2</sup> Schools have the flexibility to customise the following:

- start of school hours, provided they are **no earlier than 6:30am**;
- end of school hours / start of after-school hours (**no restriction**);
- End of after-school hours / start of device sleep hours, provided it is **no later than 10:30pm**.



# After-School DMA Parent Options

1. After-School DMA Parent Options provide parents with the flexibility in managing their child's/ward's use of PLD after school hours.
2. The following tables outline the different levels of restrictions, controls, and monitoring for each DMA option after school hours.

Default	Option A	Option B
<p><b>Default Setting</b>  <b>(Note: This will apply if no alternative options are chosen)</b></p>	<p>DMA settings can be modified by Parents/Guardians after school hours</p>	<p>DMA will be inactive after school hours<sup>1</sup></p>
<p>For parents/guardians who want their child's/ward's use of the PLD 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 prefer to take charge of the level of restrictions for their child's/ward's use of the PLD after school hours regulated by the DMA.</p>	<p>For parents/guardians who do not want their child's/ward's use of the PLD after school hours to be regulated by the DMA at all.</p>

<sup>1</sup> No data will be collected after school hours when the DMA is inactive.

- 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, which is the existing practice.



# After-School DMA Parent Options

	<b>Default Setting</b> <b>(This will apply if no Alternative Options are chosen)</b>	<b>Alternative Setting:</b> <b>Option A</b> <b>(DMA settings can be modified)</b>	<b>Alternative Setting:</b> <b>Option B</b> <b>(DMA will be inactive only after school hours)</b>
<b>Protecting students from objectionable content</b>	<p>Web content filtering will include, and not limited to, the following categories:</p> <ul style="list-style-type: none"> <li>• Violent/extremist content</li> <li>• Sexual/pornographic content</li> <li>• Gambling-related content</li> <li>• Suicide/self-harm content</li> <li>• Cyberbullying content</li> <li>• Content endangering public health</li> </ul>	<p>Parents/Guardians can apply additional content filtering via. the Blocksi parents' portal.</p> <p>However, they cannot allow access to web content that is filtered out under the Default Setting.</p>	<p>No content filtering after school hours if student uses a non-Google Chrome browser.</p>



# After-School DMA Parent Options

Functions	<b>Default Setting</b> (This will apply if no Alternative Options are chosen)	<b>Alternative Setting:</b> <b>Option A</b> (DMA settings can be modified)	<b>Alternative Setting:</b> <b>Option B</b> (DMA will be inactive only after school hours)
<b>Reduce distractions from learning through control of applications</b>	Parents/Guardians and students will be unable to install additional applications.	Parents/Guardians and/or students will be able to install additional applications after school hours using specialised accounts.  Applications installed by parents/guardians and/or students after school hours will be disabled during school hours.	
<b>Limit screen time</b>	The school will set the hours during which the child/ward will be able to use the PLD.	Parents/Guardians can modify the amount of screen time for their child/ward by requesting the school set sleep hours (by selecting 1 prescribed option) on their child's/ward's PLD. <sup>2</sup>	No limitation on duration of screen time after school hours.  Sleep hours are not enforced. <sup>3</sup>

<sup>2</sup> During school hours, the screen time limits set by the school will override parents/guardians' settings.

<sup>3</sup> It is not recommended to install other parental controls (e.g., Windows's Family Safety) as this could result in conflicting settings between school and parent controls. It may result in unexpected issues where some controls such as screen time restrictions may not work as intended.



# After-School DMA Parent Options

<b>Functions</b>	<b>Default Setting</b> <i>(This will apply if no Alternative Options are chosen)</i>	<b>Alternative Setting:</b> <b>Option A</b> <i>(DMA settings can be modified)</i>	<b>Alternative Setting:</b> <b>Option B</b> <i>(DMA will be inactive only after school hours)</i>
<b>Monitor students' cyber activities</b>	Parents/Guardians will not be able to track their child's/ward's web browser.	A parent/guardian account will be provided to allow them to monitor their child's/ward's PLD activities after school hours via the Blocksi parents' portal.	Parents/Guardians will not be able to track their child's/ward's web browser*.
<b>Provision of Parent account</b>	X	✓	X

\*Parents/Guardians and students on Option B will need to use non-Chrome browsers to avoid web browsing history tracking and web content filtering.



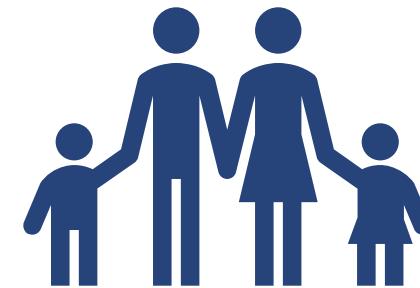
# Support for Parents/Guardians

Parents/guardians may wish to consider the following questions to decide the After-School DMA Parent Option that best suits your child/ward.



## A. 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?



## B. 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?



# Data Collected by the MOE DMA

1. The MOE 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
  
2. Parents may update their personal data (e.g. email addresses, names) by contacting the school, in accordance with the Personal Data and Protection Act (PDPA).



# Data Security

- All user data collected through the MOE DMA will be stored in secure servers managed by appointed DMA Vendors with stringent access controls and audit trials implemented.
- Data such as device information, email address of students and parents, device information will be deleted when the student graduates or leaves school. Website URLs accessed by students will be deleted at the end of each term.
- The MOE 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 reviews and assessments by independent reviewers.



# Data Security

- The MOE DMA solutions have sufficient security robustness to ensure data collected are properly stored and protected. MOE will also subject the DMA Vendors to regular security system audits based on tender requirements.
- 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.



# Device and Funding Information



# Ang Mo Kio Secondary School's PLD



Intel Processor N250,  
**12.2" WXUGU Multi Touch IPS**  
Window 11Pro Education,  
WLAN Wi-Fi 6E AX211 802.11  
a/b/g/n/ac/ax + **Bluetooth 5.3**  
**8GB RAM, 256GB Storage**  
**Includes 3 + 1 warranty**

The school will be using the

**Acer Travel Mate B3 Spin 12(T1/T2-WD)  
Windows B312R-31/B312RN-31**

for teaching and learning

Total cost of the bundle includes 3 + 1 year warranty and insurance with GST:

**\$713.90**

Can be paid using:

- **Edusave (for SC students)**
- **Subsidies for eligible students**

**Payment mode – School bill QR code , AXS stations**



# AMKSS' Personal Learning Device



*TravelMate B3 Spin 12*  
**B312R-31/B312RN-31**

The school's choice of the device is because of:

- a) **Convertible design**  
eg. may be used in 'normal' laptop mode or tablet mode; equipped with touch screen and inking features; supports a wide range of learning activities
  
- b) **Efficient, Durable Performance**  
eg. long battery life; shock absorbent, light weight



# Personal Learning Device Bundle

## Device Bundle includes

- ✓ **Travel Mate B3 Spin 12 B312RN-31**
- ✓ **Active Stylus Pen**
- ✓ **3+1 year warranty and 3+1year insurance\***
- ✓ **2 repairs or 1 replacement claim**
- ✓ **Device Management Application (DMA) software.**

*Parents are encouraged to consider the PLD bundle to ensure the school provides a one stop solution to manage, Maintain and make learning meaningful*

\*Students are expected to take the necessary precautions to look after the device.

\*In terms of storage solutions, the school has provided lockers, metal cabinets and cable locks for students to safe-keep their devices while in school.

\*Students may approach the school's ICT Room for technical support, if needed. The ICT Team will liaise with the vendor for any repairs.



# Technical Support for Students' Devices

Technical support will be provided to students through:

- Service Desk set up in school during breaks and after school on a weekly basis
  - Troubleshooting of device issues
  - Solve connectivity issues
  - Collection of devices to be sent for repairs
- Acer service centres
  - Repair of devices (hardware issues)



# 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 miscellaneous fees.
- To ensure the affordability of devices, MOE has provided Edusave top-ups from 2020 to 2023 to all eligible Singaporean students in primary and secondary schools. In 2025, MOE has provided a \$500 Edusave top-up for students aged 13-16 years old.
- These top-ups are 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)  $\leq \$4,000$ , or

Per Capita Income (PCI)  $\leq \$1,000$

MOE 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, MOE will provide additional subsidy so that the cash out-of-pocket (OOP) is \$0.



# Funding Scenario: Student A (SC)



**Acer Travel Mate B3 Spin 12(T1/T2-WD)  
Windows B312R-31/B312RN-31**

Total cost of the bundle includes 3 + 1 year warranty and year insurance with GST:

**\$713.90**

<b>Student A (SC on MOE FAS)</b> GHI ≤ \$4,000 or PCI ≤ \$1,000	
Device Bundle Cost	<b>\$713.90*</b>
Student Subsidy (50%)	<b>*\$350.00 (\$356.95)</b> <small>*MOE will subsidise 50% of device bundle cost or \$350, whichever is lower</small>
Available Edusave Balance <i>(After setting aside for misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Additional Subsidy	<b>\$163.90</b>
Cash Out-of-pocket	<b>\$0.00</b>

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



# Funding Support for Singapore Citizen (SC) Students

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

\$4,000 < Gross Household Income (GHI) ≤ \$5,500, or

\$1,000 < Per Capita Income (PCI) ≤ \$1,375

MOE 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, MOE will provide additional subsidy so that the cash out-of-pocket (OOP) is not more than \$50.

DEVICE AND FUNDING INFORMATION

# Funding Scenario: Student B (SC)



**Acer Travel Mate B3 Spin 12(T1/T2-WD) Windows B312R-31/B312RN-31**

Total cost of the bundle includes 3 + 1 year warranty and insurance with GST:

**\$713.90**

## Student B (Non MOE-FAS SC from lower income family)

\$4,000 < GHI ≤ \$5,500 or \$1,000 < PCI ≤ \$1,375

Device Bundle Cost	<b>\$713.90*</b>
Student Subsidy (30%)	<b>*\$200.00 (\$214.20)</b> <small>*MOE will subsidise 30% of device bundle cost or \$200, whichever is lower.</small>
Available Edusave Balance <i>(After setting aside for misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Additional Subsidy	<b>\$263.90</b>
Cash Out-of-pocket	<b>\$50.00</b>

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



# Funding Support for Singapore Citizen (SC) Students

- Subsidies will not be provided for SC students whose family's monthly:
  - Gross Household Income (GHI) is above \$5,500 or
  - Per Capita Income (PCI)<sup>#</sup> is above \$1,375.
- Parents/Guardians can use their child's/ward's Edusave or cash to defray the device bundle cost.

<sup>#</sup>PCI is Gross Household Income divided by the number of household members.



# Funding Scenario: Student C (SC)



**Acer Travel Mate B3 Spin 12(T1/T2-WD) Windows B312R-31/B312RN-31**

Total cost of the bundle includes 3 + 1 year warranty and year insurance with GST:

**\$713.90**

## **Student C (Not Eligible for Subsidy)**

GHI > \$5,500 or PCI > \$1,375

Device Bundle Cost	<b>\$713.90</b>
Available Edusave Balance <i>(After setting aside for misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Cash Out-of-pocket	<b>\$513.90</b>

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



# Funding Support for Non-Singapore Citizen Students

- Permanent residents (PR) and international students (IS) who need support can apply for subsidies, if they meet the following criteria:
  - Gross Household Income (GHI) is below \$5,500 or
  - Per Capita Income (PCI)<sup>#</sup> is below \$1,375.
- For more details, please approach the school General Office for assistance.

#PCI is Gross Household Income divided by the number of household members.

# What's Next



# Parental Consent for Procurement

1. Parents/Guardians can access the **Parental Consent for the Purchase of Personal Learning Device (PLD)** via a Parents Gateway (PG) notification\* that will be sent to you on 9 Jan 2026 (Fri).
2. Parents/Guardians who want to use Edusave funds for the PLD (for Singapore Citizens students only), please access: <https://go.gov.sg/edusaveformsgso> by 16 Jan 2026 (Fri) to set up a **PDLP Standing Order** as this was not applicable during primary school.

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



# For Singapore Citizens (SC) Students

Time Frame	Activity
9 Jan 2026 (Fri)	Briefing for parents
By 16 Jan 2026 (Fri)	<p>1. Submit:</p> <ul style="list-style-type: none"> <li>a. consent to PLD purchase via the PG notification which includes the following:           <ul style="list-style-type: none"> <li>• Intent to Purchase Personal Learning Device (PLD);</li> <li>• Authorisation Form for the Collection of PLD</li> </ul> </li> <li>b. the Standing Order (SO) for the use of Edusave Account via <a href="https://go.gov.sg/edusaveformsgso">https://go.gov.sg/edusaveformsgso</a> (for Singapore Citizen students only) to set up a PDLP SO</li> </ul> <p>Parents without access to PG can submit their consent via hardcopy.</p>
Early Apr 2026	Collection of devices by students



# For Permanent Residents / International Students

Time Frame	Activity
9 Jan 2026 (Fri)	Briefing for parents
16 Jan 2026 (Fri)	<ol style="list-style-type: none"><li>1. Submit consent to PLD purchase which includes the following:<ul style="list-style-type: none"><li>• Intent to Purchase Personal Learning Device (PLD);</li><li>• Authorisation Form for the Collection of PLD</li></ul><p><i>Parents who have no SingPass or require a hardcopy letter may approach the school through the student's Form Teacher for assistance.</i></p></li></ol>
19 Jan 2026 (Mon)	Parent/Guardian to make school bill QR code, AXS stations
Early Apr 2026	Collection of devices by students



# Important Contacts / Helplines

To access / find out more about...	Contact / Helpline
Edusave balance	6260 0777
Financial assistance	6454 8605 (General Office)

For any further clarifications, please contact:

Mr Sundram Letchemee at [sundram\\_letchemee@schools.gov.sg](mailto:sundram_letchemee@schools.gov.sg)

# Thank you



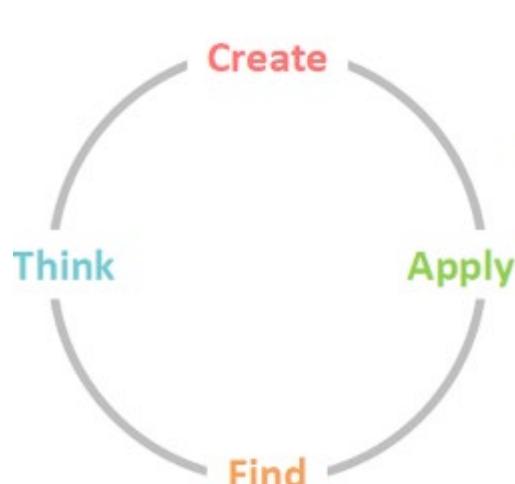


**Ministry of Education  
SINGAPORE**

# Drawer Slides

# The National Digital Literacy Programme (NDLP)

The ‘Find, Think, Apply and Create’ framework:



<b>Find</b>	Critically gather and evaluate information from, and use digital resources in a safe, secure, responsible and ethical manner
<b>Think</b>	Interpret and analyse data, and solve problems
<b>Apply</b>	Use software and devices to facilitate the use of knowledge and skills in new contexts; keep up with technological developments
<b>Create</b>	Produce content and artefacts, and engage and collaborate with others digitally

# Components of MOE DMA

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

- **Mobile Device Management Service (MDM)**
- **Classroom Management Service (CMS)**
- **Usage Management Service (UMS)**

# MOE DMA Components and their Functions

## 1. Mobile Device Management Service (MDM)<sup>1</sup>

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

The MDM carries out the following functions:

- Facilitates automatic installation of applications 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)<sup>2</sup>
- Enables automatic updating of PLD OS and its applications in accordance with cybersecurity best practices.

<sup>1</sup> MDM is a core service that is required to deliver Classroom Management Service and Usage Management Service (which includes the Parental Control app).

<sup>2</sup> Youtube is not blocked by default as teachers use Youtube for teaching and learning.

# MOE DMA Components and their Functions

## 2. Classroom Management Service (CMS)

Enables teachers to **manage the student's use of the PLD** during lesson time to improve classroom management and support effective teaching and learning.

During lessons, teachers will be able to:

- Guide and monitor students' use of devices (e.g., Lock or unlock screen to redirect students' attention or screen sharing)
- Launch specific applications and/or websites for teaching and learning on your child's/ward's device
- Facilitate the sharing of content
- Monitor your child's/ward's usage and activities during lessons (e.g. screen sharing, monitoring your child's/ward's browsing history)

# MOE DMA Components and their Functions

## 3. Usage Management Service (UMS)\*

Enables the school and/or parents/guardians\* to **better supervise and set helpful limits for your child's/ward's use of PLD after school.**

The UMS carries out the following functions:

- Screen time control to allow school and/or parents/guardians to set usage limits so that your child/ward does not use the PLD excessively
- School and/or parents/guardians have control over the installation of applications to ensure that the device is used optimally for teaching and learning
- Safe search and additional web content filtering protects your child/ward from harmful content
- Parents/Guardians can monitor usage and activities by child/ward

\* Only available for parents/guardian on Option A.

# Types and Purpose of Data Collected by the MOE DMA



Data for DMA Administrative Purposes



Data for Application Management



Data for Web Content Filtering



Data for Sharing Students' Screen



# Data for DMA Administrative Purposes

**Essential for DMA and lesson set up and management of devices through DMA**

## Examples:

- Students' and parents'/guardian's information (name, school name, email addresses, and class)
- Apps installed in your child's /ward's PLD
- Device and hardware information (e.g. device model, storage space)

## Accessible by:

- Teachers
- Parents/Guardians (for activities after school hours)
- DMA Administrators in school and at MOE
- DMA Vendors



# Data for Web Content Filtering

Filtering of harmful content to ensure students' cyber safety

## Examples:

- URLs accessed on the PLDs (*Actions performed on websites are **NOT** captured*)
- Date and time of the access
- Student profile (Name, School name)

## Accessible by:

- Teachers (for activities during lessons)<sup>1</sup>
- Parents/Guardians (for activities after school hours)
- DMA Administrators in school and at MOE
- DMA Vendors

<sup>1</sup>The teacher will only be able to access the logs pertaining to the student's browser history for the class that the teacher teaches and will be able to access the logs outside of lessons. The teacher will not have access to the student's browser history outside of those specific lessons.



# Data for Application Management

To ensure that the installed apps are updated and functioning properly

## Examples:

- Installed apps and programs
- Date and time that the apps and programs were last updated
- Application error data<sup>1</sup>

## Accessible by:

- Teachers (for activities during lessons)
- Parents/Guardians
- DMA Administrators in school and at MOE
- DMA Vendors

<sup>1</sup>Teachers will not have access to the application error data.



# Data for Sharing Students' Screen

To allow teachers to check that students are on task, and address questions in class

**Examples:**

- Only the streaming of 'live' screen view (*The screen view will NOT be stored*)

**Accessible by:**

- Teachers during lessons only.

# References

Information on Slide 10 are obtained from:

- SHE and Global Shapers Singapore Hub Survey, 2023- <https://www.digitalforlife.gov.sg/-/media/Digital-For-Life/Resources/Documents/2023/12/20230410-SHE-Infographics-on-Online-Myths.pdf>
- Microsoft Online Safety Survey, 2024 - <https://news.microsoft.com/wp-content/uploads/prod/sites/40/2024/02/Microsoft-Global-Online-Safety-Survey-2024.pdf>
- Ministry of Digital Development and Information survey, 2024 - <https://www.mddi.gov.sg/media-centre/press-releases/survey-on-childs-online-gaming-activities/>
- Institute of Mental Health, 2024 - [https://www.imh.com.sg/Newsroom/News-Releases/Documents/NYMHS\\_Press%20Release\\_FINAL19Sep2024.pdf](https://www.imh.com.sg/Newsroom/News-Releases/Documents/NYMHS_Press%20Release_FINAL19Sep2024.pdf)