



The National
Digital Literacy
Programme
(NDLP) and the
Personal
Learning Device
(PLD) Initiative



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 a Personalised Learning Environment

The use of the PLD for teaching & learning aims to:



Support the Development of Digital Literacies

Provides an immersive environment for students to acquire digital skills.



Support self-directed and collaborative learning

Engage in self-directed learning, & to learn together with their peers, anytime & anywhere.



Enhance Teaching and Learning

Supports greater personalisation and differentiation in learning

Our Choice of PLD



- Model: Lenovo 300w Yoga Gen 4
- Processor: Intel N200 Processor
- Memory (GB): 8GB
- Storage (GB): 256GB SSD
- 300w Stylus Pen
- Enhanced Bundle Warranty: 3 Years Carry In Warranty
- Enhanced Bundle Insurance: 3 Years Insurance

The price of the device bundle (inclusive of GST) is: **S\$741.20**




Learning with a PLD




How will your child/ward use the PLD?

At **Temasek Junior College**, your child/ward will be using the PLDs for

- Use of PLD for active learning in all subjects
- Collaborative learning among peers
- Alternative assessments/authentic learning tasks that require research, digital creation, and collaborative learning
- Data processing, computational thinking
- Interdisciplinary project-based learning



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)


Parents'/Guardians' Role

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 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 (DMA)

- The Windows Device Management Application (DMA) solution, Intune for Education and Blocks, **will be installed** on all students' devices to provide a safe learning experience for students. The DMA will be funded by MOE.
- DMA will be installed after the collection of the device. Students will be guided on the installation.

Device Management Application (DMA)

- The installation of DMA applies to both devices purchased through the school and any student-owned devices that parents/guardians opt for the student to use in lieu of the school-prescribed PLD.
- The DMA will be uninstalled from the device when students graduate or leave the school.

Device Management Application (DMA)

The DMA has 3 main components which will support the use of the PLD in the classroom and safeguard students' cyber wellness:

- **Classroom Management Service.** To help teachers manage students' use of the PLD during lesson time to improve classroom management and support effective teaching and learning.
- **Mobile Device Management Service.** To help update and manage the PLD, protect the PLD from malicious software, and protects students from objectionable internet content.
- **Usage Management Service.** To enable school and/or parents/guardians to better supervise and set helpful limits for students' use of PLD after 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 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 **7:00AM to 11:00PM** daily
- The school will determine the apps and programs to be installed to support teaching and learning

Device Management Application (DMA)

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 hours.</p>

- Parents/guardians can request to change their choice of DMA settings end of each term
- 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.

After-School DMA Parent Options

	Default Setting	Option A (DMA settings can be modified from the Default settings in place)	Option B (DMA will be inactive only after school hours)
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 unable 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.

After-School DMA Parent Options

	Default Setting (This will apply if no Alternative Setting is chosen)	Option A (DMA settings can be modified from the Default settings in place)	Option B (DMA will be inactive only after school hours)
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.



Data Security

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 by the DMA

Parents may request corrections to 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 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.

Data Security

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.

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.



Parent Resources

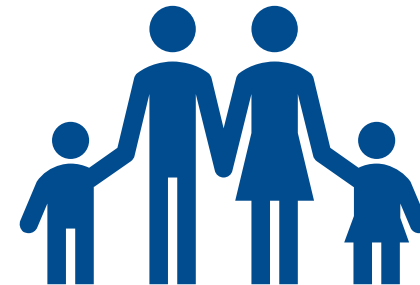
Support for Parents/Guardians

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?

Supporting Resources

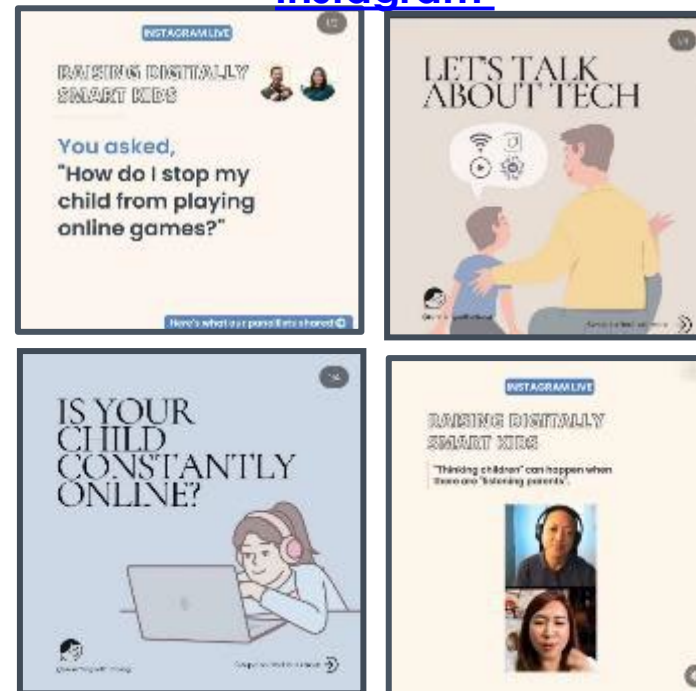
Parents/guardians play a crucial role in guiding your child/ward to use devices responsibly and safely. Here are some resources that you can refer to:

Supporting Resources

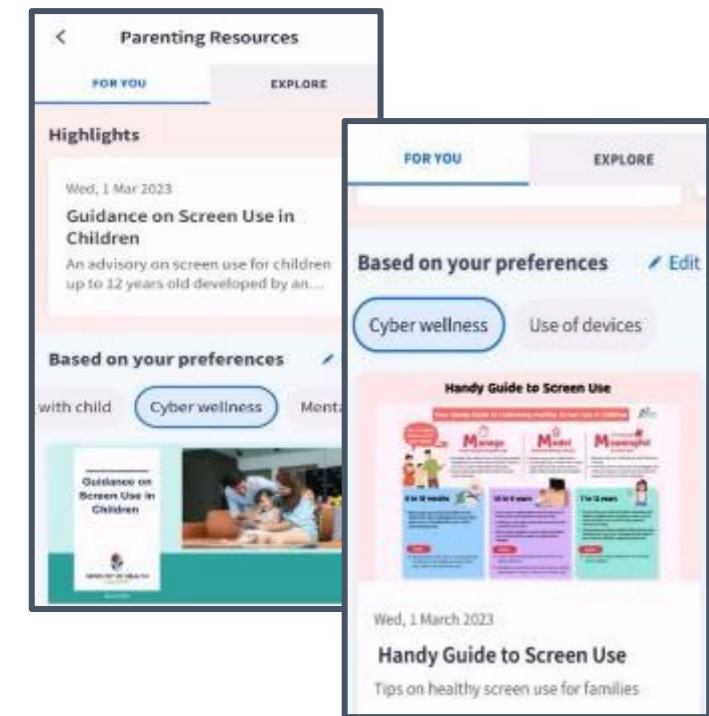
A. Parent Kit



B. Bite-size tips and advice via Parentingwith.MOEsg Instagram



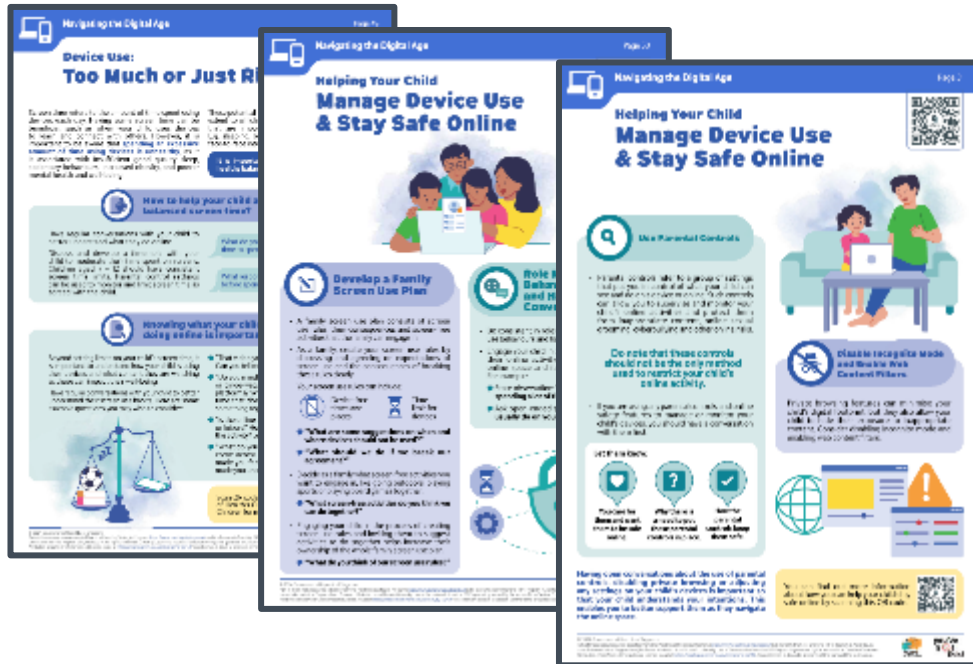
C. Resources from MOE and other agencies (available on resources repository in Parents Gateway)



Supporting Resources

D. Parenting for Wellness Toolbox for Parents

The following extracted quick tips and strategies have been shared to you via Parents Gateway. Click on the pink header to download the full suite of resources of the Toolbox.



E. More resources are available via MOE Cyber Wellness Webpage



Support at home

Parents play a key role in their children's growth. Students benefit the most when the home and school environments are suited 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 ground 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:

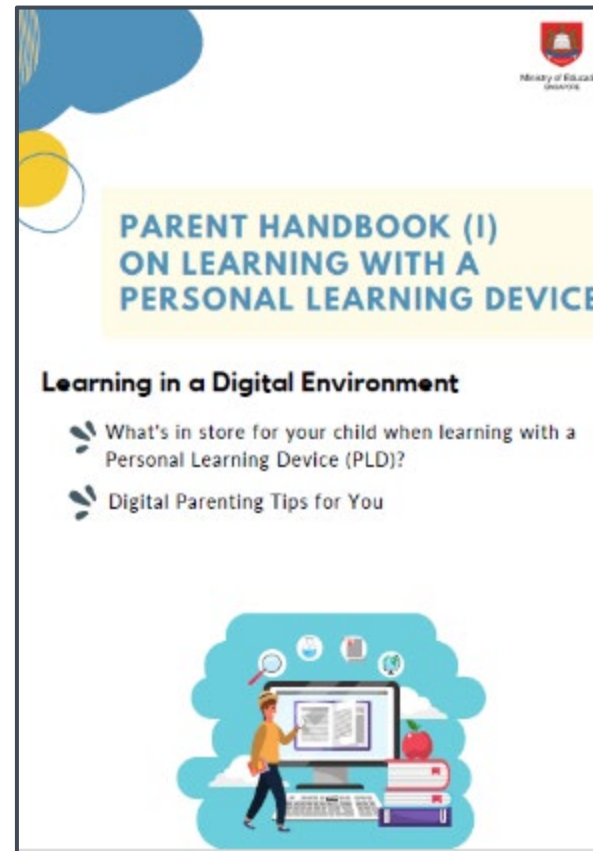
From MOE

- [Children and their devices: How to strike the right balance](#)
- [Future tense: 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 dad's special](#)
- [The future looks may: 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 – Empowering 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.



Device and Funding Information

Our Choice of PLD



- Model: Lenovo 300w Yoga Gen 4
- Processor: Intel N200 Processor
- Memory (GB): 8GB
- Storage (GB): 256GB SSD
- 300w Stylus Pen
- Enhanced Bundle Warranty:
3 Years Carry In Warranty
- Enhanced Bundle Insurance:
3 Years Insurance

The price of the device bundle
(inclusive of GST) is: **S\$741.20**

Insurance Coverage

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

Technical Support for Students' Devices

Technical support will be provided to students through:

- ▶ **Service Desk set up in school on a weekly basis Monday to Friday 2.00 pm to 4.00 pm.**

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

- ▶ **Servlink Technologies – Lenovo Authorised Service Centre**

Address: 2 Kallang Avenue #09-01, CTHub 1, Singapore 339407

Tel: +65 6817 1435

Service Centre Email: Svcctr@servlink.com.sg

- ▶ 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 additional Edusave top-ups of \$200 in 2020 to 2022, and \$300 in 2023, to all eligible Singaporean 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

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 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

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

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.

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

- ▶ For Permanent residents (PR) and international students (IS) who need financial support, please approach the General Office.



What's Next

Parental Consent for Procurement

1. Parents 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 by 31 December 2024
2. Parents who want to use Edusave funds for the PLD (for Singapore Citizens students only), please submit the online Standing Order Form via this link: <https://go.gov.sg/edusaveformsgso> by 17 January 2025 if you have not done so previously.*
3. Parents can call 6260 0777 to check on their child's Edusave balance.

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