



Personal Learning Device (PLD) Briefing for Parents

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.
1. 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

The use of the personal learning device for teaching and learning aims to:



Support the Development of Digital Literacies



Support self-directed and collaborative learning



Enhance Teaching and Learning



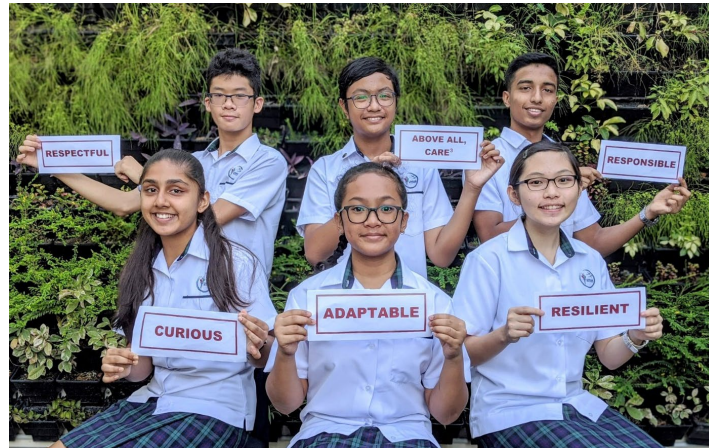
Learning with a Personal Learning Device

Yuhua Secondary School

Yuhua Secondary School's Vision For Personalised Digital Learning

In alignment with our school's Vision, Mission and Values:

***A Community of Future Ready Learners Who
Care, Connect and Contribute***



PDLP Student Outcomes in Yuhua Secondary School

In alignment with our school's Vision, Mission and Values:

YHSS Student Outcomes	Skills, Competencies & Dispositions	Technology Affordances
Self-Directed Yuhuans Who Care	Curiosity, Inquisitiveness, Critical Thinking, Responsibility and Character	Research Tools
Concerned Yuhuans Who Connect	Knowledge Construction, Communication, Civic Literacy, Collaborative Skills and Teamwork	Collaborative Tools
Confident Yuhuans Who Actively Contribute	Innovation, Creativity, Design Thinking, Service and Leadership	Creative and Innovative tools

How will your child use the Personal Learning Device?

At Yuhua Secondary School, your child will be using the PLDs for

1. Active learning in both academic and non-academic subjects
2. Authentic learning tasks that require research, digital creation, and collaborative learning
3. Basic ICT courses for digital literacy
4. Interdisciplinary and collaborative project-based learning

Device and Funding Information

Yuhua Secondary School's Personal Learning Device



The school will be using the **Apple iPad 9th gen 64GB Wifi with Apple Pencil and Logitech Rugged Combo 3 (Keyboard Case)** for teaching and learning.

Total cost with GST: \$865.40 (incl. 9% GST) - *this includes 3-year warranty and insurance*

10.2 inch Retina Display
A13 Bionic Chip
8MP back camera, 12MP front camera
Up to 10 hours of battery life

Yuhua Secondary School's Personal Learning Device

Yuhua PLD Final Selection - Apple iPad

PEOPLE

- STRONG PROFESSIONAL DEVELOPMENT SUPPORT FROM APPLE TO MANAGEMENT, TEACHERS, AND ALL STUDENTS
- DEVICE THAT EXCITES AND PROVIDES MANY LEARNING POSSIBILITIES TO TEACHING STAFF AND STUDENTS
- DEVICE THAT IS DURABLE AND CAN CONTINUE TO BE USED BY STUDENTS IN POST-SECONDARY EDUCATION PATHWAYS

PRODUCT

- REPUTABLE BRAND, WITH TRACK RECORD OF DURABILITY AND STRONG SERVICE SUPPORT
- VERSATILE TO BE USED AS FLEXIBLE LEARNING TOOL: TABLET / NOTEBOOK WITH KEYBOARD COVER PROVIDED IN PACKAGE

PRICE VS VALUE

- 7 SERVICE CENTRES ISLAND-WIDE, WITH PROMPT APPLE CARE SUPPORT.
- EDUSAVE AND SUBSIDIES WILL COVER THE BULK OF THE COST FOR ALL STUDENTS

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>

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) 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
- MOE will subsidise 50% of device bundle cost or \$350, whichever is lower. The remaining amount will be payable from the students' Edusave account. For students on MOE-FAS, subsidies are available even if there is insufficient Edusave balance. The cash out-of-pocket will be \$0.
- Subsidies will also be provided for SC students who need support, particularly those whose Gross Household Income (GHI) is below \$4,400 or Per Capita Income (PCI)[#] is below \$1,100.
- For more details on financial assistance, please approach the school.

[#]PCI is GHI divided by the number of household members.

Supporting Students in the Safe and Effective Use of the Devices

Cyber Wellness Concerns Identified by International Studies*

Harmful online content

50% of Singaporean teenagers are exposed to cyber threats & 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 safe and conducive learning environment for students in the use of PLDs for teaching and learning, e.g.

- Classroom management and routines
- Educating students on Cyber Wellness
- Device Management Application (DMA)

Classroom Management and Routines

Setting clear expectations and routines for students is critical for effective classroom management, instruction, and for our learners to flourish.

As a school, we will be inculcating in our students two types of routines:

Types of Routines	Routine Details
General Routines	Access, security and classroom routines
Learning Routines	Learning routines based on sound pedagogical process to make learning with a device more structured



Cyber Wellness Education

Educating students on Cyber Wellness

MOE has made significant changes to 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



Sense – Think – Act Process

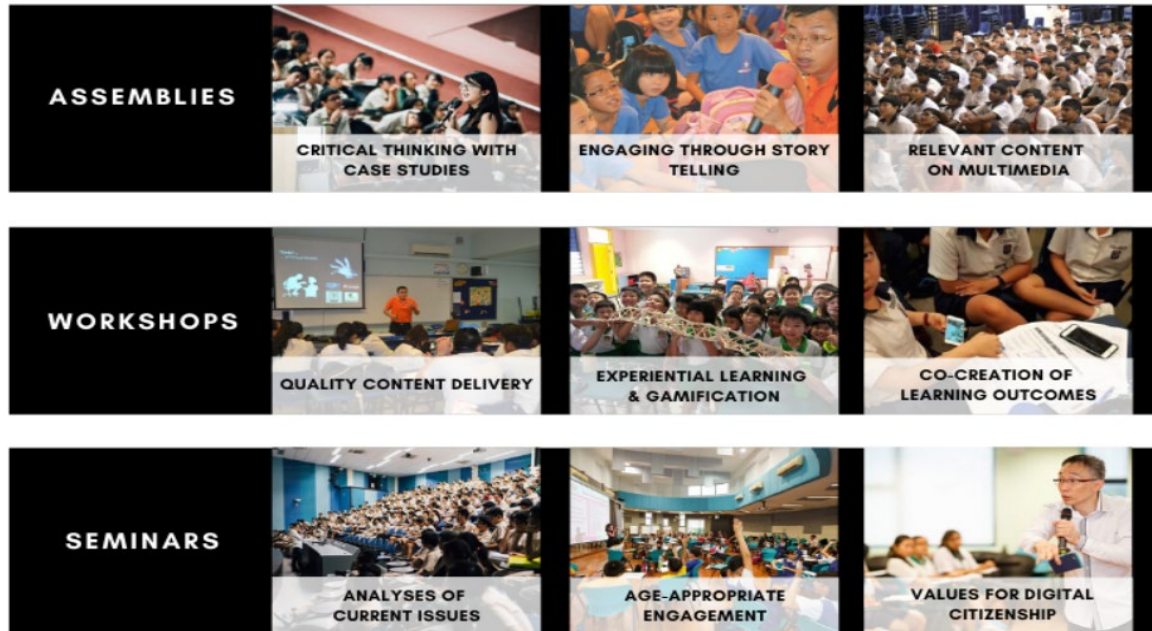
Sense: Identify the possible risks of harmful behaviours online and learn how to protect oneself

Think: Analyse, evaluate and reflect on the online situation based on the three CW principles

Act: Translate understanding into actions so as to be safe and have a positive presence online

Cyber Wellness Education

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



Device Management Application

- The Device Management Application (DMA) software will be installed* on all students' devices to provide a safe learning experience for your child, and to prevent misuse of the device.
 - 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 graduates/leaves the school.**

Role of DMA In Supporting Student Learning

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 Service 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.**

- Facilitates automatic installation of apps required for teaching and learning
- Filters objectionable content (e.g. social media, pornography, gambling, extremist and violence)
- Protects the students' PLDs from security vulnerabilities through 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 Service 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 usage and activities (e.g. screen sharing, monitoring students' browsing history during lessons)

DMA Service Components and their Functions

3. Usage Management Service (UMS)

This enables the school and/or parents 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** that are designed to help students focus on learning in a safe and conducive online environment. 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 social media sites, pornography, gambling, extremist and violence-related sites
- PLD usage time will be set to 7 a.m. to 5 p.m.
- The school will determine the apps and programmes to be installed to support teaching and learning
- A parent/guardian account* will be enabled to allow you to monitor your child's/ward's PLD activities and partner the school to ensure the student's cyber well-being.

**Parent/Guardian will receive an activation email when the Parent Portal is available.*

Providing
parents with

**greater
choice**

for after-school
PLD use

*The school will provide
parents with more
information on exercising
the options.*

Default

**In-school DMA settings will
continue 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. It will follow the same DMA settings set by the school during school hours.

Option A

**Parents can determine 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.

Option B

**Parents can choose to
disable DMA after school
hours**

For parents/guardian 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 who prefer not to, or do not feel ready to manage their child's device use on their own.**
- **Parents can request to change their choice of DMA settings at any time.**

Deciding on the choice of after-school DMA option

Parents 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 current device usage habits

- How much time does my child spend on their device?
- How well is my child able to regulate their device usage on their own?
- Does my child get easily distracted while doing online learning?

2. Parental involvement

- How confident and familiar am I with managing my child'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 might face?



Have a conversation with your child to talk about which setting is best for your child's learning.

Data Collected and Access Rights

The DMA does **NOT** collect any of these data:

- Login IDs and passwords
- Activities and data (e.g. posts, online comments, shopping cart, etc.) when visiting websites and use apps
- Documents and photos stored in the PLDs
- PLD location
- Webcam videos and microphone recordings

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 these accounts.

Storage of students' data collected by DMA

- 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 subjected to regular security review and assessment.
- 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.

Parents' Role

- We would like to partner parents to ensure that students are well supported in their use of technology for learning
- As parents, you can help in the following ways:
 - Model good digital habits for your child.
 - Know your child well, and have conversations with your child about safe and responsible use of technology.
 - Set ground rules for internet use.
 - Navigate the internet together to understand their usage.

Additional Resources for Parents



For more tips, check out MOE's Parent Kit on cyber wellness by scanning the QR code

What's Next

Letter to Parents for Procurement



Parents with SingPass can access the Letter to Parents for Procurement to indicate your consent via the following link by **16 Jan 2024 (Tues)**.

<https://go.gov.sg/pdlpadmin> *

Parents who have filled in the form, but who did not indicate your child / ward's class, are requested to fill in the form again and to write down the class.

* Parents without Singpass can request for the hardcopy letter via your child's form teacher.

What's Next

For Singapore Citizen students with Edusave

Time Frame	Activity
By 16 Jan 2024 (Tue)	Submit Letter to Parents for Procurement which includes the following annexes: <ul style="list-style-type: none">• Intent to purchase• Use of Edusave• Collection of PLD Via FormSG
February (tentative)	Collection of Devices by students

What's Next

For Permanent Residents (PR) / International Students (IS) without Edusave

Time Frame	Activity
By 16 Jan 2024 (Tues)	Submit Letter to Parents for procurement which includes the following annexes: <ul style="list-style-type: none">• Intent to purchase• Collection of PLD Via FormSG
End of T1W4 (tentative)	Parent/Guardian to make payment via Giro / Cheque etc
End-February (tentative)	Collection of Devices by students

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
 - Trouble-shooting of device issues
 - Solve connectivity issues
 - Collection of devices to be sent for repairs
- Apple service centres
 - Repair of devices (hardware issues)

Important Contacts/ Helplines



To access/find out more about...	Contact/Helpline
Edusave Balance	6260 0777
Financial assistance available	6566 1985 (General Office)
Personal Learning Device	6566 1985 Mr Soh Ming Quan (HOD/ICT)

THANK YOU