

The Personal Learning Device (PLD) Initiative

Briefing for Parents

(15 Jan 2025)

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 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 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

THE NATIONAL DIGITAL LITERACY PROGRAMME AND PLD INITIATIVE

Students' Experiences

<http://www.youtube.com/watch?v=atVkNBXMVnY>





MARSILING SECONDARY SCHOOL

Learning Using iPads

- 1) **Learn actively in all subjects: Participating** in Alternative assessments / Authentic learning tasks / Learning Experiences that require research, digital creation, and collaborative learning.
- 2) **Learn beyond the classroom: Home-based learning,** Review past lessons, access digital resources on the **Singapore Student Learning Space (SLS)** platform and other digital platforms to enhance their learning,



MARSILING SECONDARY SCHOOL

Learning Using iPads



**Learning the Basic of iPads
(Digital Literacies)**



**Exploration and Discussion
(Self Directed and Collaborative Learning)**



**Creating Digital Artefacts
(Creation)**



MARSILING SECONDARY SCHOOL iPad Lockers in Every Classroom

All students are allocated a personal iPad locker to safekeep their devices during Recess, Lunch and CCAs.



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**

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.

- 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

School Rules on Digital Device Use

All Marsilians will need to adhere to the Marsiling Secondary School ICT Acceptable Use Policy (AUP).

The AUP is printed in the student handbook and can also be accessed online via :

<https://go.gov.sg/mss-ict-aup>

Classroom Management and Routines

Video Link:

[MSS PLD Routine](#)

<https://www.youtube.com/watch?v=wdfJNXpGrCk>

Cyber Wellness Education in CCE

Educating students on Cyber Wellness

MOE has made significant changes to the Character and Citizenship Education (CCE) curriculum. Cyber Wellness lessons will feature significantly in these lessons.

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 Programmes

In addition to these lessons, 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 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 using his/her PLD, to organise information and simplify tasks for efficiency.

Role of the DMA in Providing a Safer Digital Environment for Learning

DMA Installation

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

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. pornography, gambling, or websites containing extremist content).
- School hours is defined to be from 6.30 a.m. to 6 p.m. and after school hours would be from 6 p.m. – 11 p.m. The device will shut down at 11 p.m. by default.
- The school will determine the applications and programs to be installed to support teaching and learning.

After-School DMA Parent Options

1. After-School DMA Parent Options provide parents with the flexibility in managing your 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 After-School DMA Parent Option.

Default	Option A	Option B
<p>In-school DMA settings will continue after school hours</p>	<p>DMA settings can be modified by Parents/Guardians after school hours</p>	<p>DMA will be inactive* after school hours</p>
<p>For parents/guardians who want their child’s/ward’s use of the device 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 device after school hours regulated by the DMA.</p>	<p>For parents/guardians who do not want their child’s/ward’s use of the device after school hours to be regulated by the DMA at all.</p>

*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

	Default Setting (This will apply if no Alternative Setting is chosen)	Alternative Setting: Option A (DMA settings can be modified from the Default settings in place)	Alternative Setting: Option B (DMA will be inactive only after school hours)
Protect students from objectionable content	<p>Web content filtering will include, but not limited to the following categories:</p> <ul style="list-style-type: none"> • Violent/extremist content • Sexual/pornographic content • Gambling-related content 	<p>Parents/Guardians will be able to include additional web content filtering by submitting a request to the school.</p>	<p>No content filtering at all after school hours.</p>

After-School DMA Parent Options

	Default Setting (This will apply if no Alternative Setting is chosen)	Alternative Setting: Option A (DMA settings can be modified from the Default settings in place)	Alternative Setting: Option B (DMA will be inactive only after school hours)
Reduce distractions from learning through control of applications	Parents/Guardians and students will be <u>unable</u> to install additional applications.	<ol style="list-style-type: none"> 1. Parents/Guardians and/or students will be able to install additional applications after school hours. 2. Applications installed by parents/guardians and/or students after school hours will not be accessible during school hours. 3. Parents/Guardians can limit access to applications installed on the device. 	<ol style="list-style-type: none"> 1. Parents/Guardians and/or students will be able to install additional applications after school hours. 2. Applications installed by parents/guardians and/or students after school hours will not be accessible during school hours.

After-School DMA Parent Options

	Default Setting (This will apply if no Alternative Setting is chosen)	Alternative Setting: Option A (DMA settings can be modified from the Default settings in place)	Alternative Setting: Option B (DMA will be inactive only after school hours)
Limit screen time	The school will define the specific hours during which the student can use the device.	<ol style="list-style-type: none"> 1. Parents/Guardians can adjust their child's/ward's screen time by setting rules on the device*. 2. Parents can determine the duration of use of specified applications. 	No control over screen time.
Monitor students' cyber activities	Parents/Guardians will <u>not</u> be able to track their child's/ward's browser history.	Parents/Guardians will <u>not</u> be able to track their child's/ward's browser history via the parent account.	Parents/Guardians will <u>not</u> be able to monitor or control their child's/ward's use of the device through the DMA.
Provision of Parent Account	X	✓	X

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. DMA complements your efforts in supporting your child/ward as they navigate the digital space. Here are some resources that you can refer to:

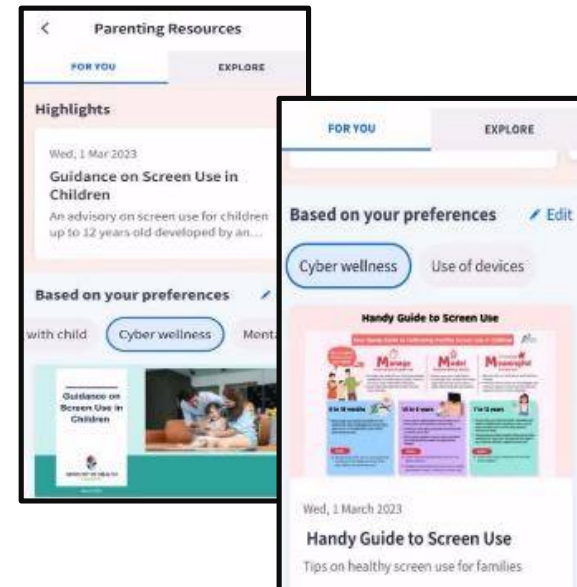
A. Parent Kit



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



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

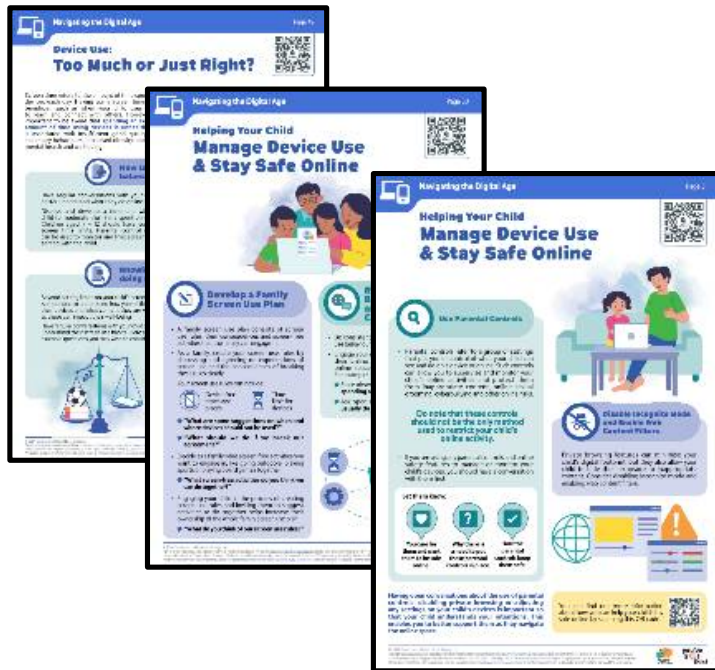


PROVIDING A SAFER DIGITAL ENVIRONMENT FOR LEARNING

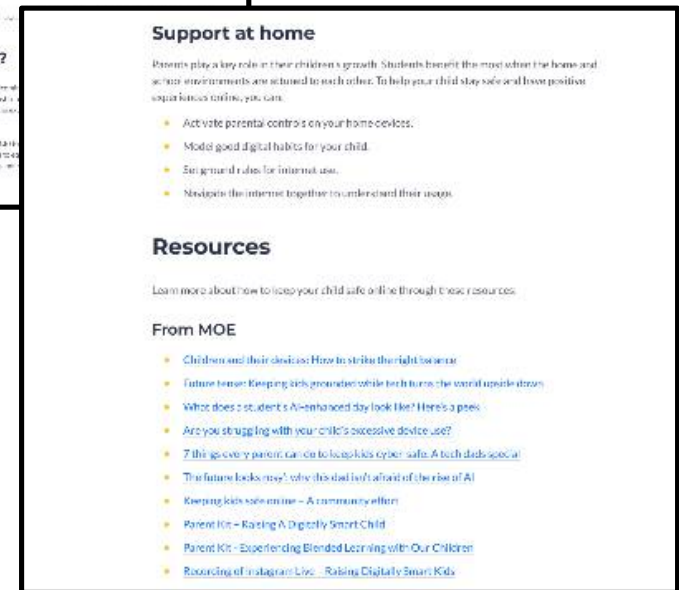
Supporting Resources

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.



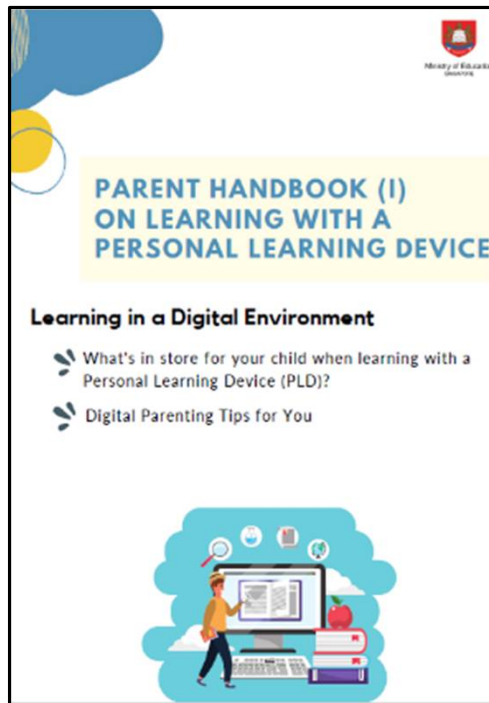
E. More resources are available via MOE Cyber Wellness Webpage



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.



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 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.

Device and Funding Information

Marsiling Secondary School Personal Learning Device (PLD)



**A14 Bionic chip, 4GB RAM, 64GB
Storage,
10.9" Screen Size
(WIFI)**

- The school will be using the
- ***Model: Apple iPad 10.9 10th Gen***
- ***Apple Pencil (USB-C)***
- ***Ruggedized Silicon Casing***

- Total Cost with GST: **\$764.40 (inclusive 9% gst)**

- (Enhanced Bundle (3 years warranty) + Original Apple Pencil+ Protective Case)

Marsiling Secondary School Personal Learning Device (PLD)



**A14 Bionic chip, 4GB RAM, 64GB
Storage,
10.9" Screen Size
(WIFI)**



- The school chose the device because of:
 - Good OS stability.
 - Good Battery Life.
 - Availability of Education APPs
 - Support APPs and web based APPs (Google Classrooms, SLS).
 - Simple Interface.
 - Portability
 - Strong Partnership and Support from APPLE Education

PLD Bundle

Device Bundle includes
<ul style="list-style-type: none">▪ Apple iPad 10.9 (10th Gen, WIFI, 64GB)▪ Original Apple Pencil▪ Ruggedized Silicon Casing (Shock-absorbent case)▪ Insurance and Warranty

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* (*Accidental Loss will not be replaced*).

Please note that the price of the PLD Bundle may appear to be higher than similar models on the retail market as the price of those devices usually does not include extended warranty and insurance coverage.

Insurance Coverage

The package includes a **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>

Technical Support for Students' Devices

Technical support will be provided to students through:

- **Desktop Engineers/ICT Manager during breaks and after school at the ICT Service Counter at the Library.**
 - Troubleshooting of device issues
 - Solve connectivity issues
 - Collection of devices to be sent for repairs. (Vendor will collect from the school every two weeks.)
- **Apple Vendor's service centres (<https://go.gov.sg/mss-pld-info-kit>)**
 - 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 Scenario: Student A (SC)



Student A (SC on MOE FAS) GHI ≤ \$3,000 or PCI ≤ \$750	
Device Bundle Cost	\$764.00
Student Subsidy	\$350
Available Edusave Balance <i>(After setting aside for 2nd-tier misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Additional Subsidy	\$214.00
Cash Out-of-pocket	\$0

Scenario assumes Student A only have \$200 in his/her Edusave account

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

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 Scenario: Student B (SC)



Student B (Non MOE-FAS SC from lower income family) \$3,000 < GHI ≤ \$4,400 or \$750 < PCI ≤ \$1,100	
Device Bundle Cost	\$764.00
Student Subsidy	\$200
Available Edusave Balance <i>(After setting aside for 2nd-tier misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Additional Subsidy	\$314.40
Cash Out-of-pocket	\$50.00

Scenario assumes Student A only have \$200 in his/her Edusave account

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

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 Scenario: Student C (SC)



Student C (Not Eligible for Subsidy) GHI > \$4,400 or PCI > \$1,100	
Device Bundle Cost	\$764.00
Available Edusave Balance <i>(After setting aside for 2nd-tier misc fees)</i>	\$200.00 before deduction \$200.00 will be deducted
Cash Out-of-pocket	\$564.00

*Scenario assumes Student A only have **\$200** in his/her Edusave account*

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

What's Next?

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 on **<15 January 2025>**.
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 **27 January 2025** if you have not done so previously.*

ETDO

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

WHAT'S NEXT?

For Singapore Citizens (SC) Students

Time Frame	Activity
15 January to 27 January 2025	<ol style="list-style-type: none">1. Submit:<ol style="list-style-type: none">a. consent to PLD purchase via in the PG notification which includes the following:<ul style="list-style-type: none">• Intent to Purchase Personal Learning Device (PLD);• Authorisation Form for the Collection of PLDb. the Standing Order (SO) for the use of Edusave Account via https://go.gov.sg/edusaveformsgso (for Singapore Citizen students only) if you have not done so previously. Parents without access to PG can submit their consent via hardcopy.
To be confirmed [March]	Collection of devices by students

WHAT'S NEXT?

For Permanent Residents / International Students

Time Frame	Activity
15 January to 27 January 2025	<ol style="list-style-type: none">1. Submit consent to PLD purchase which includes the following:<ul style="list-style-type: none">• Intent to Purchase Personal Learning Device (PLD);• Authorisation Form for the Collection of PLD <p>Submit directly to the General Office by 27 January 2025</p>
February Billing (~ 18 February)	Parent/Guardian to make payment via Giro/PayNow
To be confirmed [March]	Collection of devices by students

WHAT'S NEXT?

Collection of Devices

Your child/ward will be collecting his/her device in school **from in March 2025. [Exact Date to be confirm later]**

If you would like to personally/have another adult to verify the condition of the device during collection with your child/ward:

- You may arrange to collect the device **at the vendor's service/collection centre*** {Henderson Industrial Park] 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 **not** be able to collect the PLD from the school.

What's Next

Tentative Schedule

Time Frame	Activity
15 - 27 Jan 2025	Parental Consent for Purchase and Edusave Withdrawal Forms will be given to students
18 Feb 2025 to collection date	Online billing and cash/cheque/online payment (if any)
March 2025 [Exact Date to be confirmed later]	Collection of Devices

* Parent Gateway / Parents' Letter would be used to convey information and to facilitate the purchase.

Important Contacts/ Helplines

To access/find out more about...	Contact/Helpline
This deck of slides	Available on the school websites under NDLP @ MSS https://go.gov.sg/mss-ndlp
Edusave Balance	6260 0777
Financial assistance available	6894 1413

Thank you





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