

Mdm Siti Zuraidah HOD/ICT

How does the
Personalised Digital
Learning Programme
(PDLP) enhance Teaching
and Learning?



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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 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**

How will your child/ward use the PLD in Gan Eng Seng School?

- Assessing SLS for teachers-curated lessons and repository of curriculum aligned resources
- Digital Mind mapping and Concept Plan Drawing
- Group Brainstorming, Class Discussions and Collaborations through apps such as SLS, Padlet and Classkick
- Annotation and submission of assignments via Google Classroom, using student iCON accounts

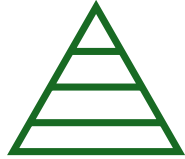


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Supporting Students in the Safe and Effective Use of the Devices

Supporting Students in the Safe and Effective Use of the Devices



Time and structure are needed for students to develop the ability to self-regulate their use of PLDs.



Schools and parents must work together to help our students foster good digital habits and develop self-regulation skills.

To enable a safer digital environment for learning with PLDs, the school has implemented some of the following measures:

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

Supporting Students in the Safe and Effective Use of the Devices

- PLD Cupboards



LEARN

LEVEL UP- LEARNING BY CHARGING YOUR DEVICE

BE PREPARED

- Fully charge your PLD
- Get ready all your login details



KEEP UPDATED

- Update software and applications regularly



BE ORGANISED

- Organise your files and folders properly



LEARN

ENGAGE MEANINGFULLY WITH YOUR DEVICE

BE DISCIPLINED

- Screen down unless instructed
- Do not AirDrop materials to your peers during lessons



STAY CONNECTED

- Check that
- PLD is connected to the Wi-Fi
- Notifications are switched off



BE SAFE

- Only access websites assigned by your teacher



USE RESPONSIBLY

- Use your PLD for learning when in school
- Check notifications for assignments daily
- Submit assignments promptly



LEARN

ALWAYS SAFE GUARD YOUR DEVICE

BE SECURE

- Use a strong password and remember it
- Don't share your password
- Don't open / download any suspicious file



PROPER STORAGE

- Keep your PLD & Pencil together
- Label your PLD for easy identification
- Don't leave your PLD unattended



PROPER CARE

- Clean and sanitise your PLD often
- Don't put heavy things or food and drinks on your PLD



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RESPECTFUL AND RESPONSIBLE USE ONLY

SHOW RESPECT

- Practise good cyberwellness habits
- No cyberbullying
- no taking pictures of someone without consent
- no posting of inappropriate materials



HAVE INTEGRITY

- Use your own PLD with permission when in class
- No impersonating others by using your peer's PLD
- Use your own name



SELF CARE

- Practise simple eye-care routine
- Avoid prolonged screen time



LEARN

NOTIFY YOUR TEACHER WHEN SOMETHING IS NOT RIGHT

SEEK HELP

- Inform teachers if help is required



DO THE RIGHT THING

- Inform teachers if your peers are misusing their PLDs
- If you lose your PLD/ found an unattended one, report to the general office immediately



Cyber Wellness Programme

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



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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.



Ministry of Education
SINGAPORE

How will your teenager use AI to learn in school?

Find out how your child will use AI to learn and
develop AI literacy through the school curriculum



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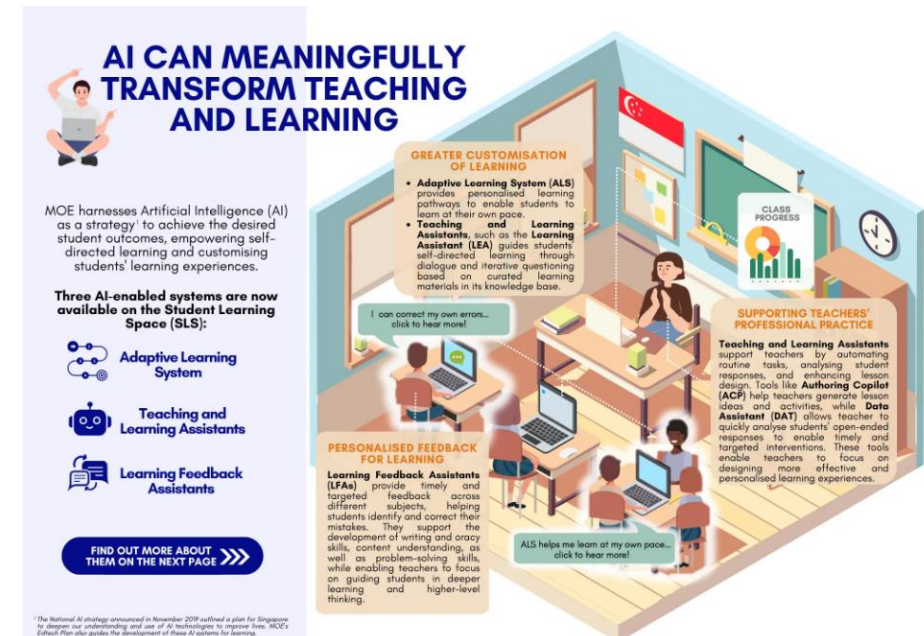
Students will learn to harness AI ethically to augment their capabilities in life and at work



Scan QR code to read more about SLS AI-enabled features!

1. AI use for teaching and learning must support students to develop competencies to use AI effectively.
 - **Lower Secondary students** will learn to take greater ownership of how AI can be used to support learning. Student learning experiences will also provide opportunities for them to reflect on how and why they use AI.
 - **Upper Secondary students** will learn to use AI in a way that guards against always turning to AI first and to use AI in an ethical manner.
2. There are safe and pedagogically sound AI tools available in the Singapore Student Learning Space (SLS). Students will use these tools when their teachers incorporate these tools within the assigned SLS modules.

Three AI-enabled systems in the Singapore Student Learning Space (SLS):



Students will develop AI literacy throughout secondary school

- Under MOE's National Digital Literacy Programme (NDLP), students will develop **9 digital competencies** under the **Find, Think, Apply, Create (FTAC) Frame**.
- Students will build on the digital competencies they acquired in primary school to broaden and deepen their AI literacy.

Lower secondary students will understand the ethical considerations when using AI-generated output and the need to check AI output for accuracy and credibility



Upper secondary students will understand that AI cannot replicate aspects of human intelligence and that AI can be used to produce digital artefacts (e.g. videos, presentations etc.) but that these artefacts need to be inspected and adjusted accordingly.



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

MOE DMA Installation

- The MOE DMA solution for iPad, Jamf, 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.

What is the Device Management Application (DMA) and why is it necessary?

Did you know?

- A study by the Ministry of Digital Development and Information (MDDI) identified potential risks related to exposure to **harmful online content**, including:
 - Cyberbullying
 - Sexual content
 - Inciting racial/religious tension
 - Violent content

Most common types of harmful online content

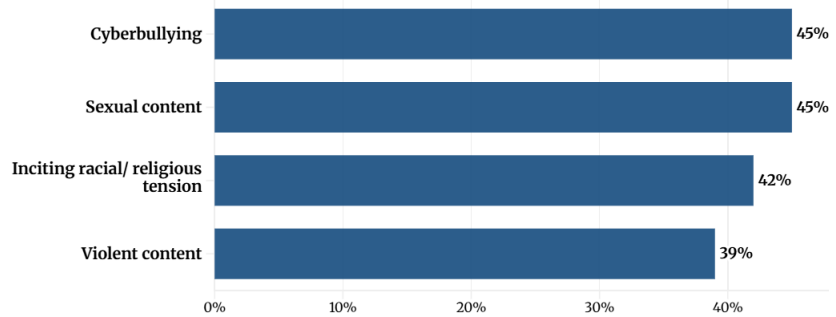


Chart: Clara Ho
Source: Ministry of Digital Development and Information, Jul 25, 2024



Why is the DMA so important?

- The MOE DMA is the technical means to **ensure a safe and effective digital environment** to support our students' use of technology in school and at home.
- The school has determined the DMA settings for **in-school use**. As a default, these settings will continue to be in place after school.



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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).¹
- School hours are defined to be from **6: 30 am to 5.00 pm** and after school hours from **5 pm to 10:30 pm**. The device will shut down at **10:30 pm** by default.
- The school will determine the applications and programs to be installed to support teaching and learning. **For example, YouTube and Netflix are blocked in our school.**



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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
Default Setting (Note: This will apply if no alternative options are chosen)	DMA settings can be modified by Parents/Guardians after school hours	DMA will be inactive after school hours¹
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.	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.	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.

- 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.



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After-School DMA Parent Options

	Default Setting (This will apply if no Alternative Options are chosen)	Alternative Setting: Option A (DMA settings can be modified)	Alternative Setting: Option B (DMA will be inactive only after school hours)
Protect students from objectionable content	Web content filtering will include, and not limited to, the following categories: • Violent/extremist content • Sexual/pornographic content • Gambling-related content • Suicide/self-harm content • Cyberbullying content • Content endangering public health	Parents/Guardians will be able to include additional web content filtering using the Jamf Parent app. However, parents/guardians cannot allow access to web content that is filtered out under the Default Setting.	No content filtering after school hours.

- 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.



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After-School DMA Parent Options

	Default Setting (This will apply if no Alternative Options are 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 will <u>not</u> be able to install additional applications.	Parents/Guardians will be able to install additional applications after school hours by signing in to the Apple App Store using their personal Apple Accounts. Applications installed by parents/guardians/students will not be accessible during school hours. Parents/Guardians can limit after school access to applications that they install on the PLD.	Parents/Guardians/Students will be able to install additional applications after school hours by signing in to the Apple App Store using their personal Apple Accounts. Applications installed by parents/guardians/students will not be accessible during school hours.



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After-School DMA Parent Options

	Default Setting (This will apply if no Alternative Options are 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 PLD.	Parents/Guardians can modify the amount of screen time for their child/ward by setting the PLD sleep hours to any time between 5 pm and 10:30pm or earlier. This can be done on the Jamf Parent Application.² Parents/Guardians can determine the duration of use of specified applications.	No limitation on duration of screen time. after school hours. Sleep hours are not enforced.³



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After-School DMA Parent Options

	Default Setting (This will apply if no Alternative Options are 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)
Monitor students' cyber activities	Parents/Guardians will not be able to track their child's/ward's web browsing history due to Apple's Privacy Policy.		
Provision of Jamf Parent account	x	✓	x



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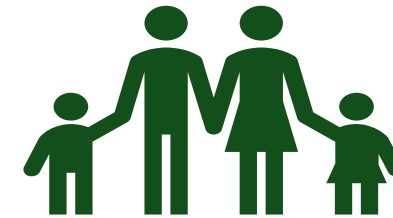
Support for Parents/Guardians

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?



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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:



Refer to
go.gov.sg/gesspdlp

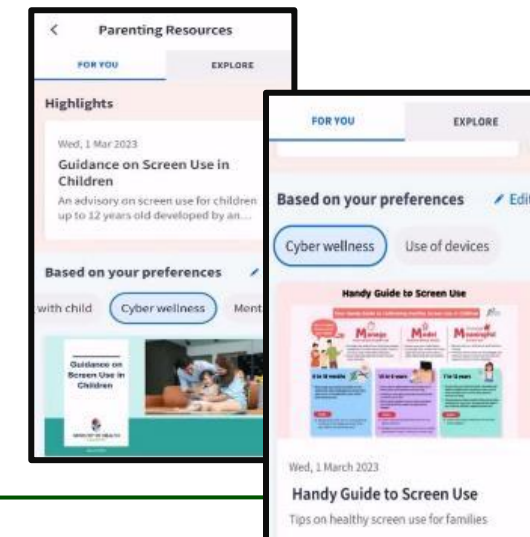
A. Parent Kit



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



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



Where to find the link to these resources?

- Visit GESS PDLP sites at the following link :

<https://go.gov.sg/gesspdlp>



<https://go.gov.sg/gesspdlp>



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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).



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Device and Funding Information

Our PLD of choice in GESS

Apple iPad WiFi

- - Model: iPad 11-inch (A16)
- Processor: A16 Bionic chip
- Memory (size, type, speed): 6GB
- Storage (type and size): 128GB
- Enhanced Bundle Warranty: 4-Year Carry-in Warranty
- Enhanced Bundle Insurance: 4-Year Insurance

Add-on/Accessories Item(s):

- Apple Pencil (1st Gen) With USB-C Adapter Warranty
Valid With 4y AppleCare+ For School
 - Logitech Rugged Combo 4 iPad 11-inch A16/10.9-inch 10 Gen [4 Year Warranty]
- The price of the device bundle (inclusive of GST) is **S\$860.90 (estimated)**



Apple iPad 11-inch A16 Bionic chip, 6 GB Memory, 128 GB Storage



We chose the device because of:

- Interoperability of applications (e.g. Microsoft Office, Google Classroom accessible through Student iCON email accounts);
- Unsurpassed annotation capabilities of the Apple Pencil;
- Device/interface familiarity;
- Maintenance and servicing through 7 service locations around Singapore



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PLD Bundle

Your child's/ward's PLD will come with the **Enhanced Device Bundle** which includes:

- **4-year warranty and 4-year insurance**
- **2 repairs or 1 replacement claim**

Insurance Coverage	Claimable
• Fire • Lightning • Power Surges • Accidental e.g water spillage, drop etc • Theft due to forcible entry • Robbery * Accidental loss will not be covered by insurance.	2 repairs or 1 replacement claim (4-year insurance)



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Important Note

You do **NOT** need to purchase a PLD if you have **an iPad installed with iOS 14.6 (minimum)**, and if you consent to installing the DMA on this device.

There is also no 'upgrade' option (e.g. to a 256GB model).

You will have to purchase your own Apple Pencil and case for your child/ward, if you choose to use your own device.

Important Note

You will receive a link next week to indicate your reply with regards to the purchase of PLD via Parents Gateway.

You can indicate your intention to NOT purchase the PLD on the consent form, and the school ICT team will contact you regarding the device suitability assessment.

If you indicated your desire to purchase the PLD, changed your mind, please fill in the consent form again before the deadline. We will take the latest response.

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.



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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.



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Funding Support for Singapore Citizen (SC) Students

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

$\$4,000 < \text{Gross Household Income (GHI)} \leq \$5,500$, or

$\$1,000 < \text{Per Capita Income (PCI)} \leq \$1,375$

**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.



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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) is above \$1,375.**

- Parents/Guardians can use their child's/ward's Edusave or cash to defray the device bundle cost.

Home Access Programme

Application for Home Access Programme provide subsidised fibre broadband for household who meet with requirement.

For more information, visit:

www.digitalaccess.gov.sg

For more details, please approach the Ms Jacqueline Tham at jacqueline_tham_lai_kuen@schools.gov.sg

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 12th January 2026. **Please respond by 18th January 2026.**
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 **18th January 2026** if you have not done so previously.

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

Timeline of key events moving forward

Time Frame	Activity
18 th January 2026	Submit response via PG indicating intention to purchase PLD, which includes the following annexes: • Intent to purchase • Use of Edusave Parents without access to Parents Gateway can submit their consent via hardcopy.
19 January to 26 January 2026	School ICT Team to contact parents who indicated their intention to use their own iPad , for the device suitability assessment.
By Early March (Estimated Week 9)	Collection of devices by students. Edusave will be deducted prior to the collection of devices.

For Permanent Residents / International Students

Time Frame	Activity
18 th January 2026	Submit Parental Consent for the Purchase of Personal Learning Device (PLD) which includes the following: • Intent to Purchase Personal Learning Device (PLD); • Authorisation Letter
10 th February 2026	Parent/Guardian to make payment via Giro/PayNow
By Early March (Estimated Week 9)	Collection of devices by students

Collection of Devices

- Your child/ward will be collecting his/her device in school **from Early March 2026.**
(Tentative date : 4th March 2026 – email will be sent)
- If you would like to personally/have another adult to verify the condition of the device during collection with your child/ward:
 - a) You may arrange to collect the device **at the school general office at least 1 day after the mass collection.**
(Do indicate in the PG form)
 - b) 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 at gess_it_helpdesk@moe.edu.sg for further advice or clarification if you would like to make this arrangement.

Important Contacts / Helplines

To access / find out more about...	Contact / Helpline
The PDLP rollout programme in GESS	Parents Gateway Letter and Consent Form
Edusave balance	6260 0777
Financial assistance	Mdm Jacqueline Tham <jacqueline_tham_lai_kuen@schools.gov.sg>
Other queries about device and/or DMA	Mdm Siti Zuraidah Binte Kamis <siti_zuraidah_kamis@schools.gov.sg>
Technical / DMA Support	gess_it_helpdesk@moe.edu.sg



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