

# **National Digital Literacy Programme Briefing for Parents**

# The National Digital Literacy Programme (NDLP)

**Digital technology is becoming increasingly pervasive in jobs, workplaces and society.**

The NDLP was launched in March 2020 to **make digital learning inclusive** by **equipping students with the digital literacies** to be future-ready.

# The National Digital Literacy Programme (NDLP)

Through the NDLP, all secondary school students will **own a school-prescribed personal learning device (PLD)** from end 2021 onwards. Singapore Citizen students can use their **Edusave Account to pay for the PLD.**

The device will be used to facilitate an environment that **encourages personalised learning.**

# Intended Outcomes of a Personalised Learning Environment

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**



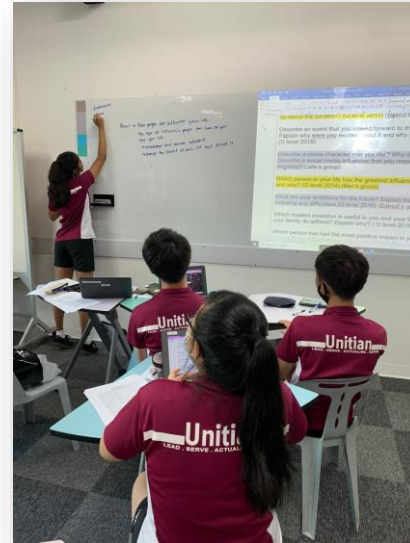
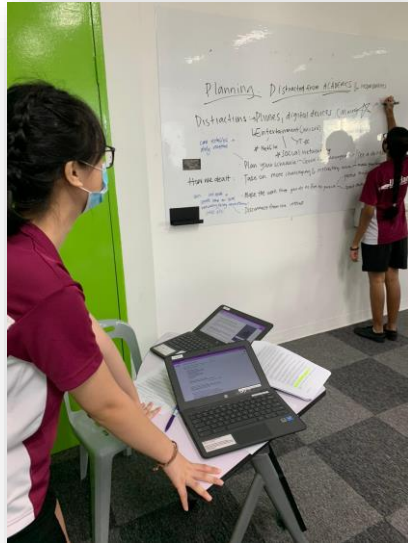
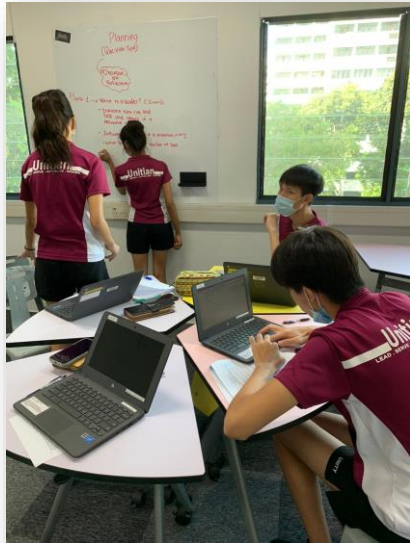
**Enhance Teaching and  
Learning**

**Our 1:1 Programmes**  
**Unity Secondary School**

# How will your child use the Personal Learning Devices?

At **Unity Secondary**, your child will ...

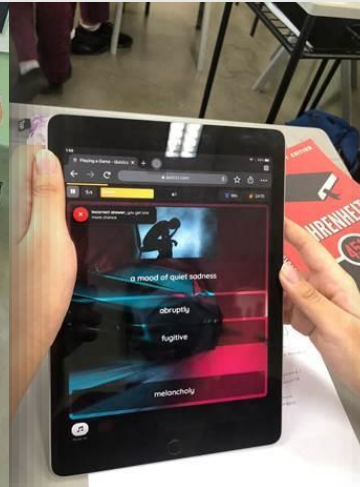
1. experience active learning with technology.



# Active learning with technology ...

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Students will **'Do'**  
*e.g. talk, write, draw to make thinking visible*



# Active learning with technology ...

Students will **'Think'**

e.g. use thinking strategies to monitor and evaluate own learning



**Claim-Evidence-Reasoning (CER)** - For generating a claim, investigating and explaining own claims with evidence to form new conclusions

**Think Like a Scientist: Using Claim-Evidence-Reasoning**

Claim, Evidence and Reasoning help you work through a complex problem or a complex situation so you are able to communicate your thoughts clearly and scientifically.

<p><b>Claim</b></p> <p>What do you think will happen? (state your prediction)</p> <p><b>What is it?</b></p> <ul style="list-style-type: none"> <li>A one-sentence answer to the question</li> <li>Should not start with "I think"</li> <li>Describe the relationship between the independent and dependent variables (what happened)</li> </ul>	<p><b>Evidence</b></p> <p>What data do you have to support your claim?</p> <ul style="list-style-type: none"> <li>Use data that support your claim (leave out information that does not support the claim)</li> <li>Data are observations or measurements (DE results from an experiment)</li> <li>Identify examples</li> <li>List numbers and data table information</li> </ul>	<p><b>Reasoning</b></p> <p>How does the evidence support the claim?</p> <ul style="list-style-type: none"> <li>Explain why the evidence supports the claim, applying a logical connection between the evidence and the claim</li> <li>Include general scientific principle</li> <li>Describe how or why the data connect to evidence to support the claim</li> <li>Provide the justification for why this evidence is important to the claim</li> </ul>
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**Math GCs**

- Self-assessment scale** - For gauging own understanding and asking for help after a lesson/activity
- Prayer Model** - For summarizing and defining the concept, which may include facts, characteristics or properties, and examples & non-examples

Start of lesson	My Learning Goals	End of lesson	How OK/Conf to assess lesson
1	When this unit is completed, I will be able to ...	1	
2		2	
3		3	
4		4	
5		5	

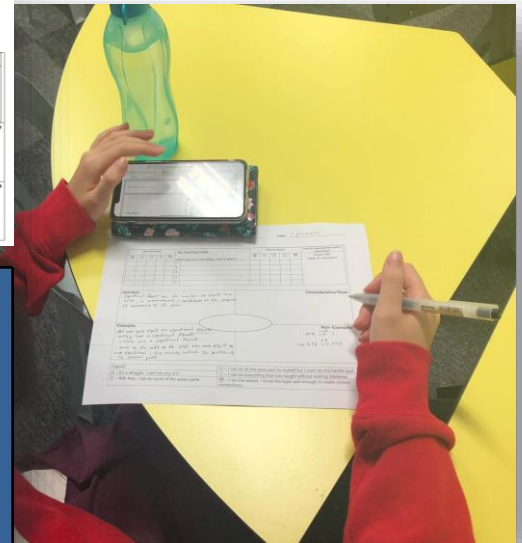
**Definitions**

**Characteristics/Draw**

**Examples**

**Topic**

**Non-Examples**



**V-charts** - For identifying and describing what "I see", "I hear", "I feel" or what "I imagine" might be there, including positive/negative, fair/unfair, safe/unsafe, easy/difficult, strengths/threats, etc.

TASK: Describe how the filled-necked lizard has adapted to its habitat.

<p><b>Looks Like</b></p> <ul style="list-style-type: none"> <li>Holding still for long periods of time, waiting for prey (ambush predator)</li> <li>Out in the open when basking</li> </ul>	<p><b>Feels Like</b></p> <ul style="list-style-type: none"> <li>A sprinter when it gets up on its hind feet to run quickly - bipedal motion</li> <li>About 91 cm in length - big enough to scare off a lot of predators</li> <li>Different colours in different environments - camouflage</li> </ul>
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**Sounds Like**

- Chirping noises as insects are being eaten
- The quiet scratching of claws on bark while climbing the tree
- Flights during mating between females males

**Feels Like**

- Cold - needs to bask to maintain good body temperature
- Vulnerable to attack when basking for 40 minutes
- Angry or afraid when it puffs up its tail to scare enemies
- Safe while sitting up in a tree
- A very full belly after a large during the wet season

**UNITY SECONDARY SCHOOL**

**Student Handbook 2021**

*Leading Self, Serving Others; Actualising Self, Inspiring Others*



# Active learning with technology ...

Students will **'Apply'**

*e.g. use learning in real life context and learn beyond*



# Active learning with technology can be defined as...

Students will **'Refine'**

*e.g. reflect to deepen understanding and continue learning*

The image displays six digital learning cards arranged in a 2x3 grid. Each card features a student's profile, a comment, and a 'comment' section.

- Top Left Card:** Student: DINI HARYUNI BINTE ROSZALI. Comment: "They have different types of working that is all equals to 25".
- Top Middle Card:** Student: NUR FATEHA BINTE HIRMAN. Comment: "Their calculations are wrongly presented".
- Top Right Card:** Student: DILLON POH ZHI XIANG. Comment: "5 x 5 = 25 They add them and subtract them".
- Bottom Left Card:** Student: MUHAMMAD NAUFAL BIN ABU BAKAR. Comment: "They all quarreling for the place value (Zhan Li and Naufal)".
- Bottom Middle Card:** Student: MUHAMAD NURHAN BIN SUHAIRI. Comment: "All the working they did is wrong".
- Bottom Right Card:** Student: SRI ANTASHA BINTE SUN'AN. Comment: "They forgot how to calculate numbers correctly".

On the right side of the image, there are three additional cards showing student work and reflections:

- Top Right Card (Left):** Comment: "2 same shaps combine together".
- Top Right Card (Middle):** Handwritten diagram labeled "Congruency" showing two identical right-angled triangles.
- Top Right Card (Right):** Comment: "Same shape equal length and size".
- Middle Right Card:** Student: NUR SYAKIRAH BINTE MOHAMAD TAHIR. Comment: "0 comment".
- Bottom Right Card (Left):** Handwritten diagram showing two triangles with sides labeled "5cm".
- Bottom Right Card (Right):** Student: NUR FATEHA BINTE HIRMAN. Comment: "0 comment".
- Bottom Right Card (Bottom):** Student: NUR MUHAMMAD ISA BIN MUSA. Comment: "Some examples of congruent figures are same length or same shapes".

# How will your child use the Personal Learning Devices?

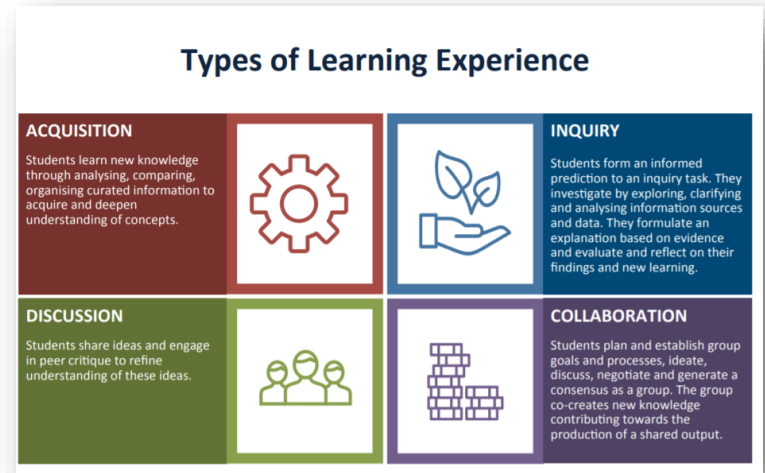
At **Unity Secondary**, your child will ...



2. have access to quality resources and learning anytime, anywhere, at own pace.

The screenshot shows the login interface for the Singapore Student Learning Space. On the left, the text 'SINGAPORE STUDENT LEARNING SPACE' is displayed in a large, spaced-out font, with 'SINGAPORE' in grey, 'STUDENT' in grey, 'LEARNING' in blue and red, and 'SPACE' in grey. On the right, there is a login form with the following elements:

- A red box containing the word 'SINGAPORE'.
- The text 'STUDENT LEARNING SPACE' in large black letters.
- The tagline 'LEARN ANYTIME, ANYWHERE, AT ANY PACE' in smaller black letters.
- A 'Username' label above a white input field.
- A 'Password' label above a white input field.
- A blue 'FORGOT PASSWORD' link.
- A blue 'LOGIN' button.



## Activity List

### Introduction

1 Part A: Recap of Issue 2 - Diversity

2 What is Healthcare? (For all)

3 Part B: Instructions

4 USA Healthcare System - Group (1)

5 SINGAPORE Healthcare System - ...

6 SWEDEN Healthcare System - Gr...

7 Consolidating your Understanding...

Completion

### Activate Learning

2. WATCH - What were the roles of immigrants in the past?

### Promote Thinking and Discussion

3. [SOURCE 1] INFER the contributions of the immigrant communities

### Promote Thinking and Discussion

4. [SOURCE 2] INFER the contributions of the immigrant communities

### Promote Thinking and Discussion

5. [SOURCE 3] INFER the contributions of the immigrant communities

## Don't get Hooked! Say 'NO' to excessive ... Seek HELP!

In this FT Period lesson, you will learn the negative impact of spending excessive time on online activities.

You will learn to:

- 1) identify your own strengths, weakness, interests and values, and understand how these influence your actions and behaviours [self-awareness];
- 2) understand the risks of cyber addiction and learn how to protect yourself as well as to avoid the dangers you might encounter online. [self-management and responsible decision making].

START

Q1:

What type of contribution did the immigrant provide for the Malay community?

- Social
- Economic
- Political

[1]

SAVE AS DRAFT

SUBMIT

What can you INFER about the contributions of the immigrant (Eunos) to Singapore's development?

I can infer...	The source states...	This suggests that...

Content is from external sources. To use microphone or camera, open in new tab.

# Device and Funding Information

# Unity Secondary School's Personal Learning Device



Intel Celeron N200  
processor, 8GB RAM, 64GB  
Storage, 11.6" Touch Screen,  
360° flip with dual cameras,  
Stylus Pen

The school will be using the **Acer Chromebook Spin R756TN** for teaching and learning.

**Total Cost with GST: \$606.00**

*Inclusive of 3 Year Carry In Warranty + Sealed Battery Warranty + Comprehensive Accidental Damage Protection (Insurance) and add-on Cable Lock & USB Type C Earpiece*

# Unity Secondary School's Personal Learning Device



Acer Chromebook Spin  
R756TN

The school chose the device because of:

- **Durability** : Rugged and able to withstand knocks, drops and spills for daily use.
- **Teaching & Learning Affordances** : Touch screen with stylus allows students to take notes and drawings in SLS and other applications.
- **Fast boot-up** : Chrome OS takes less than 10 seconds to boot up.

# Personal Learning Device Bundle

## Device Bundle

### What it includes

- Acer Chromebook Spin R756TN
- Cable Lock
- *USB Type C Earpiece*
- Insurance and Warranty
- 3-year warranty and 3-year insurance
- 2 repairs or 1 replacement claim



# Insurance Coverage

The package includes **3-year insurance** which includes:

Insurance Coverage	Claimable
<ul style="list-style-type: none"><li>● Fire</li><li>● Lightning</li><li>● Power Surges</li><li>● Accidental e.g water spillage, drop etc</li><li>● Theft due to forcible entry</li><li>● Robbery</li></ul> <p>* Accidental loss will not be covered by insurance.</p>	2 repairs or 1 replacement (3-year insurance)

# Technical Support for Student's 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 Centre @ International Service Centre(Jurong)  
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 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 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 students on MOE-FAS, subsidies are available even if there is insufficient Edusave balance. The cash out-of-pocket will be \$0.
- Subsidies will be provided for SC who need support, particularly those whose Gross Household Income (GHI) is below \$3,000 or Per Capita Income (PCI)# is below \$750.
- For more details on financial assistance, please approach the school.

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

# Funding Support for Non-Singapore Citizen Students

- Permanent residents (PR) and international students (IS) who need support could apply for subsidies, particularly those whose Gross Household Income (GHI) is below \$4400 or Per Capita Income (PCI)# is below \$1100.
- For more details, 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**

# Supporting Students in the Responsible Use of the Devices

The school has in place some measures **to enable a safe and seamless learning environment for students.** The role of the parent is also key in partnering the school to support your child.

- A.** Educating students on Cyber Wellness
- B.** Device Management Application (DMA)
- C.** Acceptable Use Policy (AUP)

# Cyber Wellness Education

## **A. Educating students on Cyber Wellness**

MOE has made significant changes to the 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



# Cyber Wellness Education

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 Education

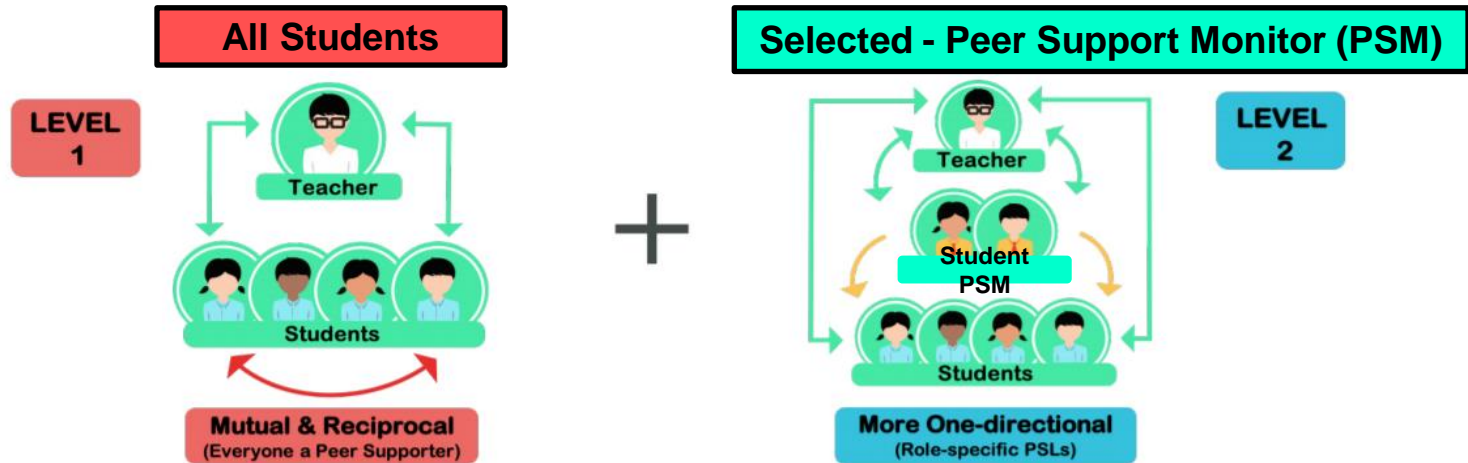
The school also has strategies to enable school-wide implementation of CCE. These include:

## **Contemporary Issues Lessons and Values-in-Action (VIA):**

- Students learn about Cyber Wellness issues such as Cyber addiction, safe internet use, etc. through engaging discussions that allow them to explore multiple perspective of these issues.
- The lessons also allow student to reflect on how they can play their part in contributing towards a **safer and positive** online community.
- Students contribute to a positive online community through Cyber Wellness advocacy that they carry out for their VIA (service learning)

# Cyber Wellness Education

In addition, the school also focuses on  
**Promoting a Peer Support Culture in Unity**



- Teach all students basic Peer Bonding, Helping and Influencing skills (PB/PH/PI)
- Builds on natural friendships

- Builds on specific roles
- Level 1 skills as a starting point
- Selected and provided with additional training in PB/PH/PI skills to support peers in need
- Teachers to offer guidance through regular check in



Connect back to Adult support

# Cyber Wellness Education

As parents, you can also play a part.

- 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.

# Cyber Wellness Education

To support you in keeping your child safe online, you may refer to these resources:

- [go.gov.sg/moe-cyber-wellness](https://go.gov.sg/moe-cyber-wellness)
- <https://beta.moe.gov.sg/programmes/cyber-wellness/>
- [go.gov.sg/better-internet-sg](https://go.gov.sg/better-internet-sg)
- [sure.nlb.gov.sg/](https://sure.nlb.gov.sg/)
- [help123.sg](https://help123.sg)

# Supporting Students in the Responsible Use of the Devices

## B. Device Management Application

Device management application (DMA) software will be installed on your child's device to provide a safe learning experience for your child, and to prevent misuse of the device.

The DMA will be **funded by MOE** and will be **uninstalled** from the device **when the child graduates/ leaves the school.**

\*Installation of the DMA will be performed after the collection of the device.  
Students will be guided on the installation.

# Device Management Application (DMA)


- 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 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 **6am to 11pm** daily
- The school will determine the apps and programs to be installed to support teaching and learning

# Providing Parents/Guardians with Greater Choice for After-School PLD Use

Default	Option A	Option B
<b>In-school DMA settings will continue after school hours</b>	<b>Parents/Guardians can modify the DMA settings after school hours</b>	<b>Parents/Guardians can choose to disable DMA after school hours</b>
<b>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.</b>	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.	For parents/guardians 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/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 at any time.



<p>During school hours Monday – Friday <b>6 a.m. to 6 p.m.</b></p>	<p><b>During School Hours (DMA by School)</b></p> <ul style="list-style-type: none"> <li>• Web content filtering (MOE baseline policy)</li> <li>• Web content filtering (School baseline policy based on inputs from teachers, parents and students e.g. specific gaming and social media sites)</li> </ul>		
<p><b>After-school hours</b> Monday – Friday <b>6 p.m. – <u>11 p.m.</u></b></p> <p><b>Weekends &amp; Public Holidays</b></p> 	<p><b>After School Hours (DMA Options for Parents)</b></p>		
	<p><b>Default (School)</b></p> <ul style="list-style-type: none"> <li>• <b>Web content filtering (MOE baseline policy)</b></li> <li>• <b>Web content filtering (School baseline policy)</b></li> <li>• <b>DMA Parent Portal</b> <ul style="list-style-type: none"> <li>- <b>Date and time last reported online</b></li> <li>- <b>Browsing history</b></li> <li>- <b>Web filtering report</b></li> <li>- <b>Sleep hours restriction</b></li> </ul> </li> </ul>	<p><b>Option A (Parent)</b></p> <ul style="list-style-type: none"> <li>• Web content filtering (MOE baseline policy)</li> <li>• Web content filtering (School baseline policy)</li> <li>• Install applications</li> <li>• DMA Parent Portal <ul style="list-style-type: none"> <li>- Date and time last reported online</li> <li>- Browsing history</li> <li>- Web filtering report</li> <li>- <i>Ability to modify settings:</i> <ol style="list-style-type: none"> <li><i>Additional web content filtering</i></li> <li><i>Change sleep hours timing</i></li> <li><i>Disable the device</i></li> </ol> </li> </ul> </li> </ul>	<p><b>Option B (Parent)</b></p> <ul style="list-style-type: none"> <li>• No web content filtering</li> <li>• Install applications</li> <li>• <b>No access to DMA Parents Portal</b> <i>Note: There is no logging of child's activities online and no sleep hours restriction, hence no browsing history available</i></li> </ul>
<p><b>Follow-up Action/s by Parents</b></p>	<p><b>NO action is needed.</b> <i>Note: To activate parent's account and reset password for the DMA Parents portal upon receiving an email from Mobile Guardian.</i></p>	<p><b>Email Admin for Option A</b> at <a href="mailto:admin_unity_ss@moe.edu.sg">admin_unity_ss@moe.edu.sg</a></p> <p><i>Note: To activate parent's account and reset password for the DMA Parents portal upon receiving an email from Mobile Guardian.</i></p>	<p><b>Email Admin for Option B</b> at <a href="mailto:admin_unity_ss@moe.edu.sg">admin_unity_ss@moe.edu.sg</a></p> <p><i>Note: Admin will contact the parent for verification upon receiving parent's email.</i></p>

## 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.

# Additional Resources for Parents

To support you in keeping your child/ward safe online, you may refer to these additional resources:

- Parent Handbooks (I) and (II) on Learning with a Personal Learning Device (shared by the school)
- Parent Kit on Cyber Wellness for Your Child (<https://go.gov.sg/moe-cyber-wellness>)
- Parent Kit on Raising a Digitally Smart Child (<https://go.gov.sg/moe-raising-a-digitally-smart-child>)
- Parenting with MOE: Instagram Live session on Raising Digitally Smart Kids (<https://go.gov.sg/iglive-raising-digitally-smart-kids>)
- Schoolbag article 'Keeping our teens safe online' (<https://www.schoolbag.edu.sg/story/keeping-our-teens-safe-online>)
- MOE Cyber Wellness Programme (<https://www.moe.gov.sg/education-in-sg/our-programmes/cyber-wellness>)
- Media Literacy Council's Resources for Parents (<https://go.gov.sg/better-internet-sg>)
- National Library's Learning & Information Literacy Resources (<https://sure.nlb.gov.sg/>)
- TOUCH Community Services (<https://help123.sg>)

# Supporting Students in the Responsible Use of the Devices

## C. Acceptable Use Policy (AUP)

Parents could refer to the AUP when helping to manage his/her child's use of the PLD. The AUP will help your child to **understand the expectations of device use to enable a conducive learning environment.**

It also **outlines** the **consequences** for violating the policy.

## Parents Engagement Plan

# Equipping Parents with Knowledge & Skills – Home Support Structure

### *Enabling Conditions for Implementation*


- ✓ Learning Structures
  - Student Centered, Self-paced, Blended Learning
  - Assessment Approach
  - Monitoring Learning Process
  - Adjustment in timetable
- ✓ Learning Platforms
  - Student Learning Space (SLS)
  - Zoom
  - Parent Gateway (Admin Communications)
- ✓ Home Environment
  - Study Corner
  - Wi-Fi Connection
  - Setting Home Routines & Expectations
- ✓ Learning Device
  - Device Selection
  - Funding Support
  - Procurement matters (T&C, AUP, DUP)
  - IT Support
- ✓ Learning Environment
  - Future Classroom
  - Physical Flexible Learning Space
- ✓ Parent Support
  - PSG Sharing of Good Practices
  - Parents to surface concerns to sharpen processes
  - Parent Toolkit
  - Parenting talk/ workshops
  - Timely & Practical Strategies/ Tips



**What's Next**



# What's Next (Reminder to check PG)

Time Frame	Activity
<p><b>26 Dec 2023 – 8 Jan 2024</b> <b>(latest by next Mon)</b></p>	<p><b>Parental Consent for Purchase and Edusave Withdrawal (For Singapore Citizens)</b></p> <p></p> <p><a href="https://go.gov.sg/pdlpadmin">https://go.gov.sg/pdlpadmin</a></p> <p><b>Payment via Giro/Cheque (For Permanent Residents (PR) / International Students (IS))</b></p>
<p><b>26 Jan 2024 (Friday)</b></p>	<p><b>Collection of Devices in School</b></p>

- Parent Gateway would be used to convey information and to facilitate the purchase.
- Edusave Balance 6260 0777
- Financial assistance available 67671070

**THANK YOU**