# School Policy & Procedure

# Bring Your Own Specified Device (BYOSD)

## Introduction

The BYOSD (Bring Your Own Specified Device) program helps students develop skills that significantly enhance their success and engagement in school. These skills also prepare students for the modern workforce, where technological competence is crucial. Our goal is not only to enhance student learning in the present but also to improve their future employment prospects. This initiative goes beyond merely using devices for writing essays; it provides students and teachers with opportunities to explore innovative and impactful learning possibilities across various subjects through the use of remarkable technology applications. Having a computer device enables students to instantly access information and leverage a wide range of digital learning and communication software. The implementation of BYOSD in classrooms contributes to redefining the learning experience. At Sri KDU Subang Jaya International School, our objective is to utilize technology to engage and enhance learners' skills, enabling them to conduct research, collaborate, create, and communicate effectively.

## BYOSD Explained

The concept of BYOSD, which stands for 'Bring Your Own Specified Device,' involves students bringing their own personal technology device to school for their daily classwork. In this context, the term 'device' refers to a wireless internet-enabled piece of hardware capable of opening and editing documents, videos, and multimedia files for classroom purposes. At SRI KDU International School Subang Jaya, the school selects the type of device that students are required to bring, ensuring compatibility with the school's network. This ensures efficient functioning of the devices within our school systems.

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**The shift from BYOD (Bring Your Own Device) to BYOSD (Bring Your Own Specified Device)**

To provide more clarity and control in terms of the devices being brought to the school environment. Here are a few reasons why such a change might be necessary:

1. **Compatibility**: BYOSD allows the school to specify the type of device that students should bring, ensuring compatibility with the school's network and systems. This helps avoid issues related to incompatible devices and software.
2. **Standardization**: BYOSD promotes standardization among students, ensuring a consistent user experience and facilitating easier troubleshooting and support.
3. **Security**: By designating specific devices, the school can implement security measures and controls that align with the chosen devices. This helps protect sensitive data, prevent unauthorized access, and maintain a secure learning environment.
4. **Learning optimization**: BYOSD enables the school to curate and utilize educational applications, software, and tools that are best suited for the specified devices. This helps optimize the learning experience and take full advantage of the device's capabilities.
5. **Resource allocation**: BYOSD allows the school to allocate resources and support based on the specified devices, ensuring efficient technical assistance and maintenance.

Overall, transitioning from BYOD to BYOSD provides the school with more control, standardization, security, and optimization of the learning environment.

The following devices are not part of the SISJ (Sri KDU International School Subang Jaya) BYOSD program:

- Any device running on Android operating systems.

- Huawei MatePad

- Chromebook

- iPad Mini

- Smart Phones – Any type

- Netbooks

- Laptop running on Windows XP or 7

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## Hardware requirements for Microsoft Teams on a Windows PC

| Component | Requirements |
|---|---|
| Computer and processor | Minimum 1.1 GHz or faster, two core<br>Note: For Intel processors, the maximum speed achieved using Intel Turbo Boost Technology (Max Turbo Frequency) must be considered |
| Memory | 4.0 GB RAM |
| Hard disk | 3.0 GB of available disk space |
| Display | 1024 x 768 screen resolution |
| Graphics hardware | Windows OS: Graphics hardware acceleration requires DirectX 9 or later, with WDDM 2.0 or higher for Windows 10 (or WDDM 1.3 or higher for Windows 10 Fall Creators Update) |
| Operating system | Windows 11, Windows 10 (excluding Windows 10 LTSC for Teams desktop app), Windows 10 on ARM, Windows 8.1, Windows Server 2019, Windows Server 2016, Windows Server 2012 R2. Note: We recommend using the latest Windows version and security patches available. |
| .NET version | Requires .NET 4.5 CLR or later |
| Video | USB 2.0 video camera |
| Devices | Standard laptop camera, microphone, and speakers |
| Videocallsand meetings | • Requires two-core processor. For higher video/screen share resolution and frame rate, a four-core processor or better is recommended.<br>• Background video effects require Windows 10 or a processor with AVX2 instruction set.<br>• Joining a meeting using proximity detection in Microsoft Teams Rooms requires Bluetooth LE. Bluetooth LE on Windows requires Bluetooth to be enabled on the client device and requires the 64-bit version of the Teams client. This feature is not available on 32-bit Teams clients. |
| Teams live events | if you are producing a Teams live event, we recommend using a computer that has a Core i5 Kaby Lake processor, 4.0-GB RAM (or higher), and hardware encoder. |

## Hardware requirements for Teams on a Mac

| Component | Requirements |
|---|---|
| Computer and processor | Intel Core Duo processor |
| Memory | 4.0 GB RAM |
| Hard disk | 1.5 GB of available disk space |
| Display | 1280 x 800 or higher resolution |
| Operating system | One of the three most recent versions of macOS. For example, when a new version of macOS is released, the new version and the two immediately preceding it become the supported versions. |
| Video | Compatible webcam |
| Voice | Compatible microphone and speakers, headset with microphone, or equivalent device |
| Video calls and meetings | • Requires two-core processor. For higher video/screen share resolution and frame rate, a four-core processor or better is recommended.<br>• Joining a meeting using proximity detection in a Microsoft Teams Room requires Bluetooth LE. Bluetooth LE requires Bluetooth to be enabled on the client device. |

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**Bring Your Own Specified Device (BYOSD) for secondary**.

For the SISJ BYOSD program in 2023, it is highly recommended that all Year 7 to Year 13 students bring a laptop to use in their classes. Please note that a mobile phone will not be considered the most suitable learning device. Here are the recommended minimum device specifications for secondary Year 7 to Year 13 :

| Device Components | Minimum Specification | Recommended Specification |
|---|---|---|
| Processor | Intel: Processor Core i3 / AMD Ryzen 3/Apple M1 | Intel i5 Gen 11/AMD Ryzen 5 or higher/Apple M1 |
| Screen Size | 11 to 13 inch recommended, 1280 X 720 minimum resolution 11" minimum, 15" + sizes not recommended | 13 to 15 inch recommended, 1280 X 720 minimum resolution 13" minimum, 15" + sizes not recommended |
| Operating System | Windows 10 or Apple OSX 10.15 (No iOS or Chromebook | Windows 11 or Apple OSX 12.5 (No iOS or Chromebook) |
| RAM | 4 GB to 8GB Minimum | 12GB to 16GB |
| Hard Disk | 256GB SSD Drive | 512 SSD Drive |
| Wireless Networking | 802.11ac\|Wi-Fi 5 | 802.11ax\|Wi-Fi 6 |
| Keyboard | Physical (not onscreen) | Physical (not onscreen) |
| Audio | 3.5mm Jack | Wireless |
| Camera | Built-In | Built-In |
| Bluetooth | 4.0 | 4.0 |
| Web Browser Capable | Microsoft Edge\ Chrome\Safari | Microsoft Edge\ Chrome\Safari |
| **USB Ports** **Note: If device has USB-C only, then an USB-C to USB 2.0 Adapter is required** | 1 x USB 2.0 & 1 x USB-C | 1 x USB 2.0 & 1 x USB-C |
| **Battery Life** **Note: This has a huge impact in learning outcomes and poor battery life can cause disruption to classes – charging devices at school is not permitted & should be charged at home each night. It is recommended that devices are rebooted & charged every Sunday night.** | Minimum 3 hours | Minimum 6 hours |

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**Bring Your Own Specified Device (BYOSD) for primary**

For the SISJ BYOSD (Bring Your Own Specified Device) program in 2023, it is highly recommended that all Year 1 to Year 6 students bring an iPad to use in their classes. Please note that a mobile phone is not part of the SISJ BYOSD program. Here are the recommended minimum device specifications for primary Year 1 to Year 6:

| Device Components | Minimum specification | Maximum specification |
|---|---|---|
| IOS | 14 | 16 |
| Storage | 64GB | 128GB |
| Display | 10.2" | 11" - 12.9" |
| Sample device | iPad 9$^{th}$ & 10$^{th}$ generation, iPad Pro | |
| Optional Accessories | Protective case, iPad magic keyboard or Bluetooth keyboard, Apple Pencil | |

*Support is limited to the two most recent major versions of iOS. For example, when a new, major version of iOS is released, the iOS requirement is the new version and the most recent versions that preceded it. The optional Blur my background video effect on iOS requires an operating system of iOS 12 or later, compatible with the following devices: iPhone 7 or later, iPad 2018 (6th generation) or later, and the iPod touch 2019 (7th generation).*

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## BYOSD FAQ's

### Why can't we bring 'any' device?

We need to ensure that the device is capable of doing what our teachers and students need it to do. Having a standard device across SRI KDU Subang International School, helps prevent disruptions to learning resulting from failures or incompatibilities due to equipment that is too old, slow or lacks the necessary components.

### What happens if my child's device is lost or stolen?

Any damage or loss to a device that a student brings to school will be the student's responsibility. The school will not accept responsibility for any loss or damage. We strongly encourage families to consider purchasing insurance and/or extended warranty of the device.

### Will there be an internet filter applied when using the device at school?

While at school, all student internet use is restricted and monitored by the Sri KDU Subang IT department, sites deemed inappropriate, such as, social media or online shopping are blocked by the department without a need to install any software on a student's device.

### My child already has an iPad. Is it suitable to use for the BYOD iPad program?

We require that the iPad has a functioning camera and can be connected to Wi-Fi. The iPad also needs to be able to support up to date iOS software to enable the required apps to be used. Older models of iPads, such as the iPad 1-4 are no longer fully supported by Apple which results in some apps not functioning correctly and mini version iPads are being phased out.

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**How much can I expect the device to be used in class?**

This will depend upon the subject, the topic and the teaching and learning approach being utilised. On some days the use will be heavy and on others less so. The devices are required to enhance the teaching & learning experience, but they do not drive it. All technology is used as a tool for learning.

**What happens if my device malfunctions?**

The school's onsite ICT support technicians will be able to perform simple diagnostics and if the problem is easily rectifiable, then effect basic remedial measures. This would not include repairs to hardware.

**Who is responsible for backing up my data and where do I backup to?**

It is the students / family's responsibility to keep current backups of your device. This should be done at home. The school takes no responsibility for data that is lost on a BYOSD Device. Students are advised to back-up using a method of their own choosing. This includes backing up your device to a USB drive, an external hard drive, SD card, another home computer or a cloud server of your choice.

**Are BYOD devices covered by the school's insurance policy?**

In short, no. Families are encouraged to provide insurance cover if they feel this is necessary.

**Is it necessary for parents to set up iTunes Family Sharing?**

SRI KDU International School Subang Jaya recommends setting up an iTunes Family Sharing account for added protection and control over app purchases and credit card use. iTunes Family Sharing allows parents to attach their child's iTunes account to their own, providing a safeguard against inadvertent app purchases or unauthorized credit card use. When a child initiates a purchase, whether it's for paid or free apps, an alert is sent to the parent's Apple device. The parent can then review the download and choose to approve or decline it. This feature gives parents the ability to monitor and manage their child's app downloads and ensure they align with the family's guidelines and preferences.

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**Is it necessary to activate the Find My iPad feature?**

We highly encourage parents to enable the "Find My iPad" feature for their children's devices. This valuable tool can significantly enhance the safety and security of your child's iPad. The "Find My iPad" feature is an Apple service that allows you to locate a lost or stolen iPad. By enabling this feature, you can track the location of the device in case it goes missing. It also provides additional options to remotely lock the device, display a custom message on the screen, or even erase the device's data to protect sensitive information.