Technological Vanguard

IT needs and equipment

Turtle Bay
International School
مدرسة تيرتل باي العالمية

SEK Education Group is committed to educational innovation as a tool for improvement in our students' learning process. From the day the school opened it strived to embody a groundbreaking educational project.

This ongoing commitment over time means we must continue innovating from different perspectives. One of them is the use of technology as the linchpin of progress.

Below is a summary of the main milestones, from a technological point of view, available to our Educational Community: students, teachers and families.

This 2025-26 school year, students at Turtle Bay International School have a greatly expanded range of technology at their disposal.

The following list of equipment in classrooms and makerspaces is available to our students, including:

- 37 Smart Boards
- 110 laptops
- 105 iPads
- 3 iPad charging carts
- 11 Smart TV's
- 5 HyFlex cameras
- 3D Printer, LEGO Spike Essential, LEGO MindStorm, Arduino, Science Kit, among others

Specifically, the school redoubles its efforts in:

- Cyber security, providing a secure and reliable digital environment. Ensuring a safe and responsible browsing experience within the school network through our filters and security systems with state-of-the-artfirewalls.
- Improving wi-fi connectivity at all our campuses with single sign on and a state-of-the-art bandwidth that allows access to all kinds of educational content.
- Offering the Microsoft Campus Agreement Student Advantage scheme, through which they can enjoy the most innovative tools and services in the cloud linked to education. Some of these tools include:
    - Microsoft 365 (Power Point,Word, Excel, OneNote, Outlook, …).
    - OneDrive for cloud storage.
    - Informal and collaborative learning tools such as Microsoft Teams.
- Free installation of the Microsoft 365 package on up to 5 personal devices (PC, Mac, tablet or mobile phone) for each student (download and installation guide at the end of the document)
- Increase the safe use of technology through antivirus software provided free of charge (download and installation guide at the end of the document)
- Strengthen the MySEK digital ecosystem as a communication platform between the entire educational community that is more stable, more complete, easier to use.
- Advise and accompany students and families in the proper use of technology through face-to-face and online workshops
- **Make sure to read and sign BYOD Agreement.**

MySEK Ecosystem

Within the digital transformation plan, SEK Education Group has developed an entire digital ecosystem in recent years to provide our entire Educational Community with access to relevant information and to be able to carry out the main administrative tasks through a SINGLE digital platform, MySEK, which is made up of different modules:

- MySEK Families: Is a digital school communications space for SEK families where they can follow their children's learning process and manage their child's schooling online.

- MySEK Educational: This is a unique platform developed by SEK Education Group. The platform acts as a hub for both own- and third-party education and technology tools. In this way, all its users -students and teachers- can access a multitude of resources from the same place from the Single Sign On. For further information on MySEK Education.

- MySEK Alumni: SEK Education Group offers all its Alumni members (both from SEK schools and University Camilo José Cela), exclusive advantages offered by its Alumni community and its own services, facilities and activities. More information and registration at: https://alumnisek.es/

Bring your own device programme (BYOD)

From year Grade 3, students work with the Bring Your Own Device (BYOD) scheme, as a catalyst for teaching and learning processes in the classroom. This model assumes that each student will bring to school their own electronic device with which they will follow the contents of the classes, while the school deepens the collaborative use of content creation tools and accessibility to multiple resources and platforms from anywhere, at anytime.

The BYOD model, is increasingly widespread in educational and business environments, allowing greater personalization in access to information, adapting to the pedagogical principles of the school's educational projects and responding to the demands of students, who increasingly appreciate the personalization of learning through their own devices.

Implementation of the BYOD Program

The Bring Your Own Device (BYOD) program is implemented as follows:

- PYP (Grades 3 to 5): Students in grades 3 to 5 will participate in the BYOD program using Apple iPads with keyboards. It is important to note that only Apple iPads will be permitted for this program; other tablet devices such as Android, Google, or Microsoft tablets are not allowed.

- MYP and DP (Grades 6 to 12): Students in grades 6 to 12 will use laptops that meet the technical specifications outlined in the BYOD program letter.

Note: For students in grades 1 and 2, the school will provide an iPad for each student. These devices will not fall under the scope of the BYOD program and will remain under school management.

Students who are part of the BYOD model must:

- Bring their own electronic device from the first days of the beginning of the year.
- Insure the device (recommended) with a policy covering accidents that may occur both on the way to school and within it.
- Follow the recommendations, suggestions and help that teachers and technical staff can give them about the device or software to install/use.
- Make good use of the technology provided by the school, respecting good manners and behaviour and treating their own devices and those of others with care.

In the event that you have to buy a device for your child, we attach the following table with recommended minimum requirements that a device must meet to correctly perform educational tasks. Any device outside these specifications must be tested to confirm its correct operation within the BYOD ecosystem on site at the school itself.

Apple iPad BYOD – ONLY FOR PYP (Grades 3 to 5)

In general, and based on our previous experience in the project, we consider that iPads are the optimum devices for this academic stage.

Important note: Please do not buy any other device that is not Apple (neither iPad Mini). Not Chrome OS, Android OS based or other devices for the BYOD program.

	SPECS	iPad	WHAT FOR?
HARDWARE	MODEL	Minimum - 8th Generation **NOT iPad Mini**	Increases device speed
	STORAGE	124 Gb	Is the minimum sweet spot for students to ensure smooth operation and sufficient storage for at least three years
	SCREEN SIZE	10.2-inch	Good screen size/weight ratio
	PROCESSOR	Apple A12 Bionic	Efficient performance for various tasks.
	NETWORK	Wi-Fi 802.11 a/b/g/n/ac	Ensure Wi-Fi connection quality
	CONNECTIVITY	Bluetooth	For connecting peripherals.
	OTHER	Integrated microphone and rear and front camera	Use of educational tools like Teams
SOFTWARE	OPERATING SYSTEM	iPadOS 17	Better performance, more protection, fewer errors
	OFFICE PACKAGE	Microsoft 365 Apps	Provided by SEK. Integrated set of applications and services.
	ANTIVIRUS	Trend Micro	Provided by SEK.
	EDUCATIONAL APPS	iReady, Kutubee, BravoBravo, Canva, Managebac	Educational apps used at school

LAPTOPS BYOD – ONLY FOR MYP and DP (Grades 6 to 12)

In general, and based on our previous experience in the project, we consider that:

- Computers with Windows or MacOS can be integrated into the BYOD ecosystem.

Important note: Please do not buy Chrome OS based devices and Tablets for the BYOD program.

	TIPO	WINDOWS	MAC	WHAT FOR?
HARDWARE	PROCESSOR	Intel i5 or higher / AMD Ryzen 5 o higher	Intel i5, Apple M1 or higher	Increases device speed
	HDD	SSD 256 Gb or higher	SSD 256 Gb or higher	Increases device speed
	RAM	8 Gb or higher	8 Gb or higher	Enables users to work simultaneously with different applications and processes.
	SCREEN	13"– 15"	13"– 15"	Good screen size/weight ratio
	NETWORK	Wifi b/g/n Recommended Wi-Fi AC	Wifi b/g/n Recommended Wi-Fi AC	Ensure WiFi connection quality
	OTHER	Integrated microphone and camera	Integrated microphone and camera	Use of educational tools like Teams
SOFTWARE	OPERATING SYSTEM	Windows 11 or higher.	MAC OS 13 (Ventura) or higher	Better performance, more protection, fewer errors
	PDF Reader	Acrobat Reader	Acrobat Reader	Reading PDF documents
	VIDEO VIEWER	VLC	VLC	Watching videos
	OFFICE PACKAGE	Microsoft 365	Microsoft 365	Provided by SEK. Integrated set of applications and services.
	ANTIVIRUS	Trend Micro	Trend Micro	Provided by SEK.

FREE SOFTWARE DOWNLOAD AND INSTALLATION

(Parental Control, Antivirus, Microsoft 365)

As a SEK or Camilo José Cela University student, you are offered for free the entire Microsoft 365 package (up to 5 personal devices of students and their families), a complete and activated antivirus license from TrendMicro for personal use and a parental control software program.

Parental control program

We recommend the use of a parental control app. This will allow establishing a family group in a simple and effective way to encourage healthy online habits and manage busy schedules.

Content filters can be set to ensure family members' online time is safe. Set screen time limits that apply to devices, apps, and games. When your screen time runs out, you choose to add more or not, based on what you think is right for you and your family. You can also get information about your children's use of the device inside and outside of school. Our recommendation is Microsoft FamilySafe, it has a free version that covers the main functions to develop healthy digital habits. Click on the following link for more information: Microsoft Family Safety

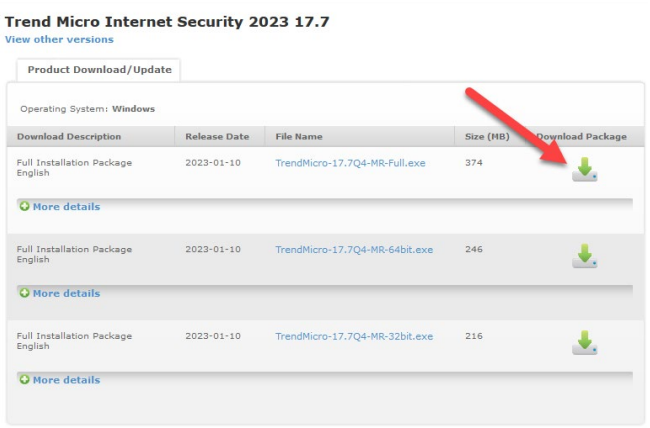
Note: Microsoft Family Safety only supports personal accounts (Gmail, Outlook, Yahoo, etc). It does not support professional or educational accounts.

TrendMicro

To download the software, select this URL and follow the steps below:

https://files.trendmicro.com/products/Titanium/17.8/Global/02052024/TrendMicro_17.8_MR_Full.exe

1- You have to download the latest version of the installer, "InternetSecurity"



2- Click "Yes" if the account control pop up is displayed and wait for the installer to extract the necessary files.

3- After checking the system, it will ask you to restart the computer

4- When prompted, enter this activation code and continue.

Registration code: **PVMP-9999-2376-3075-6072**

5- Read the privacy statement and continue.
6- Accept the license terms and click Install.
7- The TrendMicro Internet Security main console will appear.

Note: From time to time it will be necessary to reset the registration code.

Office365 Package for students

1- To download the Office365 package, you must access it with your SEK or Camilo José Cela University student credentials using an internet browser where we will go to the access portal: ACCESS PORTAL

2- In this new window go to the upper right where a button will appear that indicates "Install Office" and choose the first option to download the entire Microsoft 365 package.

NOTE: By choosing the second option "other installation options" you will be able to see and choose the software to install and also control the number of devices activated from the same account. Remember that you can have Microsoft 365 on up to 5 different devices, including laptop, family PC, mobile (IOS/Android) or tablet.