

### HARDWARE AND SOFTWARE REQUIREMENTS AND CONSIDERATIONS FOR BYOL 2021-2022

“Bring Your Own Laptop” is a new emerging concept, which is rapidly growing in different environments, both in corporate and educational levels. We strongly believe that this new way of working will be very useful for our students.

**The operating system used needs to be Windows 10.** Any other systems governed by macOS, iOS, Android, Windows RT, mobile devices, or **any other type of tablet device are excluded.** We also recommend that the **keyboard has Arabic characters.** Please be reminded that there is **no need to purchase Microsoft Office Suite**, please read below.

We highly recommend **windows tablet device form factor** with touchscreen, stylus, front and rear camera, detachable keyboard, and biometrics. They are the most appropriate devices for our projects and for the way students will be using the device in the classroom.

### ESSENTIAL CONSIDERATIONS (included in partner offers)



#### Protective Casing – Cover or Sleeve

It is required that all BYOL devices have some form of protective casing. This will minimize the likelihood of damage when students move around during classes.



#### Warranty

Make sure you consider purchasing extra warranty to reduce future repair costs as these devices will be used extensively. Extending it to 3 years would be a great value.



#### Insurance (also known as ADP - Accidental Damage Protection)

We know accidents can happen, so we recommend you make sure your policy covers these eventualities. If you are buying a new device, ask the shop if you can add an insurance for the next three years. If you are buying the device outside of Qatar, double check if the insurance is effective worldwide.



#### Device Dimensions

Maximum dimensions (space in locker in superior slot): Width: 28 cm. Depth: 24 cm.

### SOFTWARE REQUIREMENTS (PROVIDED BY SCHOOL – FREE OF CHARGE)

 Windows 10	<b>Windows 10</b> <b>Version 1903 or above</b> <b>(English)</b>	We will be offering a license from the school. In case you do not have Windows 10, please contact the ICT Department.
	<b>Microsoft Office Suite</b>	The school will provide an Office 365 account for each student including a <b>Full Office Suite license (including Outlook, OneDrive, Word, Excel, PowerPoint, OneNote, Access, Teams, and Publisher).</b>
	<b>Antivirus</b>	It is essential to have an <b>antivirus installed in your laptop.</b> If you don't have it, the school will provide one for you.
	<b>Adobe Creative Cloud</b>	Students will start familiarizing themselves with Adobe products. We will provide an Adobe Creative Cloud Account and we will be installing different tools throughout the year.

In the following page, you will find a full-page table regarding **Hardware Requirements**. The table has 2 columns, the minimum requirements for Windows and the blue column, called **Recommended Configuration** which is the advisable configuration you should choose in order to buy a new device, bearing in mind it offers good value between price and performance. ***A device with these specifications is expected to work during the next 3 or 4 years. On the other hand, devices covering only the minimum requirements will be facing problems to run new software in less than a year.***

## HARDWARE REQUIREMENTS



Minimum Requirements

Recommended Configuration

**Operating System** (read previous page)  
*OS language has to be English*

Windows 10 v1903 or higher



**Touch Screen**  
Reasonable Size

**Around 13" is the ideal size** and it adds great balance between usability and battery life. Bear in mind the bigger the screen the shorter the battery life.

**Between 12" and 13"** (2 in 1 device is required)  
Pay attention to the **resolution**, at least **Full HD** (1920x1080) is required.



**Processor**

New **Intel 11<sup>th</sup> Generation** processors are more efficient, and they provide longer battery life.

Intel Core i3 8<sup>th</sup> Generation or higher

**Intel Core i5 or i7 11<sup>th</sup> Generation**



**RAM**

This memory is the one in charge to keep all the applications running. The more things you need to have open, the more capacity you need. Nowadays, 8GB is the standard configuration.

4GB RAM (8GB highly recommended)

**8GB RAM** (16GB ideal for future)



**Storage**

**SSD** (not HDD) – **A SSD (Solid State Drive)** is less susceptible to failure due to movement and bumps as they are solid and not mechanical. Also, they provide better performance and quick response.

256GB SSD or higher

256GB SSD or higher



**Network**

Wireless Connectivity is key to BYOL devices in schools! Devices must support 802.11 b/g/n/ac (Make sure it supports "ac")

Wi-Fi 802.11 b/g/n/ac

Wi-Fi 802.11 b/g/n/ac (ax-WIFI 6 ideal for future)



**Battery**

Minimum 7 hours

The device should be able to run **at least 7 hours** with a decent level of brightness in the screen.



**Stylus**

It should come with the device you are buying (no generic ones).

It is **required**. Students need a stylus to write or draw in their OneNote app which is used in all the classes, every day. Without a stylus, the student may struggle with some activities such as solving Math, and Science problems or drawing in their Visual Art Class.



**Biometrics**

Fingerprint reader or IR Camera compatible with **Windows Hello**.

It is **highly recommended** to secure fast login time.



**Others**

An **integrated Front Camera** and a **microphone** are required with at least **1 USB 3.0 or USB-C**. A **Rear Camera** is highly recommended. Students should bring a **simple headphone** with them, in case they need them for some activities.



**Weight**

Lighter and Compact

It should be light and compact to carry it around.

1 to 1.5 kg.

**Recommend Form Factor:**



**2 in 1 device with detachable keyboard & stylus**