

1. Laptop Specifications (Option 1)

Minimum Technical Specifications for Laptop Devices		
1.	Processor Speed	Up to 2.7GHz or higher (Max frequency) Clock Speed, Dual Core, 1MB L2 Cache or Equivalent
2.	Memory	8GB, DDR4. 1666MHz
3.	Graphics	Integrated Graphics
4.	HDD	128GB Solid State Drive
5.	Wireless Network	802.11 b/g/n/ac – (built in card)
6.	Operating System	Windows 10 Pro (National Academic only) (Standard) 64 bit
7.	Warranty	Three (3) years Parts and Labour - Battery Included
8.	Maximum Weight	3.40 pounds
9.	Display Size	14"-15.6" Full HD Display (1920 x 1080), Anti-Glare Screen
10.	Machine Design	Certification for Durability and Reliability
11.	Machine Build	Aluminium Cover
12.	Software Image Installation	To be completed by vendor inclusive of the MOE's Microsoft Productivity Suite and all related software
13.	Battery Life	12 Hours (minimum) – 3 year warranty
14.	Power Supply	External 60 Hz AC Adaptor (45 watts)
15.	Interface Type	<ul style="list-style-type: none"> · Integrated 2 x USB 3.1 Type A · Integrated 1 x USB 3.1 Type C · Integrated HDMI, · Integrated Audio jack · Security Lock Slot
16.	Productivity Suite	Not Required (The Ministry of Education will provide from MOE's CASA)
17.	Input Device	USB Optical Mouse
18.	Optical Drive	None
19.	Keyboard Type	Spill Resistant, Full Size, English Keyboard Mechanism to Protect Keys from being removed (Please describe)
20.	Speaker Type	Integrated
21.	Webcam	Integrated – 720p HD Webcam
22.	Anti-Virus Software	Not Required (The Ministry of Education will provide)
23.	Exterior Finish	Customized Design provided by the Ministry of Education
24.	Zippered Laptop Bags	Quantity 100 (Can be backpack or shoulder style and must be able to contain the Laptop provided)

2. Laptop Specifications (Option 2)

Minimum Technical Specifications for Laptop Devices		
1.	Processor Speed	Up to 2.48 GHz Dual Core
2.	Memory	4GB
3.	Graphics	Integrated Graphics
4.	HDD	32GB Solid State Drive
5.	Wireless Network	802.11 b/g/n/ac – (built in card)
6.	Operating System	Chrome OS
7.	Warranty	Three (3) years Parts and Labour
8.	Maximum Weight	2.40 pounds
9.	Display Size	11.6”
10.	Machine Build	Aluminium Cover
11.	Battery Life	11 Hours (minimum) – 3 year warranty
12.	Power Supply	Lithium Battery
13.	Interface Type	<ul style="list-style-type: none"> · Integrated 1 x USB 3.1 Type A · Integrated 1 x USB 3.1 Type C · Integrated HDMI,
14.	Productivity Suite	Bundled Google Applications/ Online O365 Access
15.	Input Device	USB Optical Mouse
16.	Optical Drive	None
17.	Speaker Type	Integrated
18.	Webcam	Integrated – 720p HD Webcam
19.	Zippered Laptop Bags	Quantity 60,000 (Can be backpack or shoulder style and must be able to contain the Laptop provided)

3. Tablet Specifications

Minimum Technical Specifications for Tablet Devices		
1.	Network	GSM / HSPA / LTE
2.	Body	243 x 164 x 7.8 mm (9.57 x 6.46 x 0.31 in) 460 g (1.01 lb.) Glass front, aluminum back, aluminum frame Nano-SIM
3.	Display	IPS LCD capacitive touchscreen, 16M colors
4.	OS	Android 8.0 (Oreo)
5.	CPU	Octa-core (4x2.36 GHz Cortex-A53 & 4x1.7 GHz Cortex-A53)
6.	Memory	16GB 2GB RAM, 32GB 3GB RAM
7.	Main Camera	5 MP, f/2.4, AF
8.	Selfie Camera	2 MP, f/2.4
9.	Sound	Yes, with stereo speakers
10.	Communication	Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot
11.	USB	microUSB 2.0
12.	Sensors	Accelerometer
13.	Battery	Non-removable Li-Po 5100 mAh battery