

CHARGING TROLLEY SPECIFICATIONS (20 MOBILE BAY CHARGING TROLLEY)

A.	Functional Requirements
A.1	Charging and storage container for classroom devices: wheeled trolley with 20-bay
A.2	Trolley enabling charging and secure storage and transport of classroom smart devices; sturdy construction with push handles, castors, individual device compartments and a charging port for each device
A.3	Warranty and support included in solution price: countrywide on-site with full coverage (parts and labour for entire solution, including upgrades and accessories) during office hours (7:30 - 17:00). OEM partner will be responsible for providing on-site services
B.	System Properties and Functionality
B.1	Physical characteristics:
B.1.1.	Dimensions: it should be able to accommodate twenty 2-in-1 Tablets and 10 bay trays
B.1.2.	Structural material: 1.6mm mild steel or equivalent
B.1.3.	Top of trolley can be used as workspace or display device
B.1.4.	Push handle on each side of trolley
B.1.5.	Wheels: 4x lockable, full-swivel castors
B.1.6.	Good-quality castors capable of supporting full range of movement and operation, fully-loaded, over expected lifespan of trolley
B.2	Device storage:
B.2.1	Individual storage and charging compartment for each device
B.2.2	Adjustable device trays to support different device sizes preferred
B.2.3	Wheeled trolley with 20 bay that can store 2-in 1 tablet or 14" laptop
B.3.4.	Removable device trays: 2 x 10-bay trays with handles and rubber feet preferred
B.3.5.	Power/charging indicator LED per device
B.3.6.	State min and max sizes and types of device supported (e.g. 2-in-1 tablet, 14" laptop)
B.3	Front doors:
B.3.1.	Material: 1.2mm mild steel
B.3.2.	2-point locking system
B.3.3.	3-point locking system preferred
B.3.4.	Door opening angle: 180+ degrees
B.4	Rear doors:
B.4.1.	Material: 1.2mm mild steel
B.4.2	Coin lock system
C	Security:
C.1	Front and rear door locks as specified above
C.2	Support for additional locking mechanism (e.g. padlock) preferred
C.3	Cooling and ventilation: design must allow sufficient airflow to cool full capacity of charging devices for indefinite period of time
D	Charging ports
D.1	Internal PDU(s) with sufficient capacity for 20 two-pin device charging stations; must support classroom device connectors.

2-IN-1 TABLETS SPECIFICATIONS

CPU	Dual Core 1.2 GHz or faster processor (Quad-Core)
RAM	4G
MEMORY	64GB
.NET Framework version	4.6.1 or later
Operating systems	Windows 10/11
Expandable storage	version: 4.6.1 or later
Wireless Lan	802.11 b/g/n supports 2.4Ghz or higher
Connectivity	Mini HDMI, Bluetooth
Charger	1
Microsoft Office Mobile Apps	Office 365
Appropriate	Coding and robotics software
Screen	Gorilla Glass
Two built-in speakers	2
Full HD	2MP front-facing camera

TABLE 1: Grade 7 (TOR page

RESOURCES PER PROVINCE - YEAR 1 (2022)					
Province	Number of Schools per province	Year 1 Grade 7 20 Coding and Robotics Kits per School	Number of charging mobile trolleys /safes per province	Number of tablets per province	Number of tablets per province
			1 x 20 Bay Charging trolley/safe per school	20 x Two-in-One Tablets per school	1 x Laptop per School
EC	111	2220	111	2 220	111
FS	111	2220	111	2 220	111
GP	111	2220	111	2 220	111
KZN	112	2240	112	2 240	112
LP	111	2220	111	2 220	111
MP	111	2220	111	2 220	111
NC	111	2220	111	2 220	111
NW	111	2220	111	2 220	111
WC	111	2220	111	2 220	111
TOTAL	1000	20 000	1000	20 000	1000