



## List of Educational Equipment Required by TWGHs Schools



### Special Education

No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
<b>TWGHs Tsui Tsin Tong School</b>					
A1	Laser Cutter	To enhance STEM (Science, Technology, Engineering and Mathematics) education. It also allows teachers to create personalized learning aids or daily life assistive devices for students with special needs.	158	1	150,000
<del>A2</del>	<del>Nagado Daiko (1/2)</del>	Nagado Daiko is a traditional Japanese percussion instrument used for daily training, competitions, and performances in the drum team. Through taiko drum training, students enhance their concentration, coordination skills, and team spirit. Additionally, it cultivates students' interest in musical arts, builds self-confidence and develops performance abilities through performance opportunities, therefore promotes whole-person development.	<del>158</del>	<del>5</del>	<del>10,000</del>
<b>TWGHs Kwan Fong Kai Chi School</b>					
A3	75" / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	56	3	69,800

### Kindergarten Education (with a total of 18 kindergartens)

No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
B1	iPad Gen 10 256G Wifi	To enhance interactive and innovative learning, knowledge exploration and students' problem solving skills.	3,899	50	3,999
B2	75" / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	3,899	50	69,800
B3	Macbook Air (M2) 15.3" 8-core CPU 8GB unified memory 256GB SSD Storage	To allow teachers and students use different e-learning elements, such as e-textbooks, downloading exercises, making online learning materials, participating in online interactive learning activities, etc., in order to build interactive learning environment.	3,899	48	10,499

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Primary Education					
No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs Lo Yu Chik Primary School					
C1	3D Scanner	By using a 3D scanner, students can capture a textured image for printing via a 3D printer to conceptualise their idea.	300	1	8,000
C2	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	300	1	73,000
TWGHs Ko Ho Ning Memorial Primary School					
C3	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	200	18	69,800
TWGHs Tang Shiu Kin Primary School					
C4	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	800	1	73,000
C5	3D Scanner	By using a 3D scanner, students can capture a textured image for printing via a 3D printer to conceptualise their idea.	800	1	8,000
TWGHs Sin Chu Wan Primary School					
C6	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	520	5	69,800
C7	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	520	1	73,000

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<b>TWGHs Wong See Sum Primary School</b>					
<b>C8</b>	<b>75 / 85" Interactive Board</b>	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	440	4	69,800
<b>C9</b>	<b>3D Printer</b>	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	440	1	73,000
<b>C10</b>	<b>3D Scanner</b>	By using a 3D scanner, students can capture a textured image for printing via a 3D printer to conceptualise their idea.	440	1	8,000
<b>TWGHs Hong Kong and Kowloon Electrical Appliances Merchants Association Limited School</b>					
<b>C11</b>	<b>75 / 85" Interactive Board</b>	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	460	10	69,800
<b>C12</b>	<b>Laser Cutter</b>	To enhance STEM (Science, Technology, Engineering and Mathematics) education.	460	1	150,000
<b>C13</b>	<b>STEAM Flight Simulator</b>	To enhance school-based curriculum and STEAM (Science, Technology, Engineering, Art and Mathematics) education.	460	1	80,000
<b>TWGHs Yiu Dak Chi Memorial Primary School (Yuen Long)</b>					
<b>C14</b>	<b>3D Printer</b>	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	300	2	73,000
<del><b>C15</b></del>	<del><b>3D Scanner</b></del>	<del>By using a 3D scanner, students can capture a textured image for printing via a 3D printer to conceptualise their idea.</del>	<del>300</del>	<del>1</del>	<del>8,000</del>

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No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs Yiu Dak Chi Memorial Primary School (Yuen Long)					
C16	Laser Cutter	To enhance STEM (Science, Technology, Engineering and Mathematics) education.	300	1	150,000
C17	EduDX Kiosk and System	To integrate running, cycling and skipping training in PE lessons.	300	2	60,000
TWGHs Leo Tung-hai LEE Primary School					
C18	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	300	2	73,000
C19	Laser Cutter	To enhance STEM (Science, Technology, Engineering and Mathematics) education.	300	1	150,000
TWGHs Ma Kam Chan Memorial Primary School					
C20	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	450	1	73,000

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No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs Wong Fut Nam College					
D1	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	1,000	8	69,800
TWGHs Lee Ching Dea Memorial College					
D2	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	300	1	73,000
D3	Laser Cutter	To enhance STEM (Science, Technology, Engineering and Mathematics) education.	300	1	150,000
D4	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	550	12	69,800
TWGHs Chang Ming Thien College					
D5	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	700	6	69,800
TWGHs Chen Zao Men College					
D6	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	700	10	69,800
TWGHs Sun Hoi Directors' College					
D7	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	700	1	73,000
D8	3D Scanner	By using a 3D scanner, students can capture a textured image for printing via a 3D printer to conceptualise their idea.	300	1	8,000
TWGHs Mrs. Wu York Yu Memorial College					
D9	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	750	8	69,800
D10	Micropipette	Students can use it to transfer volumes of liquid in the microliter range for biotechnology experiment and research accurately and precisely, which promote forensic science, DNA fingerprinting, Chinese Medicine Testing activities.	300	2	2,500





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No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs Mrs. Wu York Yu Memorial College					
D11	CO2 Incubator	For cancer cells and STEM cell culture for high-level investigation.	300	1	45,000
D12	Handheld High Precision Laser Engraving Machine	The machine has significantly enrich the creative landscape for students' personal projects. Capable of engraving on a diverse range of materials - including aluminum alloy, stainless steel, and iron. It also effortlessly cuts through wood, bamboo, plastic, acrylic, leather, paper, fabric, felt, and corrugated paper. This versatile tool empowers students to craft intricate works, greatly enhancing the effectiveness of their learning experience.	300	2	7,500
TWGHs Wong Fung Ling College					
D13	Laser Cutter	To enhance STEM (Science, Technology, Engineering and Mathematics) education.	450	2	150,000
TWGHs Yow Kam Yuen College					
D14	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	1,000	6	69,800
D15	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	300	1	73,000
D16	Laser Cutter	To enhance STEM (Science, Technology, Engineering and Mathematics) education.	300	1	150,000
D17	UV Printer	To support students to convert ideas and design into products by using specific software. They can make more models or tools in different shapes or different functions by the UV printer. Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	300	1	50,000
D18	Micropipette	Students can use it to transfer volumes of liquid in the microliter range for biotechnology experiment and research accurately and precisely, which promote forensic science, DNA fingerprinting, Chinese Medicine Testing activities.	300	6	2,500
D19	Sonicator	To employ ultrasonic waves to homogenize samples to extract the proteins for further research.	300	1	20,000
D20	Forensic DNA Fingerprinting Kit and Mini Centrifuge	The working principles of DNA fingerprinting is related to DNA structure and analysis in Biology. The working mechanism of centrifuge can also be explained in the part of centripetal force in Physics.	100	1	7,520

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No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs Yau Tze Tin Memorial College					
D21	75 / 85" Interactive Board	To allow teachers to make lessons fun and engage students by the function of screen sharing for remote learning, file sharing and a built-in whiteboard.	650	5	69,800
TWGHs Kap Yan Directors' College					
<del>D22</del>	<del>Lorentz Force Demonstrator</del>	Students can observe the trajectory of electrons in a uniform magnetic field directly, investigating the factors affecting the size of the Lorentz force on the electrons and measuring its charge-to-mass ratio.	<del>110</del>	<del>1</del>	<del>5,000</del>
D23	Cathode Ray Tube Experiment Kits	Students can observe the trajectory of electrons in a uniform electric field directly, investigating how voltage affects the deflection of the electrons.	110	1	5,000
D24	Wireless Diffraction System with Track	With a wireless diffraction scanner, students can investigate the diffraction and interference patterns when a laser passes through a single slit and gratings.	110	1	5,500
<del>D25</del>	<del>Stereo Microscope</del>	To allow students to observe organisms clearly, encountering them from a different perspective and enhancing their interest in learning. At the same time, senior students can use stereomicroscopes for biological dissection, giving them preliminary experience in research and medical activities.	<del>300</del>	<del>3</del>	<del>1,000</del>
<del>D26</del>	<del>4K wireless Wi-Fi Eyepiece</del>	The high-definition wireless electronic recording device can be connected to different microscopes, allowing teachers to enlarge biological materials for teaching purposes.	<del>300</del>	<del>3</del>	<del>5,000</del>
TWGHs Li Ka Shing College					
D27	Forensic DNA Fingerprinting Kit and Mini Centrifuge	The working principles of DNA fingerprinting is related to DNA structure and analysis in Biology. The working mechanism of centrifuge can also be explained in the part of centripetal force in Physics.	100	1	7,520
D28	3D Printer	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	400	1	73,000
TWGHs Lo Kon Ting Memorial College					
D29	100" Interactive Ultra-short Throw Laser Projector	To allow teachers to make lessons fun and engage students by the function of screen sharing and interactive whiteboard.	600	8	22,000



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No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs CYMa Memorial College					
<del>D30</del>	<del>Micropipette</del>	Students can use it to transfer volumes of liquid in the microliter range for biotechnology experiment and research accurately and precisely, which promote forensic science, DNA fingerprinting, Chinese Medicine Testing activities.	<del>200</del>	<del>20</del>	<del>2,500</del>
<del>D31</del>	<del>3D Printer</del>	To support students to convert ideas and design into 3D products by using specific software. They can make more models or tools in different shapes or different functions by the 3D printer (including metal). Students' creativity and implementation of knowledge from various subjects will be inspired and their learning incentive and effectiveness will be raised.	<del>300</del>	<del>2</del>	<del>70,000</del>
<del>D32</del>	<del>Laser Cutter</del>	To enhance STEM (Science, Technology, Engineering and Mathematics) education.	<del>300</del>	<del>1</del>	<del>150,000</del>
TWGHs Mr. & Mrs. Kwong Sik Kwan College					
D33	Handbell	To allow school to develop handbell team and promote handbell activities.	300	1	50,000
D34	Smart Bike	To facilitate bike training in PE lessons.	300	1	30,000
<del>D35</del>	<del>Sports Bracelet</del>	To measure and monitor students' physical status and increase the effectiveness of physical training.	<del>300</del>	<del>20</del>	<del>300</del>
D36	EduDX Kiosk and System	To integrate running, cycling and skipping training in PE lessons.	300	1	60,000



## Acknowledgement Arrangement



Type of Donation	Acknowledgement on Equipment*	Acknowledgement on TWGHs Website	Acknowledgement in TWGHs Annual Report ^
Educational Equipment	✓	✓#	✓#
Donation of HK\$10,000 or above	—	—	✓

\* Photo of the equipment will be sent to donor for retention once installation is completed. Acknowledgement will be expired upon the disposal of the equipment.

# For donation of equipment of HK\$10,000 or above.

^ For cumulative donation of HK\$10,000 or above within the financial year, TWGHs will arrange acknowledgement in its annual report by the Name of Donor/ Company.

### Remarks :

1. TWGHs will start the procurement procedure of the equipment upon receipt of the sponsorship. Donor will be kept informed of the progress in due course.
2. Function of equipment is not fully enlisted due to limited space. Please contact 1878 333 or 2859 7477 for further details.