



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\$)
TWGHs Tsui Tsin Tong School					
A1	Intelligent 3D Printer	Equipped with AI camera capabilities and advanced technologies, the printer enhances students' programming skills and digital learning abilities, while opening up broader creative possibilities for them.	200	2	20,000
TWGHs Kwan Fong Kai Chi School					
A2	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	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	Laptop Computer	To enable teachers and students to make full use of diverse e-learning elements, such as e-textbooks, online learning resources, interactive online activities, etc., and jointly create an interactive learning environment.	2,877	40	6,000
B2	Tablet	To enhance interactive and innovative learning, foster knowledge exploration, and strengthen students' problem-solving skills.	2,877	40	5,500
B3	Desktop Computer	To support teachers in designing lesson plans and teaching resources, establishing a professional database, and promoting smart teaching practices that enhance overall effectiveness.	2,877	40	7,500



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No.	Name of Equipment	Function	No. of Beneficiary per year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs Li Chi Ho Primary School					
C1	Visualizer	Instantly magnify and display assignments, specimens, or textbooks, overcoming spatial limitations to make lessons more engaging, clarify teachers' explanations, and enhance students' participation.	380	30	3,500
TWGHs Hok Shan School					
C2	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	230	18	69,800
TWGHs Lo Yu Chik Primary School					
C3	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	480	9	69,800
TWGHs Ko Ho Ning Memorial Primary School					
C4	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	200	8	69,800
TWGHs Tang Shiu Kin Primary School					
C5	Apple TV 4K	Students can project the screens of their iPad, iPhone, or Mac onto a large display to share project outcomes and deliver presentations, further enhancing classroom interaction and collaborative learning. Teachers can use Apple Pencil on the iPad to annotate and draw on teaching materials or documents, with real-time synchronization to the large display, making explanations clearer and more effective.	750	8	1,199
C6	AI Humanoid Robot	To support both block-based and Python coding, enabling students to program dances, choreograph action sequences, and explore basic vision recognition, voice interaction, and sensor applications. The robot provides an engaging way to deepen students' understanding of AI principles and programming logic, while fostering creativity and problem-solving skills.	750	10	4,500
TWGHs Sin Chu Wan Primary School					
C7	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	520	5	69,800
C8	3D Printer	To promote STEM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	520	1	73,000



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TWGHs Wong See Sum Primary School					
C9	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	440	4	69,800
C10	3D Printer	To promote STEAM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	440	2	73,000
TWGHs Hong Kong and Kowloon Electrical Appliances Merchants Association Limited School					
C11	Flight Simulator	Through the application of flight simulators, students can engage in specialized courses, STEAM education, and computer science learning activities.	460	1	80,000
C12	Smart Book Machine	Students can borrow books at any time, enriching the reading spirit of the campus.	460	1	30,000
C13	AI Chess Robot	Students can play chess with the robot to enhance both interest and ability.	460	2	5,000
TWGHs Yiu Dak Chi Memorial Primary School (Yuen Long)					
C14	3D Printer	To promote STEAM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	300	2	73,000
C15	Laser Cutting Machine	To allow students to apply creativity in STEM education.	300	1	150,000
C16	EduDX Kiosk and System	With the EduDX Kiosk and System, rope skipping and running can be incorporated into PE classes and cycling training to boost teaching performance.	300	2	60,000
TWGHs Wong Yee Jar Jat Memorial Primary School					
C17	Optical Microscope Kit	Students directly observe organisms to enhance learning interest, while senior students can use stereoscopic microscopes for dissections, gaining initial exposure to scientific research and medical activities.	650	2	4,600
C18	Sky-Watcher Dobsonian SynScan	Students directly observe the Sun, stars, and the Moon while engaging with related astronomy curriculum content.	650	2	11,800



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TWGHs Leo Tung-hai LEE Primary School					
C19	3D Printer	To promote STEM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	300	2	73,000
C20	3D Scanner	By using 3D scanner, students transform physical objects into digital 3D images and convert their ideas into creation with 3D printer.	300	1	8,000
C21	Laser Cutting Machine	To allow students to show creativity in STEM education.	300	1	150,000
TWGHs Ma Kam Chan Memorial Primary School					
C22	3D Printer	To promote STEM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	450	1	73,000
TWGHs Tsoi Wing Sing Primary School					
C23	3D Printer	To promote STEM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	300	2	73,000
C24	Indoor Golf Simulator	Equipped with advanced sensing technology, the simulator allows students to experience golf by swinging in a virtual environment, enhancing both technical skills and strategic thinking while showcasing the integration of sports and technology. Students can also apply mathematical and physics knowledge to analyze swing angles and force, thereby cultivating teamwork, fostering competitive spirit, and promoting life-wide learning.	500	1	180,000



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Secondary Education					
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	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	1,000	8	69,800
D2	3D Scanner	By using 3D scanner, students transform physical objects into digital 3D images and convert their ideas into creation with 3D printer.	850	1	8,000
TWGHs Lee Ching Dea Memorial College					
D3	3D Printer	To promote STEM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	300	1	73,000
D4	Laser Cutting Machine	To allow students to show creativity in STEM education.	300	1	150,000
D5	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	550	12	69,800
TWGHs Chang Ming Thien College					
D6	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	700	6	69,800
TWGHs Chen Zao Men College					
D7	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	750	10	69,800
D8	Forensic DNA Fingerprinting Kit and Mini Centrifuge	To support teachers in explaining the principles of DNA fingerprinting, aligning with the senior secondary biology curriculum on DNA structure and analysis. Furthermore, the working principle of the centrifuge can be applied to the concept of centripetal force in Physics.	750	1	7,520
TWGHs Sun Hoi Directors' College					
D9	LED Wall	To create a highly interactive and engaging STEAM activity environment that fosters students' creativity and collaboration.	700	1	300,000
D10	3D-Texture UV Printer	To support teachers in designing tactile art lesson plans, where students can create braille cards or tactile maps and explore how to design artworks for the visually impaired. This approach goes beyond technology education, serving also as an education in empathy.	700	1	25,000



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TWGHs Mrs. Wu York Yu Memorial College					
D11	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	750	8	69,800
D12	CO2 Incubator	To conduct advanced research through the cultivation of cancer cells and stem cells.	300	1	45,000
D13	High-performance Notebook	High-performance laptops equipped with advanced GPUs and CPUs provide strong support for molecular modeling research. Our school team has ranked among the global top five in the iGEM "Modeling Competition" for two consecutive years, yet the current computing system has constrained research progress. Upgrading the computers will significantly reduce computation time, enabling students to complete protein and chemical structure predictions more efficiently and devote greater focus to learning and innovation.	80	2	30,000
D14	Shaking Incubator	Teachers and students use liquid culture technology to effectively propagate various genetically modified bacteria, supporting both teaching and research.	300	1	15,000
TWGHs Wong Fung Ling College					
D15	Laser Cutting Machine	To allow students to show creativity in STEM education.	450	2	150,000
D16	Multi-sensor Data Logger	Students are able to collect, store, and transmit data from multiple sensors simultaneously for long-term monitoring and analysis of environmental or experimental conditions.	200	7	1,500
TWGHs Yow Kam Yuen College					
D17	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	1,000	6	69,800
D18	Forensic DNA Fingerprinting Kit and Mini Centrifuge	To support teachers in explaining the principles of DNA fingerprinting, aligning with the senior secondary biology curriculum on DNA structure and analysis. Furthermore, the working principle of the centrifuge can be applied to the concept of centripetal force in Physics.	100	1	7,520
TWGHs Yau Tze Tin Memorial College					
D19	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	650	5	69,800



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TWGHs Kap Yan Directors' College					
D20	Multi-colour 3D Printer	In Design and Technology courses as well as STEAM product design teaching, 3D printing can accurately showcase students' design details. By simulating the product development process, it helps cultivate market awareness and entrepreneurial thinking, thereby enhancing overall learning effectiveness.	500	5	8,000
D21	UV Printer	Students can directly print images and text onto different material surfaces, such as wood, metal, and acrylic, to create personalized stationery, phone cases, etc. With the rotary fixture, printing on cylindrical items is also possible, allowing students to demonstrate diverse creativity.	500	1	50,000
D22	100" Interactive AI Digital White Board	With screen-sharing and AI whiteboard, teachers can create a dynamic and engaging digital learning environment that strengthens teacher-student interaction and enhances learning outcomes.	900	2	50,000
TWGHs Li Ka Shing College					
D23	Forensic DNA Fingerprinting Kit and Mini Centrifuge	To support teachers in explaining the principles of DNA fingerprinting, aligning with the senior secondary biology curriculum on DNA structure and analysis. Furthermore, the working principle of the centrifuge can be applied to the concept of centripetal force in Physics.	100	1	7,520
D24	3D Printer	To promote STEM education and develop diverse cross-disciplinary learning activities, students use 3D printers to transform their ideas and designs into tangible forms, producing models and tools of various shapes and functions (including metal). This process stimulates creativity, integrates knowledge across different subjects, and enhances both learning interest and effectiveness.	400	1	73,000
TWGHs Lo Kon Ting Memorial College					
D25	100" Interactive Ultra-short Throw Laser Projector	Equipped with screen-sharing and interactive whiteboard functions, it helps teachers create lively, engaging, and attractive classrooms.	600	6	22,000
TWGHs CYMa Memorial College					
D26	75" / 85" Interactive Board	Equipped with screen-sharing and file-sharing functions, it helps teachers create dynamic and inspiring classrooms.	420	12	69,800



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TWGHs CYMa Memorial College					
D27	Mac Studio M3 Ultra (32-core, CPU 80-core GPU, 512GB Memory, 2TB SSD)	To establish a school-wide local Artificial Intelligence / Large Language Model (LLM) server: (1) Set up an AI server for students to learn the operating principles of artificial intelligence in Computer / ICT subjects and to develop AI projects; (2) Enable teachers, teaching assistants, and administrative staff to efficiently process and organize confidential school data, including student personal information and other record, without uploading such data to third-party servers.	420	1	69,000
TWGHs Mr. & Mrs. Kwong Sik Kwan College					
D28	MiniOne PCR System	By operating the Polymerase Chain Reaction (PCR) system, students can master DNA extraction and amplification techniques, further enhancing their experimental skills and practical abilities. The PCR process involves hypothesis formulation, experimental design, data collection, and conclusion analysis, all of which strengthen students' scientific methodology. Students can also explore the applications of PCR in innovative research areas such as genetic engineering and cloning techniques, inspiring deeper interest in the biological sciences.	220	6	20,000
D29	Pottery Kiln	Through pottery learning and creation, students cultivate creativity and artistic expression while acquiring practical skills. Beyond ceramics, the pottery kiln can also be applied to materials such as glass and jewelry, further broadening students' artistic horizons.	250	1	65,000

♥ 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.