

The 25th Hong Kong Youth Science and Technology Innovation Competition - Winners

**Science Fiction Drawing ( Kindergarten )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	KD0010	火災烈星	Hong Kong Young Women's Christian Association Tai Hon Fan Nurser	Au Hon Fan	K3	M	First Prize
2	KD0007	智能玩具數量	Pui Ching Primary School (Kindergarten)	Yeung Hiu Lok	K2	M	Second Prize
3	KD0008	與動物做朋友	Munsang College Kindergarten	Yip Pak Yin	K3	M	Third Prize
4	KD0005	海洋垃圾機械魚	Sheng Kung Hui Kindergarten	Tong Chung Lai	K3	M	Merit Award
5	KD0006	我的未來小管家	Pui Ching Primary School (Kindergarten)	Wong Ching Wan	K3	F	Merit Award
6	KD0009	海洋垃圾收集器	St Paul's Catholic Day Nursery	Leung Ching Sum	K2	F	Merit Award
7	KD0011	Bad to good chef	Fanling Baptist Church Lui Ming Choi Kindergarten	Pang Sheung Yu Cherie	K3	F	Merit Award
8	KD0012	夢幻樂園	Sheng Kung Hui Kindergarten	Ma Hei Yu Kala	K3	F	Merit Award
9	KD0013	夢想的家	T.w.g.hs. Ko Teck Kin Memorial Kindergarten	Ho Nok Sum	K3	F	Merit Award
10	KD0014	流浪動物的家	Guideposts Kindergarten (Tuen Mun Branch)	Lee Yuen Ho	K3	M	Merit Award

**Science Fiction Drawing ( Primary School )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	PD2602	Melting Miracle	Tai Po Old Market Public School	Wong Chin Ching	P6	F	First Prize
2	PD0087	天氣轉移機	St. Paul's Co-educational College Primary School	Wong Hei Yi	P7	F	Second Prize
3	PD2057	超智能燈柱	St. Paul's Co-educational College Primary School	Ng Tin Sum Edna	P1	F	Second Prize
4	PD0016	智能便椅	St. Paul's Co-educational College Primary School	Yeung Yin Hei Ailly	P3	F	Third Prize
5	PD0142	記憶雲端儲存器	St. Stephen's Girls' Primary School	Li Hei Ming Athena	P6	F	Third Prize
6	PD2603	Tree Scope	Tai Po Old Market Public School	Wong Chin Yu	P6	F	Third Prize
7	PD0031	未來可期	St. Paul's Co-educational College Primary School	Wong Yuk Yin, Laurentia	P5	F	Merit Award
8	PD0140	新型養老院	St. Paul's Co-educational College Primary School	Yung Tsoi Tsit Agnes	P6	F	Merit Award
9	PD2736	天空城	St. Mary's Canossian School	Lo Sze Nga Cecilia	P6	F	Merit Award

### Science Fiction Drawing ( Junior Secondary School )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	SJD0060	Roll to 2040	HKUGA College	Yu Tsz Yin	S1	F	First Prize
2	SJD0110	量子轉換傳輸網絡	CCC Yenching College	Wang Cheuk Hang	S3	M	Second Prize
3	SJD2023	Exploitation of the Universe	St. Paul's Convent School	Leung Sze Chai Athena	S1	F	Second Prize
5	SJD0077	Life on Enceladus	HKUGA College	She Tsz Hin	S1	M	Third Prize
8	SJD0100	非凡列車救地球	Good Hope School	LEUNG CHING CHING	S2	F	Third Prize
9	SJD2461	未來新城市	Queen's College Old Boys' Association Secondary School	CHAU HAU YAU	S2	F	Third Prize
4	SJD0057	Future space in 2100	HKUGA College	Sin Ching Kiu	S1	M	Merit Award
6	SJD0093	未來城市	CCC Yenching College	CHOI HIU LAM	S1	F	Merit Award
7	SJD0098	未來星球	HHCKLA Buddhist Ma Kam Chan Memorial English Secondary School	Guan Wing Shuen	S3	F	Merit Award
10	SJD2465	蟲洞·超越時空·時間旅行	Queen's College Old Boys' Association Secondary School	TAM YAN TING	S2	F	Merit Award

### Science Fiction ( Primary School )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	PF0040	一次秘密旅行	Po Leung Kuk Horizon East Primary School	JIANG SUI KIT JACK	P6	M	First Prize
2	PF0006	彩虹打印機	Heep Yunn Primary School	Esther Lee	P4	F	Second Prize
3	PF0021	明日水世界	King's College Old Boys' Association Primary School No.2	Chow Hei Shun	P6	M	Third Prize
4	PF0005	50億公里回家路	Pui Ching Primary School	Ethan GUO	P2	M	Merit Award
5	PF0012	九子大戰狐狸精	Pui Ching Primary School	Ernest Chiang Yat Chun	P6	M	Merit Award
6	PF0014	凍土下的碎片	CCC Kei Faat Primary School (Yau Tong)	GUO CHEUK KIU	P4	F	Merit Award
7	PF0018	冰淚	Pui Ching Primary School	Yeung Hiu Yuet	P4	F	Merit Award
8	PF0024	尋找新星球	Pui Ching Primary School	li Yan Ming	P4	M	Merit Award
9	PF0028	月球上第一單殺人事件	Chan's Creative School	LEUNG LAI	P6	F	Merit Award
10	PF0030	海洋之謎	Po Leung Kuk Camões Tan Siu Lin Primary School	Poon Chin Tung Olivia	P2	F	Merit Award

### Science Fiction ( Junior Secondary School )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	SJF2035	完美的我	The Chinese Foundation Secondary School	Tam Ching Yan	S3	F	First Prize
2	SJF2011	智慧	The Chinese Foundation Secondary School	Chan Ho Yu	S2	M	Second Prize
3	SJF0045	承諾	CCC Yenching College	CHAN KWUN YU	S3	M	Third Prize
4	SJF0008	細菌战争	HKUGA College	Ho Kwai Chi Chloe	S2	F	Merit Award
5	SJF0016	太空旅行	CCC Yenching College	Fung Chi Long	S3	M	Merit Award
6	SJF0029	外星記	CCC Yenching College	CHUNG WAI HANG	S3	M	Merit Award
7	SJF0055	星球大戰	CCC Yenching College	YAU PAK LAM	S3	M	Merit Award
8	SJF0060	時光電視機	Queen's College Old Boys' Association Secondary School	LAM HAU WA	S2	F	Merit Award
9	SJF2010	小機器人	The Chinese Foundation Secondary School	Yang Tsoi Yan	S2	F	Merit Award
10	SJF2029	統治	The Chinese Foundation Secondary School	Lin Wai Pang	S3	M	Merit Award

### Science Fiction ( Senior Secondary School )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	SSF2011	亞特蘭提斯	The Chinese Foundation Secondary School	Chan Kai Tin	S4	M	First Prize
2	SSF2003	自由與少女	The Chinese Foundation Secondary School	Lau Ka Him Adrian	S6	M	Second Prize
3	SSF2007	地球看守者	Buddhist Wong Wan Tin College	WU IN KI	S5	F	Third Prize
4	SSF0003	孤獨的側面	St. Paul's Convent School	Lam Tsz Yiu Rachel	S5	F	Merit Award
5	SSF0008	空時外的愛	Yuen Long Merchants Association Secondary School	WANG CHUN WING	S5	M	Merit Award
6	SSF2001	永生花	The Chinese Foundation Secondary School	Lui Sze Shuen	S5	F	Merit Award
7	SSF2008	循環	The Chinese Foundation Secondary School	Cheuk Ching Yat	S5	M	Merit Award
8	SSF2010	死區	The Chinese Foundation Secondary School	Pang Cheuk Lam	S5	F	Merit Award
9	SSF2012	複製人	The Chinese Foundation Secondary School	Ho King Lam	S4	F	Merit Award
10	SSF2016	二世界	The Chinese Foundation Secondary School	Koo Sheung Lam	S5	M	Merit Award



## Secondary School Research and Invention ( Junior Secondary School\_Mathematics, Physics and Engineering )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJP0016	Triboelectric Nanogenerator for Water Disinfection	Carmel Pak U Secondary School	AU YEUNG WING TIM	S3	M	CHAN CHEUK YIN	S3	M	TSUI HEI CHIT	S3	M	First Prize
2	SJP0013	Massage seat cushion for wheel chairs	Lok Sin Tong Yu Kan Hing Secondary School	LUI NGA MAN	S3	F	NGAI CHI WAI	S3	F	YUEN TSZ LOK	S3	M	Second Prize
3	SJP0007	Reminder Pen	S.K.H. Li Ping Secondary School	CHENG LOK YI	S3	F	YEUNG CHI	S3	F	YEUNG SIN	S3	F	Third Prize
4	SJP0001	21th Century Smart Toilet	Heung To Secondary School (Tseung Kwan O)	Cheng Hiu Fung	S3	M	Hui Paak Hung	S3	M	Li Ching Yu	S3	M	Merit Award
5	SJP0004	walking stick-sharing system	Fanling Rhenish Church Secondary School	SO Ho Chun	S2	M	WONG Shun Wang Viol	S2	M	YUEN Pak Hei	S2	F	Merit Award
6	SJP0005	To look for the proportion between isopropanol and water for the best cooling effect in a room	The Chinese Foundation Secondary School	Tsoi Yee Kwan	S2	F	Yau Ming Chun Jeffrey	S2	M	Yuen Kin Hei	S2	M	Merit Award
7	SJP0008	Safety Hair Dryer	S.K.H. Li Ping Secondary School	LAM LOK YI	S3	F	LO TSZ CHING	S3	F	HUNG CHEUK HEI	S3	M	Merit Award
8	SJP0009	Drink, Not Drip	St. Mark's School	CHAN Lok Yan	S3	F	LI Tsz Hei	S3	M	LI Pui Hiu	S3	F	Merit Award
9	SJP0011	Scald Prevention Device	The Chinese Foundation Secondary School	Chan Pak Yin Duncan	S3	M	Kee Leo Cheuk Lai	S3	M	Kwong Ching Ho	S3	M	Merit Award

## Secondary School Research and Invention ( Senior Secondary School\_Mathematics, Physics and Engineering )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SSP0007	Improving the effectiveness of osteogenic stimulation using micro motion	Sha Tin College	Panav Kalra	S4	M	/	/	/	/	/	/	First Prize
2	SSP0013	A hybrid robotic grasping system using pressure feedback for fragile objects handling and sorting	Chinese International School	Yunxi Zhao Dora	S4	F	/	/	/	/	/	/	Second Prize
3	SSP0015	Relationship between the aperture size and depth of field of lens camera	ELCHK Lutheran Academy	Angus Cheung	S6	M	/	/	/	/	/	/	Third Prize
4	SSP0004	Care of you	Heung To Secondary School (Tseung Kwan O)	Chau Hei Yan	S4	F	Lee Hoi Ching	S4	F	Deng Kit Ki	S5	F	Merit Award
5	SSP0005	Kitchen Eye	Heung To Secondary School (Tseung Kwan O)	Chan Kin Wang	S5	M	Tse Sau Kon	S5	M	Du Jiayi	S5	F	Merit Award
6	SSP0008	STEM Smart Campus IoT Smart Light Switch	Cognitio College ( Kowloon )	Ma Tsz Him	S4	M	Poon Yuen Ning	S4	F	/	/	/	Merit Award
7	SSP0009	Traffic Bollard & Kickboard	S.K.H. Li Ping Secondary School	TSIU CHING HIN	S4	M	CHI WANG HEI	S4	M	/	/	/	Merit Award
8	SSP0014	The Correlation between the length on a pendulum and its Q factor	ELCHK Lutheran Academy	CHAN Isaac	S6	M	/	/	/	/	/	/	Merit Award
9	SSP0016	Pressure sensor for detecting loosing nuts	CUHKFAA Thomas Cheung Secondary School	Tsang Hing Ho	S5	M	Wong Hei Yu	S5	M	/	/	/	Merit Award
10	SSP0018	Guiding shoes	Sing Yin Secondary School	Li Tsun Wai	S5	M	Lei Yat Ming	S5	M	Pak King Tai	S5	M	Merit Award

## Secondary School Research and Invention ( Junior Secondary School\_Chemistry and Materials )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJC0007	Mega copper	Christian Alliance S W Chan Memorial College	Fong Miu Ching	S3	F	Wong Hung Wai	S3	F	Wang king man	S3	F	First Prize
2	SJC0001	FireFibre	Victoria Shanghai Academy	Ng Zhi Zhen Valerie	S3	F	Leung Chun Po Lucas	S3	M	/	/	F	Second Prize
3	SJC0002	Water Filter from Face Masks - Solving a Recycling Problem of Global	The Chinese Foundation Secondary School	Lin Tsz Ham Paul	S2	M	Lo Tak Shun	S2	M	Lui Pok Sin	S2	M	Third Prize
4	SJC0003	Chemical Restructuring: Ameliorating and Refining Drainage Cleaners	Pui Ching Middle School	Marcus Lau	S2	M	CHAN, Gabrielle Hoi Ying	S2	F	/	/	F	Merit Award
5	SJC0004	Iron Rust Reformer	The Chinese Foundation Secondary School	Cheng King Man Marcus	S2	M	Lam Kin Sing	S2	F	Chan Anson	S2	M	Merit Award
6	SJC0005	Sit Properly	Man Kwan Pak Kau College	KWOK YAT SING	S1	M	Ho Lewis	S1	M	LiuKinHei	S1	M	Merit Award
7	SJC0006	Handcrafted drink--whether the colour of drinks affect health	The Chinese Foundation Secondary School	Siu Siu Tung	S2	F	Sun Annie Jia Yi	S2	F	Wong Cheuk Ying	S2	F	Merit Award

## Secondary School Research and Invention ( Senior Secondary School\_Chemistry and Materials )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SSC0004	Antimicrobial edible bio-disposables of kombucha of fruit skins with chitosan coating (KFC)	Carmel Pak U Secondary School	CHOI YAU NAM	S5	M	SO KA HEI	S5	M	NG KIN KWAN	S5	M	First Prize
2	SSC0022	Fan 'trash' tic Bagasse	St. Paul's Convent School	Chan Si Ching Vanessa	S5	F	Law Ho Suet Hilary	S5	F	So Yuen Ching Katie	S5	F	Second Prize
3	SSC0012	An Eco-friendly Way to synthesize Silver-nanoparticle Antibacterial Film	Hong Kong Chinese Women's Club College	Wan Sze Chit	S4	M	Wang Chun Yui	S4	M	Choy Tsz Kin	S4	M	Third Prize
4	SSC0001	Investigation of replacing strong alkalis with porcine pancreatic lipase in	Daughters of Mary Help of Christians Siu Ming Catholic Secondary School	Zhang Yuehan	S4	F	Ngan Sau Laam	S4	F	Kwong Cho Ying	S4	F	Merit Award
5	SSC0003	Mycopack	HKUGA College	Chan Ngo Lam	S5	F	Tsui Yuen Chak	S5	M	/	/	/	Merit Award
6	SSC0005	Noval green synthesis of silver nanoparticles by PVA and application on antibacterial coating	Ma Kam Ming Charitable Foundation Ma Chan Duen Hey Memorial College	Cheng Yuen Long	S5	M	Singh Armaan	S5	M	Ip Ho Nam	S5	M	Merit Award
7	SSC0006	Happy Clinch	Shun Tak Fraternal Association Leung Kau Kui College	Yeung Wai Lim	S5	M	Hung Tsz Ching	S5	F	Yeung Chun Him	S5	M	Merit Award
8	SSC0007	MagNano	St. Paul's Convent School	Kam Tse Man Charmayne	S5	F	Wong Hoi Luen Jasmine	S5	F	Lau Fook Wai	S5	F	Merit Award
9	SSC0013	Pineapple Leaf Fibre in Biodegradable Plastic	HKUGA College	Ting Chung Kei Bianca	S5	F	Yuen Tin Wai	S5	F	Mok Hei Yi Gyneth	S5	F	Merit Award
10	SSC0015	葉墨	Kwun Tong Kung Lok Government Secondary School	CEN YIN CHI	S5	M	LAU CHEONG	S5	M	FU JIAHAO	S5	M	Merit Award

## Secondary School Research and Invention ( Junior Secondary School\_Biology and Health )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJB0010	Face Recognition System Designed for Macaca mulatta based on	Han Academy Chinese International School	Lui Chi Yuen	S3	M	Lu Ada Yingtan	S3	F	/	/	/	First Prize
2	SJB0001	The Impact of Household Cooking Methods on the Racemization of Selected	King's College	Marcus Hok Yin CHEUNG	S2	M	TAM Man Shun	S2	M	/	/	/	Second Prize
3	SJB0004	Task B	The Chinese Foundation Secondary School	Li Chin Wang	S3	M	Xu Nuoyer	S3	F	Yung Wai Ho	S3	M	Third Prize
4	SJB0002	Juice for you, leukemia	The Chinese Foundation Secondary School	Lee Siu Him Cedric	S2	M	Lee Siu Him Cedric	S2	M	Tang Hui Yin	S2	M	Merit Award
5	SJB0003	Leukemia: Enough Ginger to Combat?	The Chinese Foundation Secondary School	Ko Pak Kiu	S3	M	Ko Pak Kiu	S3	F	Wong Cho Yan	S3	M	Merit Award
6	SJB0005	Food Therapy for Hepatic Cancer Patients	The Chinese Foundation Secondary School	Au Shi Long	S3	M	Au Shi Long	S3	M	Lee Cheuk Fung	S3	M	Merit Award
7	SJB0017	Wound Healing Dressing	The Chinese Foundation Secondary School	Yu Wing Hin	S3	M	Yu Wing Hin	S3	M	Hui Chun Hei	S2	M	Merit Award
8	SJB0019	AR cultural guide	Buddhist Sum Heung Lam Memorial College	Chan Chun Yiu Wesley	S3	F	Chan Chun Yiu Wesley	S3	F	Choi tsz yan	S3	F	Merit Award
9	SJB0025	Plant meat – use natural plant fiber and protein gluten to imitate meat	Lock Tao Secondary School	Chan Ngo Yiu Yoyo	S3	M	Chan Ngo Yiu Yoyo	S2	F	Yim Hoi Wing	S3	M	Merit Award
10	SJB0018	Regeneration and Microplastic	Man Kwan Pak Kau College	CHEONG Yat Hei Oscar	S3	M	CHEONG Yat Hei Oscar	S2	F	WOO Cheuk Hin	S2	F	Merit Award



## Secondary School Research and Invention ( Junior Secondary School\_ Energy and Environmental Science )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJE0005	Upcycling of Abandoned Beehives	The Chinese Foundation Secondary School	Chan Shun Chit	S2	M	Po Hong Yin	S2	M	Chan Pui Lam Penny	S2	F	First Prize
2	SJE0002	Adsorption of Air Pollutants with Micro-Algae	St. Paul's Convent School	Mavis Sei Shun Man	S3	F	Kelly NG SUM YI	S3	F	Elly Wong Hoi Tung	S3	F	Second Prize
3	SJE0004	Eco-wrap	St. Mark's School	KO Victoria Chung Man	S2	F	ZHOU Tian Qi	S2	F	/	/	/	Third Prize
4	SJE0007	Clams - The Mini Water Cleaning Biofactory In Removing Microplastics In The Ocean	The Chinese Foundation Secondary School	Nip Ka Ching Adrian	S3	M	Chan Yee Ching	S3	F	Chau Sing Yin	S3	F	Merit Award

## Secondary School Research and Invention ( Senior Secondary School\_ Energy and Environmental Science )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SSE0002	AgNPs and Natural dye-sensitized TiO2 NPs-catalyzed photo-oxidation in	King's College	Wan Wai Long	S4	M	Chu Wai Pak	S4	M	Lui Sui Hoi, Rex	S4	M	First Prize
2	SSE0003	Anti-forma Chitogel	Carmel Pak U Secondary School	WU GUOJUN	S5	M	WONG WAI KI	S5	M	/	/	/	Second Prize
3	SSE0011	A Study on Diving Behaviors of Macaca mulatta in Hong Kong: Implications	Harrow International School Hong Kong Chinese International School Victoria Shanghai Academy	LIN SHANSHAN	S4	F	ZHAN Yeuk Tong Rita	S4	F	WEI SHI YAO	S5	F	Third Prize
4	SSE0005	Usage of Piezoelectric Effect to Generate Electricity with Sound	HKUGA College	Elson Wong	S5	M	Yang Long	S5	M	Matthew Yeung	S5	M	Merit Award
5	SSE0010	Phytoremediation of Textile Dye by Phyllanthus Fluitans (Apple Duckweed)	Po Leung Kuk Ngan Po Ling College	Cheng Wui Lim	S5	M	Chong Shing Chung	S5	M	Cheng Chun Ho	S5	M	Merit Award
6	SSE0015	Power Plant in Plant by Rhizodeposition	Pui Ching Middle School	Kwan Chi Ki	S4	F	Chow Wing Sum	S4	F	/	/	/	Merit Award
7	SSE0016	World of Mycelium	St. Paul's Convent School	Jiang Ka Yu	S4	F	Chan Sum Yiu	S4	F	/	/	/	Merit Award
8	SSE0018	Microplastics Investigation	Queen Elizabeth School Old Students' Association Secondary School	Lee Sze Yuen	S4	M	Wu Cheuk Lam	S4	F	Chung Tsoi Ling	S4	F	Merit Award
9	SSE0020	Research topic: Deep saline aquifers CO2 capture and storage system	La Salle College · Diocesan Girls' School · Diocesan Girls' School	Lu Runbo	S4	M	Lau Yan Yu	S4	F	LEE Hei Tung Christy	S5	F	Merit Award

## Secondary School Research and Invention ( Junior Secondary School\_ Computer Science and Information Technology )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJ10013	An Innovative and Interactive Computer Input System	Chiu Chow Association Secondary School	Yeung King him	S3	M	/	/	/	/	/	/	First Prize
2	SJ10011	Smart Site For Safety	Fung Kai No.1 Secondary School	She Man Yiu	S3	M	Xiao Nga Tan	S3	F	Lam Tsz Ngo	S3	M	Second Prize
3	SJ10005	Kid-AID	St. Mary's Canossian College	Chow Sze Lok	S3	F	Fu Sze Ching	S3	F	Ho Julianne	S3	F	Third Prize
4	SJ10004	Barrier-free shopping	Fanling Rhenish Church Secondary School	HUANG Hon Yan	S3	M	DU Yeung	S3	M	JIANG Ki Yau	S3	M	Merit Award
5	SJ10006	AI Historical Building Conservation	St. Mary's Canossian College	Wong Pik Wai	S2	F	Amanda Tong	S2	F	Wong Yin Kiu	S2	F	Merit Award
6	SJ10009	Walk with me in VR	Buddhist Sum Heung Lam Memorial College	Au Shuk Wun	S1	F	Wu Annabelle	S1	F	Yip Ching	S1	F	Merit Award
7	SJ10012	AI見錢看眼	Shun Tak Fraternal Association Yung Yau College	YimWanTung	S2	F	Tse Jennifer	S2	F	XueYuanxi	S2	F	Merit Award
8	SJ10015	Soul of Taekwon	Lok Sin Tong Yu Kan Hing Secondary School	YAM CHEUK YIU	S3	F	WANG SZE CHING	S3	F	LIN KA YAN	S3	F	Merit Award
9	SJ10022	Smart sitting posture orthosis chair	Buddhist Mau Fung Memorial College	Hui Tsz Him	S3	M	Chiu Tsz Shing	S3	M	/	/	/	Merit Award

## Secondary School Research and Invention ( Senior Secondary School Computer Science and Information Technology )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SSI0002	QiruiPay	The Independent Schools Foundation Academy	Yuqi Sun	S4	M	Harry Wang	S4	M	/	/	/	First Prize
2	SSI0038	AI'Sight 2.0: An AI-powered Object Detector for the Visually-impaired	The Chinese Foundation Secondary School	Pong Yat Long Cyrus	S4	M	Pong Cheuk Long Hayden	S4	M	Lee Kin Hang	S4	M	Second Prize
3	SSI0025	AI Beach ClearBot	Fung Kai No.1 Secondary School	Cheung Yu Pan	S4	M	Liu Cheuk Yi	S4	F	Cheung Hon Lam Alfred	S4	M	Third Prize
4	SSI0004	Disentanglement of Latent Factors of Hand Shape for Sign Language	Discovery College	Park Jae Won	S4	M	/	/	/	/	/	/	Merit Award
5	SSI0008	Investigation of AI traffic system through simulation and IoT Integration	CNEC Christian College	Ng Tsun Kiu Marcus	S4	M	Tsui Chi Tang	S4	M	Wan Pak Lam	S4	M	Merit Award
6	SSI0023	Oral Treatment	Christian and Missionary Alliance Sun Kei Secondary School	Ng Kwan Yu	S4	M	CHAN MAN CHING	S4	F	Ho Kai Fung Clarence	S5	M	Merit Award
7	SSI0024	Rejuvenating Our Neurodiversity with AI: DyspraxiaNoMore!	The Chinese Foundation Secondary School	Cheung Ka Yu Shana	S4	F	Lai Pok Yin Ian	S4	M	Yung Wai Ho	S4	M	Merit Award
8	SSI0026	Unlimited DanSing (Fitness Version)	Lok Sin Tong Yu Kan Hing Secondary School	CHAN KAM KWAN	S5	M	YU HOI LAM	S5	F	/	/	/	Merit Award
9	SSI0032	Industrial Wastewater Treatment System	Diocesan Girls' School	Lau Yan Yu	S4	F	Au Cheuk Yi	S4	F	Chan Hoi Chi Galie	S4	F	Merit Award
10	SSI0037	CATCHIT	Man Kwan Pak Kau College	CHAN CHUNG WING	S5	M	CHAN YING HO	S5	M	CHIU HOI CHING	中五	F	Merit Award

## STEAM Activity

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SA0006	海洋與我	The Chinese Foundation Secondary School	Chan Tsz Yu	S5	F	Kong Po Hin	S5	F	Leung Hai Yan	S5	F	First Prize
2	SA0009	Pioneering Program to Promote Urban and Environmental Sustainability	The Chinese Foundation Secondary School	Yung Sheung Chi	S4	M	Yeung Ching Tak Douglas	S4	M	Chan Hoi Ching	S4	F	Second Prize
3	SA0005	日藝DIY	Maryknoll Fathers' School	Cao Chin Ho	S4	M	Yip Pak Ming	S4	M	Kok Tsun Long	S4	M	Third Prize
4	SA0004	「科」「燃」	The Chinese Foundation Secondary School	Cheung Pak Yu	S4	F	Cheung Chun Yin	S4	M	Chan Kai Tin	S4	M	Merit Award
5	SA0007	改「豆」換面	HKSYC&JA Wong Tai Shan Memorial College	Tse Hoi Yan	S5	F	Lau Ka Hei	S5	F	Chik Ka Wing	S5	F	Merit Award
6	SA0008	醫智通	S.K.H. Kei Hau Secondary School	Tsang Wai Kuen	S4	F	To Man Him	S4	M	Chau Wang Ming	S4	M	Merit Award
7	SA0010	利用 "Imagination - Creativity -TechActive (ICT)" 方針從 ICT 學習者到夢想飛行者	The Chinese Foundation Secondary School	Tsang Kin Ying	S5	F	Pun Ian W.	S5	M	Chan Fung Wa	S5	M	Merit Award

## STEAM Teacher

No.	Project No.	Name of Project	School	Name	Gender	Award
1	TO0006	跨學科人工智能基礎原理課程	Notre Dame College	Pang Ka Wai	M	First Prize
2	TO0017	「科學求真」STEAM鑑證科學計劃	TWGHs C.Y.Ma Memorial College	Lam Ka Jin	M	Second Prize
3	TO0008	創意STEAM防疫專題課程—3D打印口罩	Christian Alliance S W Chan Memorial College	Tsang Cheung Chun	M	Third Prize
4	TO0003	STEM教學、創科成果和生涯規劃聯合教案—學生成長之路	Heung To Secondary School (Tseung Kwan O)	Wong Tung Shek	M	Merit Award
5	TO0004	歡樂校園	Ho Ming Primary School (Sponsored by Sik Sik Yuen)	Ning Kon Ying	M	Merit Award
6	TO0010	強化編程元素—以「人工智能」貫穿STEM與正向教育	St. Matthew's Lutheran School (Sau Mau Ping)	Hung wai lam	M	Merit Award
7	TO0016	萬里望「科」「心」	The Chinese Foundation Secondary School	Chan Ching Ki	F	Merit Award
8	TO0020	AI智能濾水器—CPS	Po Leung Kuk Horizon East Primary School	Mak lai yan	F	Merit Award
9	TO0021	<測量生理訊號學習人工智能> 教學方案	S.K.H. Kei Hau Secondary School	LAU TSZ KIN	M	Merit Award
10	TO0024	從分子料理中學習STEM	Lock Tao Secondary School	KWOK KA LEE	F	Merit Award

### STEAM Teaching Aids

No.	Project No.	Name of Project	School	Name	Gender	Award
1	TT0005	基於 Micro:Bit / ESP32 CAM 的微型養殖器	Ling Liang Church E Wun Secondary School	Leung Chi Wang	M	First Prize
2	TT0002	校本人工智能課程學習套件	Ho Ming Primary School (Sponsored by Sik Sik Yuen)	Ning Kon Ying	M	Second Prize
3	TT0001	創意STEM活動教材套件	Heung To Secondary School (Tseung Kwan O)	Wong Tung Shek	M	Third Prize
4	TT0004	神農秤2.0	Ma On Shan St. Joseph's Primary School	Kwan Tsz Him	M	Merit Award
5	TT0008	智能感應器	C.C.C. Kei Wan Primary School (Aldrich Bay)	Wong Yiu Kwan	M	Merit Award
6	TT0009	編程對戰卡牌	HHCKLA Buddhist Leung Chik Wai College	Huang Hok Hoi	M	Merit Award

### Outstanding STEAM School ( Primary School )

No.	Project No.	School	Name	Award
1	OSPS0007	Taoist Ching Chung Primary School (Wu King Estate)	NG CHING MAN	Outstanding STEAM School
2	OSPS0002	C.C.C. Kei Wan Primary School (Aldrich Bay)	CHAN KWOK YUI	STEAM School Merit Award
3	OSPS0003	St. Matthew's Lutheran School (Sau Mau Ping)	Hung wai lam	STEAM School Merit Award
4	OSPS0005	Po Leung Kuk Horizon East Primary School	NGAN KIN LUN	STEAM School Merit Award

### Outstanding STEAM School ( Secondary School )

No.	Project No.	School	Name	Award
1	OSSS0001	Notre Dame College	Pang Ka Wai	Outstanding STEAM School
2	OSSS0002	Lok Sin Tong Yu Kan Hing Secondary School	LIU KWOK CHING	STEAM School Merit Award
3	OSSS0003	Mu Kuang English School	AU TAT KONG	STEAM School Merit Award

### Outstanding Organization Award (Primary School)

No.	School
1	Pui Ching Primary School
2	St. Paul's Co-educational College Primary School
3	Tai Po Old Market Public School

### Outstanding Organization Award (Secondary School)

No.	School
1	The Chinese Foundation Secondary School
2	St. Paul's Convent School
3	Carmel Pak U Secondary School

### Science Fiction Drawing ( Special Award\_Only and 1 Technongy Limited )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	PD0031	未來可期	St. Paul's Co-educational College Primary School	Wong Yuk Yin, Laurentia	P5	F	Only And 1 Special Award
2	PD0141	盲人的眼睛	St. Stephen's Girls' Primary School	Li Ho Ming Alison	P4	F	Only And 1 Special Award
3	PD0142	記憶雲端儲存器	St. Stephen's Girls' Primary School	Li Hei Ming Athena	P6	F	Only And 1 Special Award
4	PD0190	天空世界	St. Paul's Co-educational College Primary School	TAM TSZ YIU MICHELLE	P4	F	Only And 1 Special Award
5	SJD0060	Roll to 2040	HKUGA College	Yu Tsz Yin	S1	F	Only And 1 Special Award

### Science Fiction ( Special Award\_International Education Research and Development Centre Limited )

No.	Project No.	Name of Project	School	Name	Grade	Gender	Award
1	PF0018	冰淚	Pui Ching Primary School	Yeung Hiu Yuet	P4	F	Technology Development Award (Primary School)
2	SJF2029	統治	The Chinese Foundation Secondary School	Lin Wai Pang	S3	M	Technology Development Award (Junior Secondary School)
3	SSF0008	空時外的愛	Yuen Long Merchants Association Secondary School	WANG CHUN WING	S5	M	Technology Development Award (Senior Secondary School)
4	PF0024	尋找新星球	Pui Ching Primary School	li Yan Ming	P4	M	Human Discovery Award (Primary School)
5	SJF2011	智慧	The Chinese Foundation Secondary School	Chan Ho Yu	S2	M	Human Discovery Award (Junior Secondary School)
6	SSF2011	亞特蘭提斯	The Chinese Foundation Secondary School	Chan Kai Tin	S4	M	Human Discovery Award (Senior Secondary School)
7	PF0028	月球上第一單殺人事件	Chan's Creative School	LEUNG LAI	P6	F	New Thinking Award (Primary School)
8	SJF2035	完美的我	The Chinese Foundation Secondary School	Tam Ching Yan	S3	F	New Thinking Award (Junior Secondary School)
9	SSF2001	永生花	The Chinese Foundation Secondary School	Lui Sze Shuen	S5	F	New Thinking Award (Senior Secondary School)
10	PF0030	海洋之謎	Po Leung Kuk Camões Tan Siu Lin Primary School	Poon Chin Tung Olivia	P2	F	Life Guardian Award (Primary School)
11	SJF0029	外星記	CCC Yenching College	CHUNG WAI HANG	S3	M	Life Guardian Award (Junior Secondary School)
12	SSF0003	孤獨的側面	St. Paul's Convent School	Lam Tsz Yiu Rachel	S5	F	Life Guardian Award Senior Secondary School)



**Secondary School Research and Invention ( Special Award for Junior Secondary Electrical and Electronic Engineering\_Emerson )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJP0016	Triboelectric Nanogenerator for Water Disinfection	Carmel Pak U Secondary School	AU YEUNG WING TIM	S3	M	CHAN CHEUK YIN	S3	M	TSUI HEI CHIT	S3	M	Emerson Award for Electrical & Electronic Engineering (Junior Sec.)

**Secondary School Research and Invention ( Special Award for Senior Secondary Electrical and Electronic Engineering\_Emerson )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SSP0007	Improving the effectiveness of osteogenic stimulation using micro motion	Sha Tin College	Panav Kalra	S4	M	/	/	/	/	/	/	Emerson Award for Electrical & Electronic Engineering (Senior Sec.)

**Secondary School Research and Invention ( Special Award for Junior Secondary Materials Sciences\_Emerson )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJC0001	FireFibre	Victoria Shanghai Academy	Ng Zhi Zhen Valerie	S3	F	Leung Chun Po Lucas	S3	M	/	/	/	Emerson Award for Material Science (Junior Sec.)

**Secondary School Research and Invention ( Special Award for Senior Secondary Materials Sciences\_Emerson )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SSC0004	Antimicrobial edible bio-disposables of kombucha of fruit skins with chitosan coating (KFC)	Carmel Pak U Secondary School	CHOI YAU NAM	S5	M	SO KA HEI	S5	M	NG KIN KWAN	S5	M	Emerson Award for Material Science (Senior Sec.)

**Secondary School Research and Invention ( Special Award for Junior Secondary Environmental Sciences\_Emerson )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SJE0005	Upcycling of Abandoned Beehives	The Chinese Foundation Secondary School	Chan Shun Chit	S2	M	Po Hong Yin	S2	M	Chan Pui Lam Penny	S2	F	Emerson Award for Environmental Science (Junior Sec.)

**Secondary School Research and Invention ( Special Award for Senior Secondary Environmental Sciences\_Emerson )**

No.	Project No.	Name of Project	School	Name	Grade	Gender	Name	Grade	Gender	Name	Grade	Gender	Award
1	SSE0005	Usage of Piezoelectric Effect to Generate Electricity with Sound	HKUGA College	Elson Wong	S5	M	Yang Long	S5	M	Matthew Yeung	S5	M	Emerson Award for Environmental Science (Senior Sec.)