

由香港青年協會、教育局及香港科學館合辦，並得到創新科技署及香港科技園公司支持的「2017年香港學生科學比賽」今天（18日）假香港科學園舉行初賽暨作品展覽。

經過一輪專業評審後，評判團於高中組選出3支香港代表隊，包括迦密柏雨中學的「氫出於煤勝於煤」、「雨盡其用」及基督教宣道會宣基中學的「手語翻譯手套」，他們將參與5月初於美國舉行的I-SWEEP 2017，與世界各地近70個國家的年輕科學家進行高水平的科學知識競賽，並有機會到美國太空總署參觀。此外，大會亦公布初中組及高中組共20支晉身決賽的隊伍、科學海報組的優勝隊伍、以及本年新增的「新秀大賞」及「最具潛質獎」。

本屆比賽收到超過900位來自83間中學的學生報名申請；3支菲律賓的隊伍更來港與本地青少年交流科學心得。比賽分為初中組、高中組及科學海報組；初中組及高中組的參賽隊伍可從「生物與化學」或「物理與工程」兩大科學範疇中選擇題目，並以發明品或研究報告形式進行科學探究，整個探究過程充分體現STEM教育中著重邏輯思維能力及解難能力的元素。而參加科學海報組的學生則需要透過參考文獻來製作海報，探討與「氣候變化」有關的科學知識。

「香港學生科學比賽」能讓青少年發揮科學潛能，並展示對有關知識的應用。香港學生科學比賽決賽將在4月14日上午9時於香港科學園舉行，初中組及高中組的入圍隊伍將競逐冠、亞、季軍，冠軍隊伍將獲資助參與海外交流活動。比賽詳情可瀏覽網站hksspc.hkfyg.org.hk。

I-SWEEEP 2017 代表隊伍

學校名稱	參賽作品名稱
迦密柏雨中學	氫出於煤勝於煤
迦密柏雨中學	雨盡其用
基督教宣道會宣基中學	手語翻譯手套

初中組入圍隊伍(發明品)

學校名稱	參賽作品名稱
香港培正中學	壓縮垃圾垃圾桶
孔教學院大成何郭佩珍中學	智能太陽能板
旅港開平商會中學	八達都會通通包
九龍華仁書院	紫外光毛巾消毒器
中華基金中學	環保保鮮紙

初中組入圍隊伍(研究項目)

學校名稱	參賽作品名稱
中華基金中學	使世界更美好的全新鉛過濾器
協恩中學	天下一桶「循紙王」
順德聯誼總會翁祐中學	樹泡泡
潔心林炳炎中學	中國茶對澱粉酶活性的影響
瑪利諾修院學校(中學部)	消失的維他命 C

高中組入圍隊伍(發明品)

學校名稱	參賽作品名稱
順德聯誼總會翁祐中學	肌電義
迦密柏雨中學	雨盡其用
基督教宣道會宣基中學	手語翻譯手套
協恩中學	提防塌樹器

高中組入圍隊伍(研究項目)

學校名稱	參賽作品名稱
聖保祿學校	研究馬格努斯效應
香港培正中學	糖尿病傷口的中藥海藻凝膠敷料
聖保祿學校	以環保納米銀降解有害染料
協恩中學	牙齒保衛隊
迦密柏雨中學	氫出於煤勝於煤
英皇書院	銀蛋快測

科學海報組得獎名單

一等獎

學校名稱	學生姓名
聖保祿學校	廖子淇
順德聯誼總會翁祐中學	郭詠珩
順德聯誼總會翁祐中學	袁進雄

二等獎

學校名稱	學生姓名
英華書院	王曉暘
宏信書院	陳海悅
拔萃女書院	黃恩晴

「能源、工程及環境大賞」得獎名單

初中組

學校名稱	參賽作品名稱
孔教學院大成何郭佩珍中學	智能太陽能板
順德聯誼總會翁祐中學	樹泡泡

高中組

學校名稱	參賽作品名稱
迦密柏雨中學	氫出於煤勝於煤
迦密柏雨中學	雨盡其用
基督教宣道會宣基中學	手語翻譯手套

「新秀大賞」得獎名單

初中組

學校名稱
趙聿修紀念中學

高中組

學校名稱
趙聿修紀念中學

「最具潛質獎」得獎名單

初中組

學校名稱	參賽作品名稱
伯裘書院	電子 · 信箱

高中組

學校名稱	參賽作品名稱
東華三院黃鳳翎中學	自動消毒殺菌馬桶蓋

Co-organized by The Hong Kong Federation of Youth Groups, Education Bureau and Hong Kong Science Museum, supported by the Innovation Technology Commission and Hong Kong Science and Technology Parks Corporation, the educational annual event **Hong Kong Student Science Project Competition 2017** Initial Judging cum Exhibition was held in Hong Kong Science Park today (18th March 2017).

Over 900 students from 83 secondary schools enrollment application are received this year. Among them, 3 teams from Philippines come to Hong Kong to share science ideas with local students. The competition divides into Junior, Senior and Scientific Wallchart Divisions. Teams from Junior Division and Senior Division can choose a topic in the field of either "Biology and Chemistry" or "Physics and Engineering" and carry out their scientific research in the form of either invention or investigation. The research process emphasizes the key elements in STEM education: logical thinking skills and problem solving skills. Participants from the Scientific Wallchart Division have to produce posters through literature review, in order to illustrate science knowledge related to "Climate Change".

After the professional judging process, 3 Hong Kong representative teams were selected from the Senior Division, including "Investigating the Use of Photo-catalysts in the Production of Hydrogen from Photo-fermentation of Coal by Green Algae" & "Pico Rain Power" from Carmel Pak U Secondary School and "Sign-translate Gloves" from Christian & Missionary Alliance Sun Kei Secondary School, to participate in the I-SWEEEP 2017 to be held in the USA during early May. The teams will have high-level science competition with young scientists from approximately 70 countries around the world and have the opportunity to visit NASA. In addition, the Organizers announced the 20 finalists in Junior Division and Senior Division which enter the Final Judging, winning teams of Scientific Wallchart Division, and the newly added "Best New-comer Award" and "Best Potential Award".

Hong Kong Student Science Project Competition fulfills the objective of developing youngsters' science potential through better understanding and innovative application. **Hong Kong Student Science Project Competition Final Judging will be held on April 14 at 9 a.m. in Hong Kong Science Park. Finalists of the Junior Division and Senior Division will compete for the Champion, 1st Runner-up and 2nd Runner-up. Champion teams will be sponsored to participate in an overseas exchange programme,** For more details, please visit hksspc.hkfyg.org.hk

Delegates for I-SWEEEP 2017

Name of School	Project Title
Carmel Pak U Secondary School	Investigating the Use of Photo-catalysts in the Production of Hydrogen from Photo-fermentation of Coal by Green Algae
Carmel Pak U Secondary School	Pico Rain Power
Christian & Missionary Alliance Sun Kei Secondary School	Sign-translate Gloves

Junior Division Finalist teams (Invention)

Name of School	Project Title
Pui Ching Middle School	Rubbish-squashing Rubbish Bin
Confucian Tai Shing Ho Kwok Pui Chun College	Smart Solar Panel
Hoi Ping Chamber of Commerce Secondary School	OctoPLUS Wallet
Wah Yan College, Kowloon	UVC Hand Towel Sterilizer
The Chinese Foundation Secondary School	Eco-friendly Cling Film

Junior Division Finalist teams (Investigation)

Name of School	Project Title
The Chinese Foundation Secondary School	Brand New Lead Filter, Make the World Better
Heep Yunn School	I've Bin Recycling Paper
Shun Tak Fraternal Association Yung Yau College	Instant Foaming Agent Drugs Delivery System for Curing Tree Diseases and Fruiting Bodies
Kit Sam Lam Bing Yim Secondary School	Effect of Chinese Tea on Amylase Activity
Maryknoll Convent School (Secondary Section)	C-ing is Believing

Senior Division Finalist teams (Invention)

Name of School	Project Title
Shun Tak Fraternal Association Yung Yau College	Electromyo Prosthesis & Controlling System
Carmel Pak U Secondary School	Pico Rain Power
Christian & Missionary Alliance Sun Kei Secondary School	Sign-translate Gloves
Heep Yunn School	Falling Trees Alarm

Senior Division Finalist teams (Investigation)

Name of School	Project Title
St. Paul's Convent School	Investigation on the Magnus Effect
Pui Ching Middle School	When East Meets West: Wound Dressing - Alginate & Herbs for Diabetic Wound
St. Paul's Convent School	From Zero to Hero - Green Synthesis of Nanosilver for Dye Degradation
Heep Yunn School	The Teeth Guardians
Carmel Pak U Secondary School	Investigating the Use of Photo-catalysts in the Production of Hydrogen from Photo-fermentation of Coal by Green Algae
King's College	An Investigation on Nano-Ag Quick Test on Renal Chronic Failure

Scientific Wallchart Division Winning Teams

First Prize

Name of School	Student Name
St. Paul's Convent School	Liu Chi Kei Vanessa
Shun Tak Fraternal Association Yung Yau College	Kwok Wing Hang
Shun Tak Fraternal Association Yung Yau College	Yuen Chun Hung

Second Prize

Name of School	Student Name
Ying Wa College	Wong Issac Hiu Yeung
ELCHK Lutheran Academy	Helene Chan
Diocesan Girls' School	Wong Yan Ching Grace

Energy, Engineering and Environment Award

Junior Division

Name of School	Project Title
Confucian Tai Shing Ho Kwok Pui Chun College	Smart Solar Panel
Shun Tak Fraternal Association Yung Yau College	Instant Foaming Agent Drugs Delivery System for Curing Tree Diseases and Fruiting Bodies

Senior Division

Name of School	Project Title
Carmel Pak U Secondary School	Investigating the Use of Photo-catalysts in the Production of Hydrogen from Photo-fermentation of Coal by Green Algae
Carmel Pak U Secondary School	Pico Rain Power
Christian & Missionary Alliance Sun Kei Secondary School	Sign-translate Gloves

Best New-comer Award

Junior Division

Name of School
Chiu Lut Sau Memorial Secondary School

Senior Division

Name of School
Chiu Lut Sau Memorial Secondary School

Best Potential Award

Junior Division

Name of School	Project Title
Pak Kau College	E • Mail Box

Senior Division

Name of School	Project Title
T.W.G.Hs Wong Fung Ling College	Automatic Disinfecting Toilet Cover