

## Read to Dream x Future Engineer Grand Challenge develops students' innovation and technology potential

「新地齊讀好書 x 未來工程師大賽」激發學生創科潛能



Guests of honour, judges and winning students and their teachers at the Read to Dream x Future Engineer Grand Challenge award ceremony 「新地齊讀好書 x 未來工程師大賽」頒獎禮主禮嘉賓、評審、各得獎學生及其老師合照

To promote innovation and technology (I&T) education for the young generation, the SHKP Reading Club collaborated with the Hong Kong STEM Education Alliance for the second year in a row to organize the Read to Dream x Future Engineer Grand Challenge to encourage students to apply science and technology creatively in their daily lives. The winning designs were displayed in the SHKP Reading Club's booth at the Hong Kong Book Fair to share the students' achievements with the public.

### Nearly 300 entries received – a new record

The Read to Dream x Future Engineer Grand Challenge this year was expanded with three new themes – "Smart Living", "Green Innovation and Technology" and "Art Technology" – to encourage secondary and primary students to creatively use innovative technology to enhance the quality of everyday life. A total of 287 entries from more than 800 students from 122 schools were received, more than double the number of entries received last year.

The designs this year were both creative and practical. The Smart Fish Tank Monitoring System, by Ho Lap Primary School (sponsored by Sik Sik Yuen), the first-prize entry in the primary category, under the theme "Smart Living", automatically measures indoor and water temperatures. It is equipped with a regular automated feeding system, and the data is uploaded to an Internet of Things (IOT) platform,

enabling users to remotely monitor the fish tank data. Joyful Farming, by Fung Kai No.1 Secondary School, the first-prize entry in the junior secondary category, under the theme "Green Innovation and Technology", is an irrigation system that automatically adjusts the environment to allow users to easily carry out hydroponic farming. FLAI (Follow to Learn An Instrument), by Diocesan Girls' School, the first-prize entry in the senior secondary category, under the theme "Art Technology", uses AI and machine learning to monitor users' posture when playing instruments and provide advice on how to improve.



The winning designs are displayed in the SHKP Reading Club's booth at the Hong Kong Book Fair  
優勝作品在香港書展中的新聞會攤位展出

### Sponsoring 2,000 students to visit the book fair

In addition to the I&T design contest, the Read to Dream x Future Engineer Grand Challenge collaborated with its long-term partner the Hong Kong Trade Development Council to sponsor 2,000 students to visit this year's book fair. Each of 800 underprivileged students under the Hong Kong Federation of Education Workers, the North District Primary School Headmasters Conference and the Sham Shui Po Residents Association was also provided with a HK\$250 book allowance to buy STEM and Chinese culture books at the book fair.

為推廣青少年創科教育，新聞會今年繼續與香港科技創新教育聯盟合辦「新地齊讀好書 x 未來工程師大賽」，鼓勵學生發揮創意，設計改善生活的科技應用。優勝作品更在香港書展中的新聞會攤位展出，讓學生與大眾分享學習成果。

### 收到接近300份作品，創歷屆新高

今屆「新地齊讀好書 x 未來工程師大賽」首設「智慧生活」、「綠色創科」及「藝術科技」三大主題，鼓勵中、小學學生在不同領域發揮創意，透過創科技術以改善生活，最終收到來自122間學校、超過800名學生提交的287份作品，數量較去年多逾倍。

是次參賽學生創意無限，製作的產品極具特色並兼顧實用性。小學組「智慧生活」一等獎是薺色園主辦可立小學的「智能魚缸監察系統」：自動量度室內氣溫、水溫，裝設定時自動餵食器，數據傳上IOT平台讓繁忙的香港人遙遠監察魚缸數據。初中組「綠色創科」一等獎是鳳溪第一中學



Group Executive Director Christopher Kwok (centre) attends the final of the Read to Dream x Future Engineer Grand Challenge, expressing his appreciation for the students' potential in I&T

集團執行董事郭基泓(中)出席「新地齊讀好書 x 未來工程師大賽」決賽，見證同學展現創科潛能

的「裁·ful」：自動化水耕系統，自動調節種植環境，讓任何人都能輕鬆進行水耕種植，享受綠色生活。高中組「藝術科技」一等獎是拔萃女書院的「FLAI (Follow to Learn An Instrument)」：善用AI監察及機器學習技術，為用家提供改善演奏姿勢的提示，提高學習和練琴的成效。

### 贊助2,000名學生遊書展

除舉辦創科設計比賽外，「新地齊讀好書 x 未來工程師大賽」在今年書展，繼續與長期合作夥伴香港貿易發展局攜手，贊助2,000名學生遊書展；同時透過香港教育工作者聯會、北區小學校長會及深水埗居民聯會協助組織資助800名基層學生，每名學生可獲港幣250元購書津貼，在書展購買與STEM及中國文化相關的書籍。



Led by the Sham Shui Po Residents Association, 150 students and their parents visit the book fair  
深水埗居民聯會帶同150名學生及其家長同遊書展