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

「新地齐读好书 x 未来工程师大赛」激发学生创科潜能

Guests of honour, judges and winning students and their teachers at the Read to Dream x Future Engineer Grand Challenge award ceremony
「新地齐读好书 x 未来工程师大赛」颁奖礼主礼嘉宾、评审、各得奖学生及其老师合照

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
优胜作品在香港书展中的新阅会摊位展出

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.

为推广青少年创科教育，新阅会今年继续与香港科技创新教育联盟合办「新地齐读好书 x 未来工程师大赛」，鼓励学生发挥创意，设计改善生活的科技应用。优胜作品更在香港书展中的新阅会摊位展出，让学生与大众分享学习成果。

收到接近300份作品，创历届新高

本届「新地齐读好书 x 未来工程师大赛」首设「智慧生活」、「绿色创科」及「艺术科技」三大主题，鼓励中、小学生在不同领域发挥创意，通过科创技术以改善生活，最终收到来自122间学校、超过800名学生提交的287份作品，数量较去年多逾倍。

本次参赛学生创意无限，制作的产品极具特色并兼顾实用性。小学组「智慧生活」一等奖是啬色园主办可立小学的「智能鱼缸监察系统」：自动测量室内气温、水温，装设定时自动喂食器，数据上传IOT平台让繁忙的香港人可远程监控鱼缸数据。初中组「绿色创科」一等奖是凤溪第一中学

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
集团执行董事郭基泓（中）出席「新地齐读好书 x 未来工程师大赛」决赛，见证同学们展现创科潜能

的「栽·ful」：自动化水耕系统，自动调节种植环境，让任何人都能轻松进行水耕种植，享受绿色生活。高中组「艺术科技」一等奖是拔萃女书院的「FLAI (Follow to Learn An Instrument)」：善用AI监察及机器学习技术，为用户提供如何改善演奏姿势的提示，提高学习和练琴的成效。

赞助2,000名学生游书展

除举办创科设计比赛外，「新地齐读好书 x 未来工程师大赛」在今年书展继续与长期合作伙伴香港贸易发展局携手，赞助2,000名学生游书展；同时通过香港教育工作者联会、北区小学校长会及深水埗居民联会协助组织资助800名基层学生，每名学生可获港币250元购书津贴，在书展购买与STEM及中国文化相关的书籍。

Led by the Sham Shui Po Residents Association, 150 students and their parents visit the book fair
深水埗居民联会带领150名学生及其家长同游书展