



Press Release

For Immediate Release

70 Secondary Schools Participate in STEM+E Competition

Innovative Solutions from Over 400 Students on “Green Management” and “Well-Being and Safety”

- The STEM+E Competition 2023 linked participants with 15 Cyberport and HKSTP start-ups to prepare students for the ever-changing world by nurturing their creativity and problem-solving skills.
- HKSTP is committed to fostering the next-gen creative thinkers and innovators to bolster Hong Kong's position as an international I&T hub.

Hong Kong, 10 May 2023 – Jointly organised by the STEM+E Consortium, Cyberport and Hong Kong Science and Technology Parks Corporation (HKSTP), the STEM+E Competition 2023 aims to prepare students for the ever-changing world by nurturing their creativity and problem-solving skills. The competition concluded last Sunday (7 May) with the enthusiastic participation from over 400 students from more than 70 secondary schools. Under the guidance of start-ups from both Cyberport and HKSTP as well as business leaders, participants organised themselves into groups to explore topics of community concern, focusing on “Green Management” and “Well-Being and Safety”, two topics of concern to the community, by leveraging innovative technologies. Solutions titled “高球隨意門”, “Restroom Navi - Gator” and “Cool Shield” were selected in the end as champions in the Entrepreneur Track, Regional Track and Venture Track respectively.

Addressing society's pain points with creative solutions

The competition linked participants with 15 Cyberport and HKSTP start-ups, as well as a group of business leaders. This year's theme has two main focuses: "Green Management" and "Well-Being and Safety". A total of 81 teams were formed by students from various schools and were divided into the Entrepreneurship Track, Venture Track, and a newly added Regional Track. Participants from the Shanghai Foreign Language School Affiliated to SISU and Torch Hi-Tech Industry Development Zone No.1 Middle School in Zhongshan were invited to facilitate exchange and collaboration between students from Hong Kong and the Mainland. Teams in the Entrepreneurship Track were paired with start-ups who shared their self-developed technology solutions, entrepreneurial experience, and industrial knowledge. This enabled the students to incorporate such inputs into the development of their business proposals. Teams in the Venture Track, on the other hand, used technologies already on the market to devise their plans. Regardless of the track, all teams benefited from the recommendations and guidance of business professionals who acted as mentors. With the unwavering support of Cyberport, HKSTP, and the business sector, the competition enhances students' technical knowledge, offers learning opportunities, and provides business consultation advice. This, in turn, enhances the soft skills of students such as creativity and critical thinking, resilience, and perseverance, all of which will better equip them for their future career development.

The winning solution in the Entrepreneurship Track, "高球隨意門", leveraged a metaverse golf simulator developed by a start-up to provide STEAM and golf courses for schools, addiction treatment centres, hospitals, and other institutions. Meanwhile, the champion of the Regional Track, "Restroom Navi-Gator,"



utilized indoor mapping technology from a start-up, as well as Internet of Things (IoT) and big data, to address public toilet pain points. This solution provides map navigation, reviews, real-time congestion information, and smart monitoring to enhance toilet use efficiency and hygiene. Furthermore, it addresses the pain point of restaurant table waiting by displaying real-time wait times, filtering recommended restaurants, and providing selection based on customer reviews. The Venture Track champion, "Cool Shield," took advantage of energy-free cooling paint to reduce indoor temperatures and achieve power savings.

Nurturing a new generation of I&T talents

Prof. Joseph Koc, Chairman of the STEM+E Consortium, said, "2023 is a very special year for STEM+E Competition. It is the fifth anniversary for the Competition since it was inception in 2019. The Programme has seen changes and additions in the last 5 years, to name a few: participants grown from 5 secondary schools, 100 students to today, 70 schools with over 400 students; introduction of the Most Valuable Player Award to recognize student's individual efforts; addition of Venture Track to allow students to research and craft their own technology solution to solving of societal pain points; introduction of Regional Track to provide opportunities where students in HK collaborate with students from other cities in China. The one thing that has remained unchanged, is the purpose of the Competition: To Show The Student What Is Possible. Or rather, What They Are Capable Of! It has been an exciting and rewarding journey for all of us who took part in STEM+E Competition, students, case companies, business coaches, principals, teachers. And we at STEM+E Consortium are most proud to have traversed this journey with our partners."

Ir Eric Chan, Chief Public Mission Officer of Cyberport, said, "Cyberport is delighted to once again collaborate with the STEM+E Consortium and HKSTP, bringing together the two major I&T flagships and start-up ecosystems in Hong Kong to inspire and empower the birth of the next generation of innovation and technology talent. We are pleased to see students demonstrating innovative thinking and applying technology to solve social problems during the competition. Cyberport will continue to promote and strengthen STEAM learning, connect startups to add more innovative elements to STEAM education, and cultivate more I&T talents through diverse inside and outside classroom learning activities in the future, laying a solid foundation for students and supporting the future development of innovation and technology in Hong Kong."

Eugene Hsia, Chief Corporate Development Officer of HKSTP, said, "The STEM+E Competition is not just about science, technology, engineering, and math. It's about unleashing the limitless potential of young minds and giving them the power to change the world. Through this competition, students are challenged to think beyond the boundaries of what's possible and create solutions that can make a real difference in society. At HKSTP, we are committed to fostering the next-gen creative thinkers and innovators to bolster Hong Kong's position as an international I&T hub."

Three-month competition teaching technology and business knowledge

The competition was launched as a three-month event in March this year. All participating teams were required to develop a business proposal on the two-fold theme of "Green Management" or "Well-being and Safety". The final contest and award presentation ceremony were held at Cyberport on 7 May.

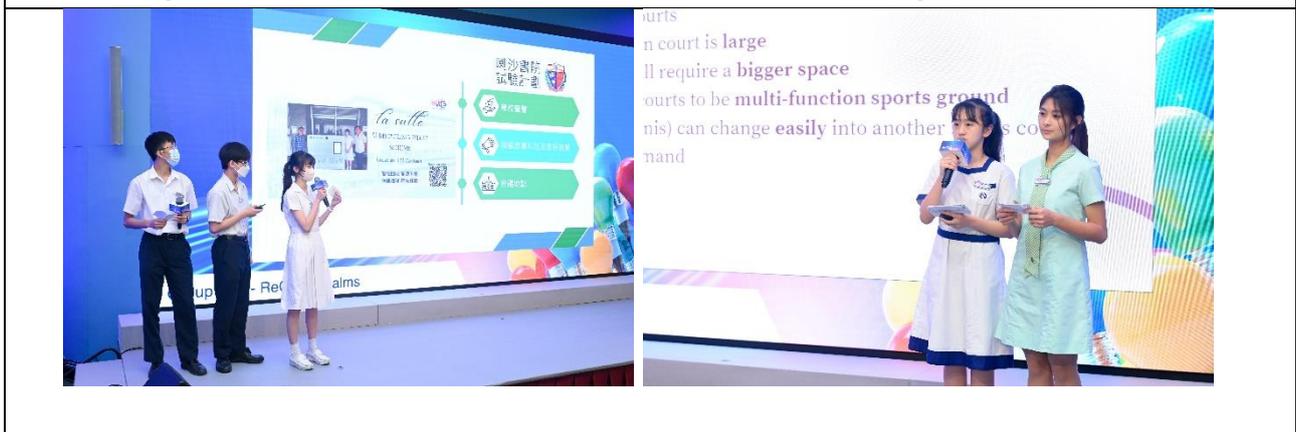
Since its inauguration in 2019, the STEM+E Competition has provided students with start-up sharing sessions, business consultation training and workshops, enabling them to generate tech-based business plans that ameliorate specific social issues. The finalists were given a chance to present their plans to a judging panel

consisting of investors, business leaders and academics. Through this contest, students gain insight into the application of innovative technologies to deal with social issues. They also work as a team to transform creative ideas into practical tech-based business proposals.

Please download high resolution photos via [this link](#).



The champion teams: “高球隨意門” from the Entrepreneurship Track (above), “Restroom Navi - Gator” from the Regional Track (left), and “Cool Shield” from the Venture Track (right).



Over 400 students from more than 70 secondary schools participated in the STEM+E Competition 2023. The final contest was held at Cyberport on 7 May. Finalists introduced their solutions to the judging panel.



Prof. Joseph Koc, Chairman of the STEM+E Consortium, said, “This year marks the fifth anniversary of the competition, witnessing developments and changes experienced by the competition itself. The only thing that hasn’t changed is the original purpose of the competition: to showcase infinite possibilities to the students, and their abilities - beyond imagination!”



Eric Chan, Chief Public Mission Officer of Cyberport, said, “It is our pleasure to partner with the STEM+E Consortium and HKSTP again to organise this competition. In combining the efforts of the two leading innovation and technology flagships and entrepreneurship ecosystems in Hong Kong, we hope to inspire and help nurture future innovative talents.”



Dr. Crystal Fok, Head of STP Platform, Hong Kong Science & Technology Parks Corporation, at the STEM+E Competition 2023 to support students unleashing their limitless potential.

Appendix 1: List of winning teams

	Teams	Participating Students and Schools	
Entrepreneurship Track			
Champion	高球隨意門	KWOK KEI YAN - TWGHs Lo Kon Ting Memorial College	LAU IVY - Good Hope School
		LIMBU UTSAB - CCC Kwei Wah Shan College	TONG WING SUM - Marymount Secondary School
		YUE YEUK NGAI - St. Paul's Co-educational College	
First Runner-up	Goodtakes, What's next?	MOK TSZ YAN - King Ling College	WONG PUI LAM - Good Hope School
		LI KA WA - The Methodist Church Hong Kong Wesley College	CHENG YUEN YAN NATALIE - Maryknoll Convent School (Secondary Section)
Second Runner-up	Aafia	CHOW WING KIU - Immaculate Heart of Mary College	ZHUO FAI KIT - TWGHs Lo Kon Ting Memorial College
		LIN FONG YEE - St. Paul's Co-educational College	
Regional Track			
Best Team	切叶蜂 (Restroom Navi – Gator)	LIU QIYUE - Good Hope School	CHU CHENCHEN - Shanghai Foreign Language School Affiliated to SISU
		LI CHU YU - Torch Hi-Tech Industry Development Zone No.1 Middle School	LEI SYDNEY - St. Paul's Co-educational College
Venture Track			
Best Team	Cool Shield	CAI ZIJUN ALLEN - New Asia Middle School	TAM LOK HANG - YLPMSAA Tang Siu Tong Secondary School
		CHAN CHI KIT - Immaculate Heart of Mary College	CAI CHUN WAI - Valtorta College



Appendix 2: List of participating start-ups

Cyberport start-ups		HKSTP start-ups	
Choy Lee Tech	N1	01River	GOODTAKES
Firealert	Prozparity	define CLEAN	GrinBean
Linked Technologies	Sportopia	Double Ox	I2Cool
Mapxus		Fill Easy	MM

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About Cyberport

Cyberport is Hong Kong’s digital technology flagship and incubator for entrepreneurship with over 1,900 members including over 800 onsite and close to 1,100 offsite start-ups and technology companies. It is managed by Hong Kong Cyberport Management Company Limited, wholly owned by the Hong Kong SAR Government. With a vision to be the hub for digital technology, thereby creating a new economic driver for Hong Kong, Cyberport is committed to nurturing a vibrant tech ecosystem by cultivating talent, promoting entrepreneurship among youth, supporting start-ups, fostering industry development by promoting strategic collaboration with local and international partners, and integrating new and traditional economies by accelerating digital transformation in public and private sectors.

For more information, please visit www.cyberport.hk

About Hong Kong Science and Technology Parks Corporation

Hong Kong Science and Technology Parks Corporation (HKSTP) has for over 20 years committed to building up Hong Kong as an international innovation and technology hub to propel success for local and global pioneers today and tomorrow. HKSTP has established a thriving I&T ecosystem that is home to two unicorns and Hong Kong’s leading R&D hub with over 13,000 research professionals and over 1,300 technology companies focused on healthtech, AI and robotics, fintech and smart city technologies.

Established in 2001, we attract and nurture talent, accelerate and commercialise innovation and technology for entrepreneurs on their journey of growth in Hong Kong, to the Greater Bay Area, Asia and beyond. Our growing innovation ecosystem is built around our key locations of Hong Kong Science Park in Shatin, InnoCentre in Kowloon Tong and three modern INNOPARKS in Tai Po, Tseung Kwan O and Yuen Long. The three INNOPARKS are realising a vision of new industrialisation for Hong Kong. The goal is sectors like advanced manufacturing, electronics and biotechnology are being reimaged for a new generation of industry.

Through our infrastructure, services, expertise and network of partnerships, HKSTP will help establish innovation and technology as a pillar of growth for Hong Kong, while reinforcing Hong Kong’s international I&T hub status as a launchpad for global growth at the heart of the GBA innovation powerhouse.

More information about HKSTP is available at www.hkstp.org.

About STEM+E Consortium

STEM+E Consortium is responsible for the noble and challenging mission of preparing our next generation



for their future. As one says, “We may not know what the future holds, but we know who holds the future”. STEM+E Consortium believes that the answer lies with not only showing students the WHAT, but WHY and HOW.

Through its annual flagship event STEM+E Competition and other initiatives, STEM+E Consortium aspires to foster and nurture creativity thinking, critical thinking, collaboration and problem-solving skills of the younger generation. All being components of entrepreneurial mindset. A mindset essential to allow our students to cope with their future.

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