

### Chief Executive Commends Secondary-School Students for Application of STEM Knowledge at the Inaugural MTR STEM Challenge

At the inaugural MTR STEM Challenge Pitch Day today (28 April 2018), Chief Executive of the Hong Kong Special Administrative Region Mrs Carrie Lam commended secondary-school students for applying STEM concepts to articulate their vision for “Inclusive and Sustainable Communities”.

The Pitch Day was the finale of MTR Corporation’s year-long STEM Challenge programme. Designed and supported by Junior Achievement Hong Kong, Hong Kong Education City and The Association for Computer Education, the programme aims to encourage secondary-school students to stay curious about the world around them, and heighten their interest in STEM (Science, Technology, Engineering and Mathematics) subjects. Between September 2017 and March 2018, MTR colleagues delivered talks to 7,500 secondary schools students to explain the application of STEM knowledge in the planning, construction, and operations of a railway system. More than 300 students from 44 schools formed 57 teams to develop their vision for “Inclusive and Sustainable Communities”. Workshops were held for the participants who applied their 3D-printing skills to create a model that represents their vision.

Mrs Lam met with participating students today and presented prizes to the winning teams. She encouraged them to continue to delve into STEM subjects as they are integral to Hong Kong’s future development. She said, “‘Inclusive and sustainable growth’ is a key focus for many economies around the world so that the fruits of development are enjoyed by all segments of society and that our next generation can achieve sustainable development. I am delighted to see that students taking part in this programme have applied technology to express their vision for ‘Inclusive and Sustainable Communities’ and contribute their ideas to helping Hong Kong’s sustainable development.”

Professor Frederick Ma, Chairman of MTR Corporation said, “MTR Corporation is proud to support the Government’s promotion of STEM education in Hong Kong. Our colleagues are excited to have the opportunity to share how STEM concepts are applied in the design, construction and operations of our railway system. We are committed to nurturing talent and Hong Kong’s development by sharing our knowledge and equipping the next generation with the skills necessary to further enhance our quality of living.”

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Led by Professor Frederick Ma, the judging panel members included Board Member of MTR Corporation Dr Dorothy Chan, Chairman of Junior Achievement Hong Kong Dr William Lo, Department Chairman of Department of Physics, The Chinese University of Hong Kong Professor Dickon Ng and founders of local technology companies Mr Stark Chan and Mr Jason Chiu. The panel selected the three best performing teams who won a study tour to Sweden in July to visit MTR's railway operations and learn more about local sustainable development.

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#### About MTR Corporation

MTR Corporation is regarded as one of the world's leading railway operators for safety, reliability, customer service and cost efficiency. In its home base of Hong Kong, the Corporation operates ten commuter railway lines, a Light Rail network and a high-speed Airport Express link on which about 5.8 million passenger trips are made on a normal week day. Another 6.5 million passenger trips are made on the rail services it operates outside Hong Kong in the Mainland of China, the United Kingdom, Sweden and Australia. In addition, the Corporation is involved in a range of railway construction projects as well as railway consultancy and contracting services around the world. Leveraging on its railway expertise, the Corporation is involved in the development of transit-related residential and commercial property projects, property management, shopping malls leasing and management, advertising media and telecommunication services.

For more information about MTR Corporation, please visit [www.mtr.com.hk](http://www.mtr.com.hk).

#### About "Community Connect"

"Community Connect" is the Corporation's platform for initiatives that aims to support everyone from the young to the old while enhancing the liveability of our city. What all the programmes have in common is that they've been carefully developed to nurture the communities we serve, so that together we can grow and thrive in a sustainable Hong Kong. Specifically,

- We invest in young people as they are our customers, future leaders, innovators, and game changers – supporting their development is an investment in our communities' futures.
- We contribute to making cities more connected and vibrant through staff volunteering, and collaborating with NGOs and social enterprises to address evolving community needs.
- We enhance the travelling experience through integrating art into our station architecture and facilitating artists to stage their art-related activities or displays in our stations and malls.

Photo Captions:

1. Mrs Carrie Lam, Chief Executive of the Hong Kong Special Administrative Region and Professor Frederick Ma, Chairman of MTR Corporation present trophies and award certificates to the three winning teams from Ju Ching Chu Secondary School (Yuen Long), Pui Kiu Middle School and Ying Wa Girls School. The three Best Performing Teams and their guiding teachers will have the opportunity to visit MTR Corporation's railway operations in Sweden and further delve into the subject of sustainable cities with local experts.



2. Students introduce their proposals on inclusive and sustainable communities to Chief Executive of the Hong Kong Special Administrative Region Mrs Carrie Lam and members of the Judging Panel.



### 3. Proposals created by the Best Performing Teams.



### MTR STEM Challenge Award List

| <b>Awards</b>   | <b>Winners</b>   |
|---|--|
| Best Performing Teams (3 awards)  | Ju Ching Chu Secondary School (Yuen Long)<br>Pui Kiu Middle School<br>Ying Wa Girls School |
| Most Innovative Project (1 award)   | Cheung Chuk Shan College   |
| Best Application of Inclusive and Sustainable Community Concept (1 award) | St. Paul's Convent School  |
| Best Application of STEM Subjects (1 award)                               | Pui Kiu Middle School  |
| Most Creative 3D-Printed Models (2 awards)                                | ELCHK Lutheran Academy<br>Po Leung Kuk Choi Kai Yau School                                 |