

STEM Inc. Supports Singapore Secondary Schools’ Science, Technology, Engineering and Mathematics Applied Learning Programmes (STEM ALP)

SINGAPORE, 2 September 2014 – STEM Inc., a new unit of the Science Centre Singapore, will build and foster interest in STEM (Science, Technology, Engineering & Mathematics); among secondary school students and teachers in Singapore by supporting schools’ STEM ALP. A collaboration between the Science Centre Singapore and Ministry of Education (MOE), STEM Inc. seeks to encourage the acquisition of knowledge and skills in science, mathematics and technology to solve real-world problems.

“Science & Technology have provided the impetus for our economic growth and progress; raising us from a small trading settlement to an innovation and knowledge driven society today,” said Associate Professor Lim Tit Meng, Chief Executive, Science Centre Singapore. “In providing learning opportunities and connecting industry with schools in STEM, we hope to raise students’ aspiration to pursue STEM courses and careers so as to build a pool of potential scientists, technologists, engineers and mathematicians to address challenges of the future.”

“STEM Inc. will help support and augment STEM ALP in schools. Our curriculum specialists and STEM educators work hand-in-hand with teachers to co-develop STEM lessons, provide training to teachers and co-teach such lessons to provide students with an early exposure and develop their interest in STEM,” said Mr Saminathan Gopal, Principal of STEM Inc.

An example of how a school’s ALP in Health Science & Technology could augment and extend students’ learning in a biology lesson is when STEM Inc. provides support in terms of resources which may include lesson packages on basic electronics, computer programming and microcontroller technology. Students will then integrate and apply what they have learnt to make an electronic heart beat sensor to collect and interpret pulse rate data.

STEM Inc. will also look into opportunities to link schools up with industry partners. These partnerships will serve as a platform for the industry to get involved by providing mentors or role models for students, create awareness of STEM skills needed for the 21st Century workforce, as well as provide professional development opportunities for teachers.

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About Science Centre Singapore

Science Centre Singapore is a non-formal educational institution and a leading regional Science Centre. A custodian of creativity and innovation, the Centre has captured the evolution of scientific developments through unique and relevant exhibitions and shows.

The Centre houses 14 exhibition galleries with more than 1,000 exhibits, another 30,000 square metres of outdoor exhibition space showcasing the Waterworks exhibition, Eco Garden and Kinetic Garden as well as the Omni-Theatre — Singapore's only dome-shaped, 5-storey high IMAX theatre.

The Centre and its partners have played a pivotal role in transforming the way students and the public interact with and learn about Science & Technology. Together with the Omni-Theatre and Snow City, it has engaged and enriched more than 29.5 million students and visitors since 1977.

This year, the Centre launched an "I Love SCS" campaign to share our love for science with everyone and demonstrate the many things to love about the Science Centre.

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