

Challenges of implementing STEM education - 21st century skills

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Science Centre Singapore started the STEM education curriculum for public school in 2014 and has since developed 12 different STEM domains. In 2018, Science Centre Singapore produced 12 modules of STEM Thematic programmes bundled with PowerPoint presentation, videos, student workbook, teacher manual and hands-on kits make available for overseas educational institutes. To date, the STEM Thematic programmes are being used in Hong Kong, Macau, Vietnam, Cambodia and soon Japan and China.

What are the STEM education environment in this countries? What are the challenges faced when reaching out to this countries? What will you do if you are given an opportunity to venture into this countries?

In this session, participants will learn:

- About the STEM education environment in the countries that have used Science Centre Singapore STEM programmes
- Common challenges faced by educational institutes
- Science Centre Singapore success stories on STEM outreach