

SEMINAR ON INTEGRATION OF STEM ACTIVITIES AND SUBJECT TEACHING (NEW)

Content	Speaker(s)
Part 1 <ul style="list-style-type: none">• How STEM activities are integrated into the content of subject teaching	Dr Tim K. T. WOO Associate Professor, Engineering Education Department of Electronic and Computer Engineering HKUST
<ul style="list-style-type: none">• Sharing teaching experience of applying STEM education elements in computer literacy lessons	Mr. WONG Tung-shek Heung To Secondary School (Tseung Kwan O)
Part 2 Introduction to “Integration of STEM Activities and Subject Teaching” Workshop (Pilot Scheme)	Guest Speaker and Curriculum Development Officer of Technology Education Section, EDB
Q & A Session	

SEMINAR ON INTEGRATION OF STEM ACTIVITIES AND SUBJECT TEACHING (NEW)

Handouts of the seminar can be accessed on EDB website:

<https://edb.gov.hk/en/curriculum-development/kla/technology-edu/teacher-edu-program/index.html>

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CDI020181372	<u>Seminar on Integration of STEM Activities and Subject Teaching (New)</u>	2018/12/21	Teaching & Learning	Subject/Function: Science, Technology and Mathematics Key Learning Areas Participant: Teachers of Science, Technology and Mathematics Curricula
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Handout 1_Programme rundown

Handout 2_ppt slides (Dr Woo)

Handout 3_ppt slides (Wong Sir)

Handout 4_Introduction on Workshop (CDI020181471)

Handout 5_Lesson plan (電子琴製作)

PART 2

Introduction to “Integration of STEM Activities and Subject Teaching” Workshop (Pilot Scheme)

介紹「STEM活動與學科教學的融合」工作坊 (先導計劃)

Course ID: **CDI020181471**

Date: 15 January 2019

Time: 9:30 am – 16:45 pm (6 hours)

Venue: E419, 4/F, East Block, EDB Kowloon Tong Education Services Centre

WHY ORGANISE THE WORKSHOP ?

STEM-related learning opportunities such as STEM Adventure day, STEM Week, STEM projects, STEM competitions, STEM lessons

After school STEM-related student activities/ extra-curricular activities

Intensive training programme for Principals/Vice-principals, STEM Coordinators, Heads of STEM-related KLAS, Panel Heads of STEM-related subjects

Promote STEM education through individual subjects

HOW TO MAKE STEM A PART OF YOUR EVERYDAY CLASSROOM ?

Lessons be presented as a problem or questions ?

Shift in language and expectations ?

Where ideas come from ?

Incorporate technology ?

STEM ?
STEAM ?
Any limit ?

DETAILS OF THE WORKSHOP

(PILOT SCHEME)

Nature: A train-the-trainer programme

Objective : co-construct STEM activities and lesson outline for your subject

Learning the steps from idea generation to implementation of lesson

Learning through evaluation of lesson plan exemplars

Teacher mentors for participants

Workshop is limited to 12 participants

YOU ARE INVITED TO JOIN ...

COURSE ID: CDI020181471

Commitment

Flexibility

Growth
mindset

Perspective
taking

