

RATIONALE

The workshop is designed to embrace participants to a wide range of technologies application and online tools to enhance students' learning in the science and mathematics classroom. Teachers will be guided to design a meaningful learning experience for their students using numerous ICT tools available freely through the internet. Techniques for conducting full class learning, small group learning, and stimulating discussions to enhance conceptual understanding of the usage of ICT-integrating lesson will be presented. The workshop attempts to demonstrate activities that can be used to promote meaningful learning of science and provide fruitful experiences that help students discover meaningful relationships between abstract ideas of subject and practical applications in the real world.

OBJECTIVES

The main purpose of this workshop is to provide participants the necessary information and experience regarding technology enhanced learning (TEL) approach in science subject which emphasise on the usage of online tools. The exposure to this approach may transform into innovative knowledge and skills to enable them to design and conduct TEL lesson plan in their own classroom.

- At the end of the workshop, participants should be able to:
- acquire basic knowledge and application on the 21st century learning skills in teaching;
 - describe some of the technology-enhanced teaching and learning materials available in the market;
 - develop skills in using technology-enhanced learning (TEL) applications and collaborative tools to improve teaching and learning of science;
 - demonstrate the use of online tools assessments for teaching and learning of science; and
 - raise awareness on the effectiveness and implication of TEL in teaching science, mathematics and other areas across the school curriculum.

In addition to participating in workshop activities, participants will set up dummy instructional materials and demonstrate their knowledge and skills by producing learning objects using the various applications they have learned in an effective and thoughtful way.

METHODOLOGY

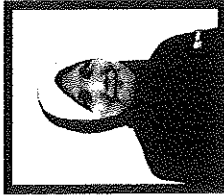
In this interactive workshop, participants will actively look at how they can transform face-to-face (F2F) learning using the Technology-Enhanced Learning (TEL) approach. They will explore how to design interactive and engaging blended learning experiences using various methods, ICT assessment and online collaborative tools. It will be a fun and engaging workshop where, participants will get a taste of how they can use technology to transform the way they facilitate learning.

WORKSHOP PROGRAMME

Day 1 (2 October 2017, Monday)		Activity
Time		
8.15 - 8.30 am		● Registration
8.30 - 10.30 am		● Overview of Effective Practice of 21 st Century Teaching and Learning through Digital Tools
10.30 - 11.00 am		GROUP PHOTO & MORNING TEA
11.00 am - 1.00 pm		● Activities to engage students (online & in the classroom)
1.00 - 2.30 pm		LUNCH
2.30 - 4.30 pm		● Gamify learning using online tools and application
4.30 - 5.00 pm		AFTERNOON TEA
Day 2 (3 October 2017, Tuesday)		Activity
Time		
8.30 - 10.30 am		● Interactives poll and quizzes
10.30 - 11.00 am		MORNING TEA
11.00 am - 1.00 pm		● Collaborative tools and Instructional Materials in Science through Open Educational Resources
1.00 - 2.30 pm		LUNCH
2.30 - 4.15 pm		● Presentation & Discussion
4.15 - 4.30 pm		● Closing & Certificate Presentation Ceremony
4.30 - 5.00 pm		AFTERNOON TEA

*This programme schedule may be subject to changes without prior notice.
Note: Participants must bring along a laptop and/or tablet in order to participate in the learning activities.

INTRODUCING THE WORKSHOP FACILITATOR



DR. FAZZLIJAN MOHAMED ADNAN KHAN

Presently, Dr. Fazzlijan Mohamed Adnan Khan is a Science Specialist at Training Programme Division, Southeast Asian Ministers of Education Organization, Regional Centre for Education in Science and Mathematics (SEAMEO, RECSAM) Penang, Malaysia. She obtained a Ph.D in e-Learning from Universiti Sains Malaysia (USM) in 2014. She received her Master degree in Educational Technology from USM in 2009 and her Bachelor degree in Science Education (Major in Biology) from Universiti Kebangsaan Malaysia (UKM) in 2003. Prior to her secondment as a science specialist at RECSAM, she has eleven (11) years of experience working as a biology lecturer in Kolej Matrikulasi, Kementerian Pendidikan Malaysia. Currently, she trains teachers and educators not only in content, but also pedagogy and innovation. She focuses on helping teachers leverage technology innovations for their digital classroom transformation. Her professional experience spans across SEAMEO member countries where she has supervised numerous courses organised by the centre and several in-country courses that focus on integrating ICT tools in education, inquiry-based science education and science process skills, and 21st century teaching and learning for enhancing creativity and higher order thinking skills. She is also actively involved in developing a regional science curriculum project namely SEAMEO Basic Education Standards (SEA-BES). She has published and presented many research articles in citation-indexed journals, and peer reviewed proceedings internationally and locally. She has experience as an external reviewer for conference journals and proceedings at national and international levels. Her research interests lie in science teaching pedagogy and classroom innovation to uplift the science achievement. In addition, her current focus specifically lies in research on technology-enhanced learning for science education.

PARTICIPATION FEES

- Type 1: RM 350.00 per participant (Without Accommodation)
- Type 2: RM 450.00 per participant (Twin Sharing at RECSAM International House)
- Type 3: RM 550.00 per participant (Single occupancy at RECSAM International House)

RECOMMENDATION AT RECSAM INTERNATIONAL HOUSE

- Check-in : A day before, 2 pm onwards
- Check-out : A day after, by 12 pm onwards

FOOD

Morning tea, lunch and afternoon tea will be provided by SEAMEO RECSAM during the workshop sessions. For stay-in participants (Type 2 & Type 3), breakfast and dinner will be provided too.

SUBMISSION AND CLOSING DATE

Place are limited to a maximum of 40 pax and will be on a first come, first serve basis. All participation forms are to be submitted to the following latest by **22 SEPTEMBER 2017**:

Director,
SEAMEO RECSAM,
Jalan Sultan Azlan Shah,
11700 Gelugor, Penang.

By fax: 04-6522737 or email: noraini_daud@reccsam.edu.my / rabiatul@reccsam.edu.my

WORKSHOP PAYMENT

The fee includes workshop materials, certificate and meals. The fee should be made payable to SEAMEO RECSAM via Cheque / Local Order / Postal Order.

For internet banking, please make payment as below:

Pay to: SEAMEO RECSAM
Bank: MAYBANK GELUGOR BRANCH, PENANG
Account Number: 5571 5700 0647

FOR ENQUIRIES

Ms Noraini Daud / Ms Rabiatul Adawiah
Email: noraini_daud@reccsam.edu.my / rabiatul@reccsam.edu.my
Telephone: 04-6522741 / 04-6522743