

# Using Online STEM Pedagogies to Enhance Your Teaching

Wednesday, 28 October 2020

ASEAN teachers are invited to join this workshop focused on the current skill gap of content integration, and the associated pedagogies that lead to optimal learning outcomes for students. This module will be presented using the 'think aloud' approach where the presenters will verbalise their thinking processes to lead the audience to understand the steps involved for effective integration.

## Who should attend

- School leaders and teachers seeking for innovative ways of teaching and learning and best practices
- Teachers from training pre-service teachers' colleges
- University lecturers, especially those engaging in pedagogical methodology design and renovation
- Government authorities responsible for education policy and organising teacher training activities
- Other private providers of teacher training and professional development programs.

## Contacts

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**Date:** Wednesday, 28 October 2020

### Time

1:30PM - 3:00PM (Indonesia)

2:30PM - 4:00PM (Philippines)

### Registration

<http://bit.ly/AseanTeachersPHIDN>



## Also in this series

[Creative Ways of Successful Teaching and Assessments Using Digital Tools in STEM Lessons](#)

[Active English Learning Strategies for Blended/Hybrid Classrooms](#)

[Digital Tools and Strategies for Enhancing Learning through English as a Medium of Instruction \(EMI\)](#)



## About the event

ASEAN teachers are invited to join this workshop focused on the current skill gap of content integration, and the associated pedagogies that lead to optimal learning outcomes for students. The purpose of the module is to understand the STEM relevancy to the particular base subject being taught, and how STEM thinking can enhance students' learning of this base subject (this is not about teaching the students more science or mathematics but about the STEM thinking). This module will be presented using the 'think aloud' approach where the presenters will verbalise their thinking processes to lead the audience to understand the steps involved for effective integration. Using a real world Sustainability problem as an example (the disposal of COVID-19 face masks), the module will be presented in 3 steps and contain 2 interactive activities:

Step 1 – Thinking and planning of the lesson/s to challenge the real world problem. The focus is on strengthening disciplinary knowledge in base subjects across the curriculum by integrating STEM thinking.

Interactive Activity 1: Developing and highlighting the need for collaboration

Step 2 – Integrative thinking of STEM across the curriculum

Interactive Activity 2: Designing the tool and highlighting the critical thinking

Step 3 – Facilitating the teaching of the lesson/s online.

## Speakers from Maths Science & Technology, Monash University



[Assoc Prof Gillian Kidman](#)



[Dr Jo Blannin](#)



[Dr Jared Carpendale](#)



[Dr Hazel Tan](#)

