

# 2017 Series 4 (Number 22)

## Problem Solving Strategies among Science Teachers in the State of Selangor, Malaysia

Date & Time: Wednesday 25 October 2017, 13:00 – 14:00 (Light lunch begins at 12:30)

Venue: E33-G021, Tin Ka Ping Lecture Hall, Faculty of Education

Language: English

Audience: UM Staff / Postgraduate Students

Online Registration: <https://goo.gl/wae4np>



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*\* A Complementary light lunch will be provided.*

### Abstract

Problem-solving is the highest level of learning in the cognitive domain. However, Malaysian students seem to lack problem-solving skills as teachers may not be employing appropriate strategies for teaching. In this study, science teachers in the state of Selangor were sampled to investigate the problem-solving strategies used. The findings indicated that teachers preferred giving factual explanations and asking students to listen to the teachers' explanation. The dominant problem-solving modes was argumentation, followed by analogizing and reasoning causally. Teachers need more instructional models for problem-solving to develop instructional strategies for inculcating problem-solving and higher order thinking skills.



### Speaker



Dr. Dorothy DEWITT is a Senior Lecturer in the Curriculum and Instructional Technology Department, University of Malaya.

She was formerly attached to the Educational Technology Division, Ministry of Education, Malaysia, where she was involved change management and managing the development of digital materials. Her publications include academic articles in ISI-ranked publications and books on problem-solving for transformative learning, collaborative mobile learning and developmental research.