

MAKING SCIENCE CONTENT MEANINGFUL THROUGH FUN AND CREATIVE ACTIVITIES



Introduction

Creativity does not just 'happen'. Each creative thought or action has a purpose behind it. Whenever someone is being creative he or she is working towards producing something, an idea to share, a question to answer, a problem, an artifact, or indeed a way of working (Feasey, 2005).

Creativity in science requires conscious thought on how to present interesting and motivating contexts and how to encourage creativity in the children, working in partnership with the teacher. Appropriate recreational activities can be introduced by the teacher to stimulate children's curiosity and creativity in science. Moreover, creative linking of science with things around promotes discovery as well as enhances meaningful learning of science.

Objectives

The main objective of this workshop is to familiarize the participants with the use of toys and low-cost high-tech materials and other manipulative as mechanisms to cultivate science interest, motivation and creativity among learners as well as developing scientific thinking skills for meaningful learning.

Specifically, at the end of the workshop, participants should be able to:

- Gain understanding on scientific thinking and creativity
- Promote toys as one of the creative and unique ways in motivating students towards learning science;
- Develop interesting and creative science activities which are fun and meaningful; and
- Gain insights in organizing school science exhibitions/shows

Tentative Programme

12 APRIL 2010 (MONDAY)

1400 - 1800 Check-in at RECSAM International House

13 APRIL 2010 (TUESDAY)

0800 - 0830	• Registration at SEAMEO Hall
0830 - 0900	• Workshop Overview
0900 - 1030	• Creativity Development in Science Education
1030 - 1100	• Tea Break
1100 - 1300	• Creative Hands-on Science Activities (1)
1300 - 1430	• Lunch Break
1430 - 1600	• Creative Hands-on Science Activities (2)
1600 - 1630	• Debrief Creativity in Science Teaching

14 APRIL 2010 (WEDNESDAY)

0830 - 0900	• Daily Overview
0900 - 1030	• Teaching Science with Toys
1030 - 1100	• Tea Break
1100 - 1300	• Hands-on Activities with Toys and Low-cost High-Tech Materials
1300 - 1430	• Lunch Break
1430 - 1630	• Hands-on Activities with Toys and Low-cost High-Tech Materials

15 APRIL 2010 (THURSDAY)

0830 - 0900	• Daily Overview
0900 - 1030	• Science Show
1030 - 1100	• Tea Break
1100 - 1300	• Science Show and General Discussion
1300 - 1430	• Lunch Break
1430 - 1630	• Science Show and General Discussion

Note: This programme is subject to change without prior notice.

Introducing the Facilitator



DR. JANCHAI YINGPRAYOON (Dr.rer.nat., Berlin) is the Immediate Past President of International Council of Associations for Science Education (ICASE). He was also Head of Physics Department and Assistant to the Director of the Institute for the Promotion of Teaching Science and Technology (IPST), Bangkok, Thailand; and the Chairman of Science Teachers' Section, Science Society of Thailand. He is a creative and humorous lecturer who makes learning science fun and meaningful. He is particularly interested in teaching science with toys and hands-on activities.

Dr. Janchai is a very well known international speaker in science education. He has been invited to many international conferences as keynote speaker. He has conducted numerous innovative workshops in many countries around the world such as China, Malaysia, Singapore, Hong Kong, Indonesia, Germany, England, France, Hungary, Canada, Argentina, Italy, India, Spain, Sri Lanka, U.K. and U.S.A. He can be reached at janchai@loxinfo.co.th

Response Sheet

MAKING SCIENCE CONTENT MEANINGFUL THROUGH FUN AND CREATIVE ACTIVITIES:

A Workshop for Science Educators

(13 - 15 April 2010)

By: **DR. JANCHAI YINGPRAYOON**

Past President, International Council of Associations for Science Education (ICASE)
at SEAMEO RECSAM, Penang

Name: _____

School/Institution and Address: _____

Telephone: Home: _____ Office: _____ Mobile: _____

Email address: _____

Do you need accommodation at RECSAM International House?

Yes: _____ No: _____

I enclose a cheque/Local /Postal Order

No: _____ bearing the sum of RM _____ as payment for the workshop.

(Please make cheque/Local/Postal Order payable to: Director, SEAMEO RECSAM)

Note: To enroll, please complete this Response Sheet and send it to:

Director

SEAMEO RECSAM

Jalan Sultan Azlan Shah, 11700 Gelugor, Penang, Malaysia

Closing date for enrolment is **31 March 2010**. Please book early due to the limited places available. RECSAM reserves the right to decline enrolment once the available places are fully booked.

If you have any enquiries, please contact:

Mr. Dominador D. Mangao

Science Specialist, Training Programme Division

SEAMEO RECSAM

Mobile: 016-4727630 Fax No.: 604-6522737

Email: dominador_mangao@recsam.edu.my

Fees

Type 1: **RM 860.00** per participant (Without Accommodation).

Type 2: **RM 1,100.00** per participant (With Accommodation, Twin Sharing).

Type 3: **RM 1,260.00** per participant (With Accommodation, Single Occupancy).

Fees are inclusive of registration, workshop materials, tea breaks and lunch during workshop sessions.

For stay-in participants (Type 2 & Type 3) breakfast and dinner will be provided.



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A Workshop for Science Educators

13 - 15 April 2010

at

SEAMEO RECSAM, Penang

by

Dr. Janchai Yingprayoon

**Past President, International Council of Associations
for Science Education (ICASE)**

Organised by

**Southeast Asian Ministers of Education Organisation
Regional Centre for Education in Science and Mathematics
Jalan Sultan Azlan Shah, 11700 Gelugor, Penang, Malaysia**

Tel: 6 04 6522700

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