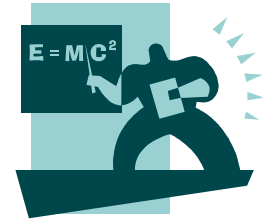


**Specially designed sessions which promise FUN Physics ideas in line with the 'O' and 'A' Level Syllabus!**



**Physics** lessons can be boring if taught directly out of textbooks and strict experiments. But if you are able to connect fun ideas of things around us with Physics, you will be able to introduce fun physics lessons every time! This workshop encompasses lots of hands-on activities. It is especially designed for teachers who teach Physics in Upper Secondary and Junior Colleges who can use the various tools to illustrate different physics theories that are suitable for their students of different academic levels and varying level of abilities.



**(W1) Fun Physics Lessons  
 Everytime ♦ 7 Sep 10**

In this one-day **hands-on workshop** with Dr Janchai, an international creative educator who has shared creative teaching ideas with teachers and students around the world, he will share with you great ideas and creative experiments to teach difficult Physics concepts like:

- Waves and Superposition of Waves
- Electromagnetism
- Quantum Physics
- Forces



**All participants will take home some fun creations plus a CD to illustrate teaching of different physics concepts covered in the workshops!**

**(W2) Teaching Physics  
 Creatively Part 1 ♦ 24 Nov 10**

The workshop will cover:

1. Exploring a microworld with a home-made microscope
2. Hands-on activities with a Laser pointer
  - Particle size determination
  - Communication with a laser beam
  - Fun with reflection of light
3. Fun with light and sound
  - Physics of a musical instrument
  - Spectrum of sunlight
4. Physics of flying objects and rockets
5. Fun with electromagnetism
  - Amazing electrostatics
  - Making your own simple motor, compass, a current meter and many other items



**Feedback from some of our past participants:**

- One of the best, if not "the best" workshop I have attended. Two thumbs up! - David Oon, Canberra Sec Sch
- Exciting, interesting speaker, who uses simple tools to explain complex physics concepts. This course should be attended by all physics teachers - Tan Meng Juat, Bendemeer Sec Sch
- Simple and practical ideas for arousing interest in the learning of Physics. Everyday materials are used which is easily available. - Mrs Cheng Lay Eng, Chung Cheng High (Main)
- It is fun and interesting. The hands-on experiments and demonstrations bring out physics in everyday life. - Ong Chee Wah, National JC

**About the Speaker**

**DR. JANCHAI YINGPRAYOON** was the first Asian President of the 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; and the Chairman of Science Teachers' Section, Science Society of Thailand. He is a creative and humorous lecturer who is particularly interested in teaching science with toys and hands-on activities. Dr. Janchai is also well known internationally and has been invited to many international conferences as keynote speaker. He has conducted extremely 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 and Sri Langka, etc.

Yes! Please register me for "Fun Physics Lessons Everytime", 9am to 5pm, 7 Sep 2010 (No Lunch Provided)

Normal rate of S\$250 nett/person     Group rate of S\$230 nett/person for 3 or more     Past participant at \$220nett\*

Yes! Please register me for "Teaching Physics Creatively 1", 9am to 5pm, 24 Nov 2010 (No Lunch Provided)

Normal rate of S\$250 nett/person     Group rate of S\$230 nett/person for 3 or more     Past participant at \$220nett\*

Institution \_\_\_\_\_ Tel \_\_\_\_\_ Fax \_\_\_\_\_  
 Address \_\_\_\_\_ S( \_\_\_\_\_ )  
**Pls indicate (P)-Normal participant or (PP)-Past participant next to name** **Please Circle Workshop/s**

Name \_\_\_\_\_ Job Title \_\_\_\_\_ HP \_\_\_\_\_ Email \_\_\_\_\_ W1 W2  
 Name \_\_\_\_\_ Job Title \_\_\_\_\_ HP \_\_\_\_\_ Email \_\_\_\_\_ W1 W2  
 Name \_\_\_\_\_ Job Title \_\_\_\_\_ HP \_\_\_\_\_ Email \_\_\_\_\_ W1 W2

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For registration, please fax, mail or email your particulars to and make your cheque payment payable to **Synergyst Pte Ltd**, 10 Tampines Road, Singapore 535065. Upon receipt of registration, any request for cancellation will be charged a 30% admin fee and must be made in writing, no later than 7 working days before the event. In the event of cancellation less than 7 working days or if participant fails to attend, the participant is liable for the full fee. Synergyst reserves the right to amend, postpone or cancel the event due to unforeseen circumstances.

Institution Stamp

\* Past participants refer to those who had attended Dr Janchai's Full-day Physics Workshops only. (WEB)