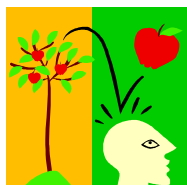


Teaching Physics Creatively

A specially designed session which promises FUN Physics ideas in line with the 'O' and 'A' Level Syllabus!



Physics need not be a serious and dry subject. Much fun and creativity can be injected into teaching the subject so as to help your students appreciate and apply the subject better. In this workshop, Dr Janchai will show you how you can

- ⊗ Make Physics activities more meaningful, effective & interesting,
- ⊗ Cultivate intrinsic motivation for learning Physics, and
- ⊗ Develop thinking abilities, problem-solving skills and creativity.



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.

PART 1 ♦ 3 June 2011

The workshop will cover:

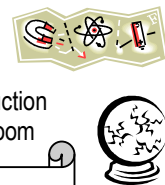
1. Exploring a microworld with a home-made microscope
2. Hands-on activities with a Laser pointer
 - Particle size determination e.g. Red blood cells and dust
 - Communication with a laser beam
 - Fun with reflection of light
3. Fun with light and sound
 - Physics of a musical instrument
 - Spectrum 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



PART 2 ♦ 9 Sep 2011

The workshop will cover:

1. Interesting Physics concepts you can learn on an airplane
2. Using fun Physics toys to teach pressure, energy, work and power
3. Using computer to teach Sound
4. Amazing Electric and Magnetic Fields
5. Fun ways to learn Electromagnetic induction
6. Detection of Radioactivity in the Classroom



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



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 Lanka, etc.

<input checked="" type="checkbox"/> Yes! Please register me for "Teaching Physics Creatively" from 9am to 5pm for (No Lunch Provided)	
<input type="checkbox"/> P1 – Part 1 on 3 June 2011 <input type="checkbox"/> P2 – Part 2 on 9 Sep 2011	
<input type="checkbox"/> Normal rate of S\$250 nett/person <input type="checkbox"/> Group rate of S\$230 nett/person for 3 or more <input type="checkbox"/> Past participant at \$220nett*	
Institution _____ Tel _____ Fax _____ Address _____ S(_____)	
PIs indicate (P)-Normal participant or (PP)-Past participant next to name Please Circle Workshop/s	
Name _____	Job Title _____ HP _____ Email _____ P1 P2
Name _____	Job Title _____ HP _____ Email _____ P1 P2
Name _____	Job Title _____ HP _____ Email _____ P1 P2
Payment by <input type="checkbox"/> IFAAS <input type="checkbox"/> Institution Cheque <input type="checkbox"/> Personal Cheque. cheque no. _____	
For registration, please fax, mail or email your particulars to and make your cheque payment payable to Synergyst Pte Ltd , 371 Beach Road, #03-31 Keypoint Singapore 199597. 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)	