

Creative linking of science with things around us promote discovery as well as add meaning to the learning of Science as a subject. In this workshop, Dr Janchai will show you --- (1) How to use items around us to make science activities more meaningful, effective & interesting (2) How to cultivate intrinsic motivation for learning science, and (3) How to develop scientific thinking abilities and creativity.



(W1) Fun Science Classroom Anytime, Anywhere ♦ 8 Sep 2010

Some topics which will be covered include:

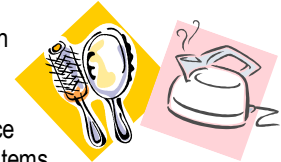
- Ⓜ **Electricity.** Learn great ideas on how to use interesting toys and tools to teach students about electric currents, circuits and waves.
- Ⓜ **Heat.** Fun ideas to illustrate to students the characteristics of heat. Effects and transmission of heat.
- Ⓜ **Light.** Great ideas to illustrate light as a form of energy and explore characteristics of light waves
- Ⓜ **Conversion of Energy.** Interesting ideas to show how energy is converted from one form to another.
- Ⓜ **Explore Forces through Simple and Fun Mechanisms.** Fun ways to illustrate forces and other science concepts and stimulate hands-on and inquisitive minds through exploring simple mechanisms.



(W2) Inspiring Science Ideas from Home ♦ 25 Nov 2010

You will be surprised that you can use home items to teach science concepts like **Forces, Energy, Electricity, Electrostatic, Heat, Light, Sound** and many more. Workshop will cover:

- Interesting ideas on using home items to arouse curiosity
- Science in Kitchen
- Science magic using common home items
- Fun science with microwave
- Designing and making science tools using day to day home items
- Great ideas you can inspire your students on making science toys from items commonly found at home



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:

- It is a fun & innovative workshop for teachers. Definitely a must have for teachers. – *Constance Lee, Junyuan Pri*
- Toys given are very useful. Hands-on activities are stimulating. It shows Science with reference to daily life, which makes learning science more meaningful. – *Nor Aisha, St Anthony's Canossian Pri*
- Creative & hands-on activities that I may use in class. I have learnt ways to make Science fun – *Angela Tan, Raffles Girls' Sch*
- It is very interesting and exciting to learn and to teach in this manner. All science teachers should attend this seminar. Nothing that I have attended so far was close/ comparable to this seminar. Superb! – *Tony Fun, Kent Ridge Sec Sch*

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.

- Yes! Please register me for **"W1- Fun Science Classroom Anytime, Anywhere"**, 9am-5pm on 8 Sep 10 (No Lunch Provided)
- Normal rate of S\$180 nett/person Group rate of S\$150 nett/person for 3 or more Past participant at \$140nett*
- Yes! Please register me for **"W2- Inspiring Science Ideas from Home"**, 9am-5pm on 25 Nov 10 (No Lunch Provided)
- Normal rate of S\$180 nett/person Group rate of S\$150 nett/person for 3 or more Past participant at \$140nett*

Institution _____ Tel _____ Fax _____
 Address _____ S(_____)

Pls indicate (P)-Normal participant or (PP)-Past participant next to name *Please Circle Workshop/s*

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| Name _____ | Job Title _____ | HP _____ | Email _____ | W1 | W2 |
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| Name _____ | Job Title _____ | HP _____ | Email _____ | W1 | W2 |

Payment by IFAAS Institution Cheque Personal Cheque. cheque no. _____

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.

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