



Cross-Disciplinary Physics Enhancement Taster Workshop:

Nuclear Power – is it a Big Friendly Giant, or a brooding monster?

&

Happy Birthday Mr. Universe – but how old are you?

30/04/2011 & 01/05/2011

Service provider: Senate House Education Centre

Instructor: Dr. Wing Lau, Current Head of Mechanical Group,
Department of Physics, Oxford University

This Physics workshop injects elements and topics that are not introduced normally in school. You will have chance to experience not only an interactive course designed and instructed by an Oxford University instructor, but also the teaching style and method that are typically being adopted in Oxford University.

The programme aims to inspire gifted students with scientific thinking and to encourage inquisitive approach to problem solving in science topics:

First day : **“Nuclear Power – is it a Big Friendly Giant, or a brooding monster?”**

Student will learn how a nuclear reactor works; what safety measures were being put in place to avoid the kind of accidents seen by Chernobyl and Fukushima and how fail safe measures slip through the safety net. They will see what happened in the nuclear plant that caused such disaster. Different types of reactor control systems and nuclear energy safety will be studied.

Second day : **“Happy Birthday Mr. Universe – but how old are you?”**.

On day two, students will see how scientists investigate the age of the universe and how much it has “grown” since its birth. Fascinating facts and figures on the expansion of the universe will be discussed.

Programme Details

Date	30 th April 2011 & 1 st May 2011	
Time	30th April, 2011 1st May, 2011	9:30a.m. – 12:30p.m. // 2:00p.m. – 5:00p.m. 1:30p.m. – 3:30p.m. // 4:00p.m. – 6:00p.m.
Venue	Unit 701, 7/F, Eton Tower, 8 Hysan Avenue, Causeway Bay, Hong Kong	
Quota	40 student members at S4 or above. If oversubscribed, applicants would be admitted to the course on a first come, first served basis.	
Language	English	
Target participants	Priority will be given to those student members in sciences domain. Applications from other interested student members are welcome.	
Certification	<u>Certificate of Completion</u> will be awarded to participants who attend all sessions.	
Course fee	Free of charge	
Application procedure & deadline	<ul style="list-style-type: none"> ❖ Complete the online application form on or before Sunday, 24 April 2011 ❖ Result will be announced on Monday, 25 April, 2011 by email. ❖ Successful applicants will have to return a confirmation slip to HKAGE by 28 April 2011. 	
Enquiry	For enquiries, please contact Mr. William Ng at 3698 3498.	