



Astronomy Workshop (SCI3451)

Guided Tour of the Universe taking-off from Kowloon Tong

4-5 December 2010

Co-organiser: Hong Kong New Generation Cultural Association Science Innovation Centre

Astronomy Workshop includes lectures on topics including basic astronomy, real-life and internet stargazing techniques and aerospace technology. The workshop also includes interactive and hands-on activities, such as simple telescope making, indoor and outdoor stargazing, use of various astronomical instruments, games & quizzes. Participants will be able to identify elements, star patterns of the season and different types of celestial and will have an in-depth understanding on the relationship between astronomy and physics. Activity details please refer to the attached schedule.

Programme Details

Intended Learning Outcomes	After taking the activity, students should be able to: <ol style="list-style-type: none">1. Identify elements, star patterns of the season and different types of celestial;2. Have the technical skills in the use of astronomical optical instruments and tools for observing celestial objects;3. Explain astronomical phenomena;4. Have an in-depth understanding on the relationship between astronomy and physics;5. Have an in-depth understanding on the science & technology of space exploration.
Date	4-5 Dec, 2010 (Saturday & Sunday) <i>* Please refer to the attached schedule for details.</i>
Time	8:30 am (4 Dec) to 3:00 pm (5 Dec)
Venue	<u>Gathering Point</u> Time: 8:30am, 4 Dec 2010 (Saturday) Venue: Somerset Road, Kowloon Tong (near the Yew Chung International School) The workshop will take place in Hong Kong New Generation Cultural Association Science Innovation Centre & Sai Kung Outdoor Recreation Centre in Sai Kung.

Target Participants	S1 to S4 student members (Priority will be given to members in Sciences domain)
Quota	30 (First come first served)
Language	Cantonese with English supplemented where necessary
Course Requirement	<u>Certificate of Completion</u> will be awarded to participants who are able to fulfill all the course requirements including full attendance.
Course Fee	Free of charge
Application Procedure & Deadline	<ul style="list-style-type: none"> ❖ Students should download the Application Form from the following website: http://www.hkage.org.hk ❖ Students should submit the completed Application Form to <i>The Hong Kong Academy for Gifted Education</i> by mail or by fax (<i>Fax number: 2490 4730</i>) on or before <u>25 Nov 2010 (Thu)</u>. Late application will not be considered. ❖ The list of successful applicants will be posted on the website http://www.hkage.org.hk after 5:00pm on <u>29 Nov 2010 (Mon)</u>. No further notification will be made. ❖ Successful applicants should download a “Confirmation Slip” from the above website. Completed Confirmation Slip should be faxed to the Academy by the deadline mentioned on the slip.
Enquiry	For enquiries, please contact Ms Yip at 3698 3498 or Mr Kwong at 3698 3494.

Schedule

** Please wear pants and suitable clothing for the camp activities.*

Time	Activity	Venue	Person-in-charge
08:35 (Day 1)	Roll call & boarding shuttle bus, depart Kowloon Tong	Somerset Road, Kowloon Tong (near the Yew Chung International School)	Staff from HKNGCA Science Innovation Centre & HKAGE
09:30	Science Talk – Astronomy of China	HKNGCA Science Innovation Centre	Prof. Chan Kwing Lam.
11:00	Warm up activities/games	HKNGCA Science Innovation Centre	Staff from HKNGCA Science Innovation Centre
11:30	Visit Exhibition Hall	HKNGCA Science Innovation Centre	Dr. Jimmy Wong
12:00	Lunch	HKNGCA Science Innovation Centre	Staff from HKNGCA Science Innovation Centre
13:00	Briefing on camp site facilities	HKNGCA Science Innovation Centre	Staff from <i>Sai Kung Outdoor Recreation Centre</i>
13:20	Astronomy Talk I	<i>Sai Kung Outdoor Recreation Centre</i>	Mr. Ricky Tsui
14:30	DIY telescope and telescope introduction	HKNGCA Science Innovation Centre	Mr. Ricky Tsui
16:30	Distribution of camp site rooms	<i>Sai Kung Outdoor Recreation Centre</i>	Staff from HKNGCA Science Innovation Centre
17:00	Astronomy Talk II and indoor planetarium activity	<i>Sai Kung Outdoor Recreation Centre</i>	Mr. Ricky Tsui
18:30	Dinner	<i>Sai Kung Outdoor Recreation Centre</i>	Staff from <i>Sai Kung Outdoor Recreation Centre</i>
19:30	Astronomy observation	<i>Sai Kung Outdoor Recreation Centre</i>	Mr. Ricky Tsui
23:00	Shower & Sleep	<i>Sai Kung Outdoor Recreation Centre</i>	Staff from HKNGCA Science Innovation Centre
08:00 (Day 2)	Breakfast	<i>Sai Kung Outdoor Recreation Centre</i>	Staff from <i>Sai Kung Outdoor Recreation Centre</i>
09:30	I want to be an Astronaut	HKNGCA Science Innovation Centre	Mr. Lui Kin Chuen
10:30	Games & quizzes	HKNGCA Science Innovation Centre	Dr. Jimmy Wong
12:00	Sharing session, presentation of certificates	HKNGCA Science Innovation Centre	Dr. Jimmy Wong
12:30	Lunch	<i>Sai Kung Outdoor Recreation Centre</i>	Staff from <i>Sai Kung Outdoor Recreation Centre</i>
13:30	Packing belongings	<i>Sai Kung Outdoor Recreation Centre</i>	Staff from HKNGCA Science Innovation Centre
14:00	Depart camp site	<i>Sai Kung Outdoor Recreation Centre</i>	Staff from HKNGCA Science Innovation Centre
15:00	Arrive Kowloon Tong and dismiss	Outside Kowloon Tong Education Service Centre, Suffolk Road	Staff from HKNGCA Science Innovation Centre