








# Day Camp - Solar Power (CD00081819)

<p><b>Introduction</b></p>	<p>The course is organised under the Talents, Aspiration and Excellence (TAE) Programme of City University of Hong Kong to nurture gifted secondary school students to prepare for university education: <a href="http://www.cityu.edu.hk/nurturetalent/index.html">http://www.cityu.edu.hk/nurturetalent/index.html</a>.</p> <p>Solar energy represents the largest resource of renewable energy. It holds great promise for future clean energy supply to improve sustainability. In this course, an overview of solar thermal energy conversion, photovoltaics (PV) and photocatalysis will be given. The students will meet with the CityU Solar Car Team and learn how a solar car is designed and built. The students will also do a design project to gain some hands-on experience in solar PV. The students will appreciate the great potential and opportunities solar energy has for the future energy market.</p> <p>This programme is co-organized by the HKAGE and City University of Hong Kong (CityU). A support session conducted by the Affective Education Division (HKAGE) will also be included in the orientation session of this workshop.</p>
<p><b>Programme Type / Level</b></p>	<p>Intermediate Workshop in Renewable Energy (<a href="#">Token-required</a>)</p>
<p><b>Instructor(s)</b></p>	<p><b>Prof Michael Leung</b> Prof Michael Leung is a professor and associate dean in the School of Energy and Environment of the CityU. Solar energy is one of his research interests. He has published 100+ papers in top journals in energy related fields and is recognized as a highly cited scholar.</p>
<p><b>Target Participants</b></p>	<p> <ul style="list-style-type: none"> <li>➢ S4 – S5 HKAGE student members in 2018-19 academic year only</li> <li>➢ Capacity: 12</li> </ul> <p><i>* If student members apply for more than one programmes co-organised by the HKAGE and CityU (i.e. Day Camp – Solar Power (CD00081819) and Trading Course (CD00091819), they may be accepted for one programme only.</i></p> </p>
<p><b>Medium of Instruction</b></p>	<p> English with English handouts (AE support session will be in Cantonese)</p>
<p><b>Certificate</b></p>	<p> <ol style="list-style-type: none"> <li>1. <b>Certificate of Completion</b> will be issued by the City University of Hong Kong AND</li> <li>2. <b>E-Certificate of Attendance</b> will be issued by the HKAGE to participants who have: <ul style="list-style-type: none"> <li>❖ Attended <b>ALL sessions</b>; AND</li> <li>❖ Completed all the assignments with <b>satisfactory performance</b></li> </ul> </li> </ol> </p>
<p><b>Intended Learning Outcomes</b></p>	<p> Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the scientific principles of various solar power technologies; and</li> <li>2. Design solar PV panel to supply clean electricity for specified demand.</li> </ol>
<p><b>Screening</b></p>	<p> Please answer the screening question in the online application form. *The screening question is designed to collect more background information about the applicants. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. The students who can demonstrate motivation and basic knowledge of science will be given higher priority in enrolment.</p>
<p><b>Application Deadline</b></p>	<p style="text-align: center;"><b>29 Apr 2019 12:00 n.n</b></p> <p style="text-align: right;"><b>Application Result Release Date 10 May 2019</b></p> <p>Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.</p>

## Schedule



Session	Date	Time	Venue	Remark
1	13 Jul	10:00 a.m. – 11:45 p.m.	Connie Fan Multi-media Conference Room, Floor 4, Cheng Yick-chi Building, City University of Hong Kong *	Orientation Session
2	15 Jul	9:30 a.m. – 12:30 p.m.	<b>Room G4302, Green Zone, Level 4, Yeung Kin Man Academic Building, City University of Hong Kong</b> ( <a href="#">Location Map</a> )	Lecture 1
3		1:30 p.m. – 4:30 p.m.		Lecture 2

\*Tat Chee Avenue, Kowloon, Hong Kong ([Map](#))

## Enquiries



For enquiries, please contact us at 3940 0101. After language selection, press “1”

SCIENCES

科學