



香港資優教育學苑 The Hong Kong Academy for Gifted Education

Introductory Workshop in Robotics (TECP1101)
(Token-Required)

ROBOTS! TO THE LAND

8 August – 9 August 2013

Service Provider: Hong Kong Robotic Olympiad Association








We have limited physical ability, but we have unlimited creativity. We make powerful robots to complete the tasks which we are powerless to do. In this programme, you will learn mechanics, electricity and machine theories.

You will apply these to design a charismatic and strong
4-legged tug of war robot.

Will your robot tough enough
to rule the land?



Programme Details

Date, Time and Venue 	8 August – 9 August 2013 9:30 a.m. – 4:30 p.m. Room 305, The Hong Kong Academy for Gifted Education										
Target Participants 	<ul style="list-style-type: none"> ❖ 20 HKAGE student members ❖ P5 to P6 *Priority will be given to students who are in P6 and have enrolled to “Intermediate Workshop in Robotics: Robots! To the Sea!” (TECP2102)										
Medium of Instruction 	Cantonese										
Course Requirement 	Certificate will be awarded to participants who are able to fulfill all the course requirements which include: <ul style="list-style-type: none"> ❖ Attending ALL sessions AND ❖ Completing all the assignments with satisfactory performance 										
Intended Learning Outcomes 	Upon completion of the programme, participants should be able to: <ol style="list-style-type: none"> 1. Explain the relations between gear ratio, speed and torque; 2. Apply machine components (gear, crank and connecting rod); and 3. Analyze the factors affecting friction; 4. Make a simple electronic closed circuit; and 5. Make a 4-legged tug of war robot. 										
Course Fee	Free of charge										
Online Application Procedure & Deadline 	This is a Token-required programme. Please visit the HKAGE website for details. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;">2 Jul 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> ● Deadline for submitting the Online Application Form. Late application will not be considered. ● Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted. </td> </tr> <tr> <td style="padding: 5px;">8 Jul 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> ● Application result released on the HKAGE website. </td> </tr> <tr> <td style="padding: 5px;">15 Jul 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> ● Deadline for submitting the “Confirmation Slip” via fax or email for successful applicants. ● Applicants who are on the waiting list should notify the HKAGE via email if they decide to withdraw from the waiting list. </td> </tr> <tr> <td style="padding: 5px;">22 Jul 2013 TO</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> ● Successful applicants should log into the “Result Announcement” webpage to confirm their enrolment status. </td> </tr> <tr> <td style="padding: 5px;">6 Aug 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> ● Applicants who are on the waiting list will be notified via email or phone if a place becomes available. Otherwise, no further notice will be given. </td> </tr> </table>	2 Jul 2013	<ul style="list-style-type: none"> ● Deadline for submitting the Online Application Form. Late application will not be considered. ● Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted. 	8 Jul 2013	<ul style="list-style-type: none"> ● Application result released on the HKAGE website. 	15 Jul 2013	<ul style="list-style-type: none"> ● Deadline for submitting the “Confirmation Slip” via fax or email for successful applicants. ● Applicants who are on the waiting list should notify the HKAGE via email if they decide to withdraw from the waiting list. 	22 Jul 2013 TO	<ul style="list-style-type: none"> ● Successful applicants should log into the “Result Announcement” webpage to confirm their enrolment status. 	6 Aug 2013	<ul style="list-style-type: none"> ● Applicants who are on the waiting list will be notified via email or phone if a place becomes available. Otherwise, no further notice will be given.
2 Jul 2013	<ul style="list-style-type: none"> ● Deadline for submitting the Online Application Form. Late application will not be considered. ● Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted. 										
8 Jul 2013	<ul style="list-style-type: none"> ● Application result released on the HKAGE website. 										
15 Jul 2013	<ul style="list-style-type: none"> ● Deadline for submitting the “Confirmation Slip” via fax or email for successful applicants. ● Applicants who are on the waiting list should notify the HKAGE via email if they decide to withdraw from the waiting list. 										
22 Jul 2013 TO	<ul style="list-style-type: none"> ● Successful applicants should log into the “Result Announcement” webpage to confirm their enrolment status. 										
6 Aug 2013	<ul style="list-style-type: none"> ● Applicants who are on the waiting list will be notified via email or phone if a place becomes available. Otherwise, no further notice will be given. 										
Enquiry 	For enquiries, please contact Ms. Kwok at 3940 0179 or Mr. Yuen at 3940 0178.										

Programme Schedule

Session	Date	Time	Venue (the HKAGE)
1	8 Aug	9:30 am – 12:30 pm	Room 305
2		1:30 pm – 4:30 pm	
3	9 Aug	9:30 am – 12:30 pm	
4		1:30 pm – 4:30 pm	

*The HKAGE: The Hong Kong Academy for Gifted Education, Sha Kok Estate, Shatin, Hong Kong ([map](#))