

Subject Code	BME2S03S
Subject Title	Reducing the Scientific Divide in Secondary Students through STEM (Science, Technology, Engineering and Mathematics) Projects
Hosting Dept	Department of Biomedical Engineering
Level	2
Class Quota	160
Medium of Instruction	English As most service beneficiaries are Cantonese-speaking secondary school students, PolyU students who speak Cantonese may have an advantage.
Subject Duration	Summer Term
Teaching Staff	Dr. Hin-chung Lau
Target Students	GUR, open for all
Pre-requisites	Nil
Selection of Students Required?	No
Subject Synopsis	http://www.mypolyuweb.hk/~hclau/BME2S03/index.html
Service Project	
What will students do to serve?	<p>The focus of the projects will be to cultivate a spirit of scientific literacy and thinking in secondary students related to human health and ocean conservation. PolyU students will be involved in the learning, teaching and designing of simple mechatronic devices to illustrate key STEM concepts to secondary students; designing worksheets to help students practice STEM concepts; organizing STEM and Marine Conservation awareness activities. The exact nature of the project may vary depending on the needs of the collaborating schools and students.</p> <p>Your service will end on 10th July, which is a competition day co-organised by WWF, YMHK and PolyU BME.</p>
Whom will students serve?	Teenagers studying in underprivileged schools
Where will students serve?	<input checked="" type="checkbox"/> Hong Kong District: _____ <input type="checkbox"/> Chinese mainland Province: _____ City: _____

Remarks: The information given above is subject to change.

	<input type="checkbox"/> Taiwan <input type="checkbox"/> Macau <input type="checkbox"/> Overseas Country: _____ City: _____
When will students serve?	Exact time may vary depending on the school to which PolyU students are attached. Week 1-4 will have regular classes and workshops. Most service activities will be between 25 th June to 10 th July. Every student must be available on 10th July for the competition day.
Fee payable by students	N/A
Enquiry	Dr. Hin-Chung LAU (Tel: 2766 7674; Email: hinchung.lau@polyu.edu.hk)