

<b>Subject Code</b>	BME2S04S																					
<b>Subject Title</b>	Reducing the Scientific Divide in Primary and Secondary Students through STEM Projects																					
<b>Hosting Department</b>	Department of Biomedical Engineering																					
<b>Level</b>	2																					
<b>Class Quota</b>	Group 1: 160 Group 2: 30																					
<b>Medium of Instruction</b>	English [Group 1: as most service beneficiaries are Cantonese-speaking secondary school students, PolyU students who speak Cantonese may have an advantage.]																					
<b>Subject Duration</b>	Summer Term																					
<b>Teaching Staff</b>	Dr. Hin-chung Lau, Ms. Jessie Kar																					
<b>Target Students</b>	GUR, open for all students																					
<b>Pre-requisites</b>	Nil																					
<b>Selection of students required?</b>	Group 1: No Group 2: Yes																					
<b>Subject Synopsis</b>	<a href="https://polyu.hk/dmogk">https://polyu.hk/dmogk</a> <a href="https://www.actionhub.hk/">https://www.actionhub.hk/</a>																					
<b>Service Project</b>																						
<b>What will students do to serve?</b>	<p>This year's theme is "STEM for Happy Ageing". The focus of the projects will be to cultivate a spirit of STEM literacy and engineering design thinking in secondary students related to technology and human health. PolyU students will be involved in the learning, teaching and designing of simple mechatronic devices to illustrate key STEM concepts to secondary students; guide and facilitate secondary students to build an assistive device to promote healthy lifestyle to the elders. The exact nature of the project may vary depending on the needs of the collaborating schools and students.</p> <p>There is a one-day STEM competition 「愛・創耆樂」 for secondary students to showcase their creativity.</p>																					
<b>Whom will students serve?</b>	Teenagers studying in underprivileged secondary schools																					
<b>Where will students serve?</b>	<table border="0"> <tr> <td><input checked="" type="checkbox"/></td> <td>Hong Kong</td> <td>District: _____</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Chinese mainland</td> <td>Province: _____</td> </tr> <tr> <td></td> <td></td> <td>City: _____</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Taiwan</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Macau</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Overseas</td> <td>Country: Cambodia</td> </tr> <tr> <td></td> <td></td> <td>City: _____</td> </tr> </table>	<input checked="" type="checkbox"/>	Hong Kong	District: _____	<input type="checkbox"/>	Chinese mainland	Province: _____			City: _____	<input type="checkbox"/>	Taiwan		<input type="checkbox"/>	Macau		<input checked="" type="checkbox"/>	Overseas	Country: Cambodia			City: _____
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<b>When will students serve?</b>	<p>Exact time may vary depending on the school to which PolyU students are attached. Week 1-4 will have regular classes and workshops.</p> <p>For Group 1, most service activities will be between 26<sup>th</sup> June and 8<sup>th</sup> July 2023.</p> <p>For Group 2, most service activities will be tentatively scheduled from mid to end of July 2023.</p>																					

<b>Fee payable by students</b>	Group 1: N/A Group 2: HK\$2,000
<b>Service Attributes</b>	
<b>Service Mode</b>	<input checked="" type="checkbox"/> #OnlineService <i>(only if the service arrangement affected by COVID-19, hence students must be available in Hong Kong in case F2F services are possible)</i>
	<input checked="" type="checkbox"/> #F2FService
<b>Service Language</b>	<input checked="" type="checkbox"/> #ServiceClient_Cantonese (for Group 1)
	<input checked="" type="checkbox"/> #ServiceClient_English (for Group 2)
	<input type="checkbox"/> #ServiceClient_Putonghua
	<input type="checkbox"/> #ServiceClient_OtherNonEnglish
<b>Service Location</b>	<input checked="" type="checkbox"/> #Location_HK (Group 1)
	<input type="checkbox"/> #Location_MainlandChina
	<input type="checkbox"/> #Location_Taiwan
	<input type="checkbox"/> #Location_Macau
	<input checked="" type="checkbox"/> #Location_Overseas (Group 2)
<b>Enquiry</b>	Dr. Hin Chung LAU ( <a href="mailto:hclau@polyu.edu.hk">hclau@polyu.edu.hk</a> ) Ms. Jessie Kar ( <a href="mailto:jessie.kar@polyu.edu.hk">jessie.kar@polyu.edu.hk</a> )