Updated on 12 July 2022

Subject Code	BME2S04	
Subject Title	Reducing the Scientific Divide in Primary and Secondary Students through STEM Projects	
Hosting Department	Department of Biomedical Engineering	
Level	2	
Class Quota	160	
Medium of Instruction	English [as most service beneficiaries are Cantonese-speaking primary school students, PolyU students who speak Cantonese may have an advantage.]	
Subject Duration	Semester 1 + Semester 2	
Teaching Staff	Dr. Hin-chung Lau, Ms. Jessie Kar	
Target Students	GUR, open to all students	
Pre-requisites	Nil	
Selection of students required?	No	
Subject Synopsis	https://polyu.hk/hFHXt	
Service Project		
What will students do to serve?	The service project in 2022 Semester 1 will promote social integration among PolyU students, primary school students and the elderly. They will join hands to participate in a half-day competition (like Mario Balloon Battle https://polyu.hk/lGcng). PolyU students will work in groups to organize 4-day STEM workshops for teaching primary school students to build robotic cars by using Micro:bit, writing MakeCode program (Drag and Drop programming) and making DIY controllers. The elderly will also participate in the workshop to learn about health information and test the robotic cars.	
Whom will students serve?	Local primary school students (direct) Elderly (indirect)	
Where will students serve?	Hong Kong District: Shatin District, Yau Tsim Mong District and Southern District Province: City: Taiwan Macau Overseas Country: City:	
When will students serve?	The activities will be held on Saturdays in Semester 1.	
Fee payable by students	N/A	
Service Attributes		
Service Mode	#OnlineService (only if the service arrangement is affected by COVID-19, hence students must be available in Hong Kong in case F2F services are possible)	

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Service Language	#F2FService
Service Location	#ServiceClient_Cantonese #ServiceClient_English #ServiceClient_Putonghua #ServiceClient_OtherNonEnglish
	#Location_HK #Location_MainlandChina #Location_Taiwan #Location_Macau #Location_Overseas
Enquiry	Miss Ryta WONG (Email: cyr1wong@polyu.edu.hk)