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	100
Medium of Instruction	English
Subject Duration	Semester 1 + Semester 2
Teaching Staff	Dr. Hin-chung Lau
Target Students	GUR, open for all students
Pre-requisites	Nil
Selection of students required?	No
Subject Synopsis	• https://polyu.hk/hFHXt

Service Project

What will students do to serve?	During direct service, students will work in groups to teach primary/high school students to build a robotic car, write a MakeCode program (Drag and Drop programming) and DIY a controller. Students studied in this subject will join hands with COMP2S01 students to hold a half-day STEM competition.
Whom will students serve?	Local primary school students (face-to-face), or High school students in South Africa, Vietnam and Bangladesh (online)
Where will students serve?	☒ Hong Kong — District: _____ ☐ Chinese mainland — Province: _____ / City: _____ ☐ Taiwan ☐ Macau ☒ Overseas — Country: South Africa, Vietnam and Bangladesh (TBC) / City: _____
When will students serve?	The activities will be held on Saturdays and semester break. <u>Most groups will complete the services in Semester 1. A few groups will complete their service during winter break and January 2022.</u>
Fee payable by students	N/A

Subject and Service Attributes

Teaching and Learning	☐ #OnlineTeaching ☒ #HybridTeaching
Service Mode	☒ #OnlineService ☐ #HybridService ☒ #F2FService
Service Language	☒ #ServiceClient_Cantonese ☒ #ServiceClient_English ☐ #ServiceClient_Putonghua

Remarks: The information given above is subject to change.

Service Location	☐	#ServiceClient_OtherNonEnglish
	☒	#Location_HK
	☐	#Location_MainlandChina
	☐	#Location_Taiwan
	☐	#Location_Macau
	☒	#Location_Overseas
Enquiry		Miss Ryta WONG (Email: cyr1wong@polyu.edu.hk)

Remarks: The information given above is subject to change.