





STEM Education Service-Learning Project Preparation – Assessment Rubrics of Teaching Materials

Grade	Descriptions	
A+		• Content: Consistently well-organized and illustrated the STEM knowledge that the service recipients are required to apply in the service setting, age-appropriate, readable, aligned with STEM education service-learning project learning goals
A	Excellent (9-11)	• Plan: strong potential to effectively teach key concepts & application about STEM, providing the service recipients with a comprehensive understanding of science, technology or mathematics principles and how they can be applied in real-world scenarios.; highly related to the final conditions and the service of the service described for the STEM conditions are leaded.
A-		products/competition]; schedule has logical flow & is comprehensive (covers all knowledge deliverables for the STEM service-learning project) • Learning materials: Maximizes/creatively uses resources & innovative technologies for teaching STEM; attractive presentation; has variety of learning activities (e.g., exercises, games, worksheets) to enhance higher-level thinking, assess understanding, and engage learners in learning STEM
B+	Good (6-8)	• Content: mostly organized in presenting the STEM knowledge that the service recipients are required to apply in the service setting, ageappropriate, readable, and aligned with STEM education service-learning project learning goals
В		• Plan: <u>adequately</u> tackles key concepts & application about STEM; <u>related</u> to [the final products/competition]; schedule/flow <u>makes sense</u> and covers <u>all</u> deliverables
B-		• Learning materials: Uses some appropriate resources and technologies for teaching STEM; includes some practical learning activities
C+	Satisfactory (3-5)	• Content: some parts are organized and well-planned to explain the STEM knowledge, but overall could be more age-appropriate, readable, or aligned with STEM education service-learning project learning goals
С		<u>tragmented</u> or <u>superficial</u> ; <u>missing some</u> knowledge deliverables
C-		• Learning materials: relies on one-way teaching; uses only basic technologies for teaching STEM; learning activities are limited or focus on memorizing STEM concepts
D+	Pass (1-2)	• Content: too simple or too complicated to explain the STEM knowledge; not clearly illustrated, hard to read, or lacks alignment with STEM education service-learning project learning goals
D		 Plan: most parts are insufficient or ineffective for teaching key concepts & application about STEM; fragmented flow Learning materials: unclear, unattractive; lacks strategies or activities to engage learners to learn STEM; activities do not contribute to learners' comprehension of STEM concepts
F	Fail	Irrelevant to the STEM education service-learning project learning goals; essential deliverables are missing; materials contain inappropriate ideas or errors about STEM; lacks examples & learning activities to explain the STEM knowledge



2766 4376

■ @ServiceLearningPolyU





Funded by



