





STEM Education Service-Learning Project

Preparation – Assessment Rubrics of Workshop/Service Proposals

Grade	Descriptions				
A+		Overall attractive, well-thought-out, comprehensive plan			
		• Content:			
A		 required data/information about STEM are <u>clear & complete</u>; 			
		- day-to-day lessons tightly match/meet intended learning outcomes (ILOs) (e.g., apply the knowledge and skills of STEM they have acquired to deal with			
٨		complex issues in the service setting);			
A-		- covers <u>all</u> knowledge deliverables for [Coding/AI/Mechanical Assemblies workshop];			
	Excellent	well-suited to recipients (age group, background);			
	(9-11)	- <u>detailed</u> breakdown			
		sson plan/design:			
		- arrangement/flow of STEM lessons is logical;			
		- STEM lessons/activities & time allocation are <u>feasible</u> ;			
		- has variety of activities/strategies to enhance & evaluate STEM learning (e.g., games, hands on activities, exercises, quiz);			
		creative/optimum use of resources & information technologies (e.g., videos, social media, on-line interactive tools, props).			
		Projected workshop is attractive & effective (strong potential to engage learners).			
B+		Overall sensible plan with clear potential to meet objectives			
		• Content:			
В	 required data/information about STEM are <u>supplied;</u> 				
		 day-to-day lessons are <u>aligned</u> with ILOs; 			
B-	 covers <u>essential</u> knowledge deliverables; 				
	Good	- <u>sufficiently</u> detailed			
	(6-8) • Lesson plan/design:				
		- arrangement/flow of STEM lessons makes sense;			
		- STEM lessons/activities & time allocation are <u>feasible</u> ;			
		 includes <u>some</u> activities/strategies to enhance & evaluate STEM learning; 			
		- incorporates <u>some</u> resources & information technologies.			
	Projected workshop is effective (potential to teach le				

Funded by











Grade	Descriptions		
C+		Overall, plan more or less meets objectives but could be more detailed/attractive/complete	
	Satisfactory (3-5)	Content:	
C		 some data/information are about STEM missing or inadequate; 	
C		 lessons meet <u>most (not all)</u> ILOs; 	
		 missing 1 or 2 workshop deliverables; 	
C-		 generic or unrealistic: could be more suited to recipients; 	
		- general rundown of topics, lacking detail	
		• Lesson plan/design:	
		- arrangement/flow of STEM lessons could be more logical (fragmented/disjunct/repetitive in some parts);	
		- STEM lessons/activities & time allocation are <u>not realistic</u> ;	
		- <u>lacks</u> activities/strategies to enhance & evaluate STEM learning: heavily relies on <u>one-way</u> teaching;	
		 uses <u>only basic</u> resources & information technologies. 	
			Projected workshop is somewhat dull.
D+		Overall poor/incomplete/ineffective plan	
		Content:	
		 <u>incomplete</u> data/information about STEM; 	
D		 STEM lessons/activities are too simple or too complicated; 	
	Pass (1-2)	- too general, incomprehensible, or lacking alignment with ILOs	
		• Lesson plan/design:	
		 arrangement/flow of STEM lessons is <u>vague/questionable/fragmented</u>; 	
		 STEM lessons/activities & timing allocation are <u>not realistic;</u> 	
		 activities & strategies to teach & evaluate STEM learning are <u>missing</u>. 	
			Projected workshop is dull & ineffective.
F	Fail	Totally inadequate or no submission	
		Content:	
		- <u>incomplete</u> data/information about STEM;	
		- <u>most</u> STEM lessons are <u>not aligned</u> with or irrelevant to ILOs;	
		- <u>missing</u> key deliverables	
		• Lesson plan/design:	
		- arrangement/flow of STEM lessons hardly makes senses;	
		- <u>unrealistic or missing</u> time allocation;	
		- activities & strategies to teach & evaluate STEM learning are missing.	
			Projected workshop is haphazard.

Sllo.info@polyu.edu.hk
 2766 4376
 @ServiceLearningPolyU
 https://www.polyu.edu.hk/sllo/cbss/

Funded by





凱瑟克基金 Keswick Foundation Limited