





## YOUNG LEARNING OBJECTIVES

Course Objective C.a: Iterate and evolve the definition of what it means to engineer and be an engineer.

Student Learning Outcome: SWBAT articulate what they think an engineer is and does, at the end of the class/year, and how their thinking has evolved/changed over the course of the class/year.

SLO CE.A.4 Rubric						
Not Submitted (0)	Novice (1)	Developing (2)	Proficient (3)			
Student fails to articulate their understanding about what an engineer is and does and how their understanding has evolved over time.	Student states that their understanding about what an engineer is and does has evolved, but does so with little or no detail on how this change took place.	Student articulates how their understanding about what an engineer is and does has evolved with some detail, but explanation lacks depth or specificity in describing specific instances or experiences that led to this change.	Student articulates how their understanding about what an engineer is and does has evolved with significant detail and provides realistic and relevant examples to justify their rationale.			

Course Objective C.b: Recognize the value of engineering for all regardless of one's potential career.

Student Learning Outcome: SWBAT provide examples of how engineering plays a significant role in careers traditionally viewed as "non engineering" related

SLO CE.B.2 Rubric						
Not Submitted (0)	Novice (1)	Developing (2)	Proficient (3)			
The student neglects to provide examples of how engineering plays a significant role in careers traditionally viewed as 'non- engineering' related.	Student provides examples of how engineering plays a significant role in careers traditionally viewed as 'non- engineering' related but lacks explanation of how engineering principles or skills are utilized within these careers.	Student provides examples of how engineering plays a significant role in careers traditionally viewed as 'non- engineering' related but explanation of how engineering principles are applied in these careers is brief and lacks detail.	Student provides detailed examples of how engineering plays a significant role in careers traditionally viewed as 'non-engineering' related with thorough explanations of how engineering principles or skills are utilized within these careers.			



• Course Objective C.b: Recognize the value of engineering for all regardless of one's







potential career.

**Student Learning Outcome:** SWBAT explain how their engineering project can be applied to various fields, including those not usually directly associated with engineering.

SLO CE.B.3 Rubric						
Not Submitted (0)	Novice (1)	Developing (2)	Proficient (3)			
Student fails to explain how their engineering project can be applied to various fields, including those not usually directly associated with engineering.	Student explains their engineering project can be applied to various fields, including those not usually directly associated with engineering but lacks details and explanation.	Student explains their engineering project can be applied to various fields, including those not usually directly associated with engineering but lacks depth and thorough explanation.	Students explain their engineering project can be applied to various fields, including those not usually directly associated with engineering with significant specific details and explanation			