

General Evaluation Rubric for VEX Interfacing Unit

Criteria	Level 1	Level 2	Level 3	Level 4
KNOWLEDGE Demonstrate the principles of the process of open ended design (throughout) (glossary)	Demonstrates a limited understanding of the features of an open ended design challenge Requires remedial help in defining relevant terms	Demonstrates adequate understanding of the features of an open ended design challenge Explains major relevant terms in appropriate language	Demonstrates considerable understanding of the features of an open ended design challenge Explains all relevant terms in appropriate language	Demonstrates exceptional understanding of the features of an open ended design challenge Demonstrates exceptional research into relevant terms and meanings
INQUIRY Demonstrate competent design and fabrication techniques (throughout)	Demonstrates limited understanding in defining an appropriate design process	Maintains an appropriate design process	Develops and maintains an appropriate design process	Develops and maintains an appropriate design process, with rationalization of process selection
	Demonstrates limited maintenance of learned appropriate fabrication techniques	Demonstrates adequately safe and appropriate fabrication techniques	Demonstrates safe and appropriate fabrication techniques	Demonstrates leadership in applying safe and appropriate fabrication techniques
COMMUNICATION Write competent and relevant design and technical reports (wiki, eng notebook, build journal, competency profile) (throughout)	Reports require some remedial formatting, contain some omissions in required information Resources need further documentation to be complete, and/or have readability issues	Reports are formatted adequately, contain most required information with perhaps minor omissions Resources are documented adequately and are fairly easy to read	Reports are well formatted, contain all required information All resources are well documented and easy to read	Reports are creatively formatted, contain all required information with additional corresponding research Resources show evidence of comprehensive research and are well documented and easy to read

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APPLICATION Develop and demonstrate classroom safety procedures	Demonstrates limited attention to safety practices and associated documentation	Demonstrates adequate attention to safety practices and associated documentation	Demonstrates considerable attention to safety practises and documentation of safety information	Demonstrates leadership in safety practices, comprehensive safety documentation
Demonstrate computer documentation skills (use of Wiki, CAD software, SVC)	Demonstrates limited effort in developing computer documentation skills	Demonstrates adequate computer documentation skills	Demonstrates considerable computer documentation skills	Demonstrates leadership and exceptional competency in computer documentation skills
Develop a personal competency profile (reflection summary)	Requires some remedial work on competency profile	Developed a useful competency profile	Developed a useful and well documented competency profile	Developed a useful and well researched competency profile