

Engineering Design Rubric

	1	2	3	4
		<i>All of 1, plus . . .</i>	<i>All of 2, plus . . .</i>	<i>All of 4, plus . . .</i>
I can ask questions and define a problem.	I have a question.	My question is testable.	My question invites me to solve a problem with engineering.	My question explores new topics in engineering.
I can research a problem to gain background knowledge.	I gather information about my topic.	I use reliable sources for my research.	I use internet and print sources. I cite my sources.	I synthesize my research into a written overview of the topic.
I can create a plan to address my problem.	I have a plan.	My plan is written legibly, includes materials list and design sketch.	My plan includes details of materials needed, dimensions of my project, and a timeline for design work.	My plan is so specific and precise that anyone could follow it.
I can create a prototype/model.	I build a model.	My model follows my plan.	I use my time efficiently. I use my materials wisely.	I use unique materials purposefully.
I can test my project, collect, analyze, and interpret my data.	I test my project.	I document each test in an organized table.	I analyze my test data.	I draw conclusions from my data to help me revise my project.