

## Engineering Projects

Scientists try to understand how nature works; engineers create things that never were. An engineering project should state the engineering goals, the development process and the evaluation of improvements. Engineering projects may include the following steps:

1. Define a need
2. Develop design criteria
3. Search literature to see what has already been done
4. Prepare preliminary designs
5. Build and test a prototype
6. Retest and redesign as necessary

<b>Judging Rubric (Eng)</b>	<b>Project Title:</b>		<b>Total Points:</b>		
<b>Part I Eng Method</b>	<b>IMPRESSIVE</b>		<b>ADEQUATE</b>	<b>MINIMAL</b>	
Define a need	4	3	2	1	0
Develop design criteria	4	3	2	1	0
What has been done?	4	3	2	1	0
Preliminary design	8	6	4	2	0
Build and test a prototype	8	6	4	2	0
Retest and redesign	4	3	2	1	0
<b>Part II Clarity:</b>					
Text understandable, pts well made	4	3	2	1	0
Lettering, diagrams of appropriate size and visually appealing	4	3	2	1	0
Totals					