

**Figure 3.7: Single-Point Rubric for the Engineering Design Process**

What Can We Do Better?	Goal	We Got It! (✓)	What Did We Do Really Well?
	<b>Know the Problem:</b> We understand the <u>end users</u> ; we interviewed them or researched how they live and the problems they have.		
	<b>Know the Problem:</b> We listed our <u>constraints</u> (limitations).		
	<b>Know the Problem:</b> We decided on our <u>criteria</u> (goals) and gave them a ranking.		
	<b>Know the Options:</b> We researched and thought about what had been tried before.		
	<b>Know the Options:</b> We <u>brainstormed</u> lots of ideas.		
	<b>Develop a Solution:</b> We decided to make a <u>prototype</u> of a solution that fits the criteria and constraints.		
	<b>Develop a Solution:</b> We made an <u>Initial Design Plan</u> and decided what <u>materials</u> we would need.		
	<b>Develop a Solution:</b> We followed our plan to <u>build</u> a prototype.		
	<b>Develop a Solution:</b> We tested our prototype to see if it would work and we got some <u>feedback</u> from others.		
	<b>Develop a Solution:</b> We <u>modified</u> or made plans to modify our prototype based on our testing or feedback. Our solution is the best it can be <u>optimized</u> .		
	<b>Develop a Solution:</b> We communicated—presented, pitched, or explained—our solution to others.		