

Engineering Fair Project Checklist/Rubric

Name _____

Project Title _____

Preparation: _____ I turned in all steps on time. (10 points)

Engineering Design Process

_____ Ask: I clearly defined the problem that I would like to solve. This is stated as a question or "Challenge" statement. (5 points)

_____ Ask: I defined the criteria/requirements that my solution will need to meet to be successful. (5 pts)

_____ Imagine: I researched and recorded what others have done to solve the problem. (5 points)

_____ Imagine: I drew or listed a variety of ideas that I brainstormed as possible solutions. (5 points)

_____ Plan: I drew a detailed and labeled diagram (or listed step-by-step instructions) of what I plan to create. (5 points)

_____ Plan: I created a detailed list of all materials that I will use, including precise measurements. (5 pts)

_____ Create: I have pictures, drawings, or a log of each step of my building process. (5 points)

_____ Create: All changes that I made to my original plan are noted. (5 points)

_____ Test: I measured one variable that demonstrates how well my solution works. (5 points)

_____ Test: I recorded the outcome of my test in chart form. (5 points)

_____ Improve: I explained whether or not my creation solved the problem, based on my criteria. (5 points)

_____ Improve: I explained how I used my results to improve my solution, described any changes I would make in the future. (5 points)

Presentation

_____ My written material and charts/graphs are readable, clear, and easily understood. (8 points)

_____ I have all of the required parts labeled: (7 points)

- Title
- Ask
- Imagine
- Plan
- Create
- Test
- Improve

_____ My spelling and grammar have few/no errors. (5 points)

_____ I can explain my project clearly. (10 points)

Total Points: _____

Comments: