



# Engineering Project Proposal

Name: \_\_\_\_\_

What is the **problem** you intend to solve? [*Who*] need(s) [*what*] because [*why*]:

## Engineering Project: Problem Checklist

1. Your teacher may put some restrictions on projects. Have you met your teacher's requirements?	Yes/ No
2. Is the topic interesting enough to read about and work on for the next couple months?	Yes/ No
3. Can you find at least three sources of written information on the subject?	Yes/ No
4. Can you think of a way to measure whether your solution is better than what already exists? It is always best if you can measure your improvement numerically: cheaper in dollars, faster in time, etc.	Yes/ No
5. Can you design a solution that is safe to build, use, store, and dispose of?	Yes/ No
6. Do you have all the materials and equipment you need for your solution, or will you be able to obtain them quickly and at a very low cost?	Yes/ No
7. Do you have enough time to complete your design and make it before the due date? Allow time for doing additional research and fixing problems. It is very rare for everything to work correctly the first time.	Yes/ No
8. If you are planning to enter a science fair outside of your school:	
• Does your project meet all the rules and requirements for the science fair?	Yes/ No
• Have you checked to see if your science fair project will require approval from the fair before you begin construction?	Yes/ No

**I have discussed the project idea and the checklist with my parent(s), and I am willing to commit to following through on this project.**

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

**I have discussed the project idea and the checklist with my student, and I believe he or she can follow through with this project.**

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date