Unit 1 - Worksheet 7:

Engineering Design Project Reflections

1. In the space below:
2. Draw a neat labeled diagram of the windmill you designed and built.
3. Construct a System Schema for the wind device you built.
4. Identify at least 3 ways that ‘energy’ is involved in lifting a mass with your device.
5. In the space below, draw, label and complete an Energy Bar Chart (with energy flow diagram) and energy bar graphs and state diagrams (if appropriate) for each of the energy transfers in your device.
6. Reflect on how your group implemented aspects of the Engineering Design Cycle:
7. How did your group define the problem(s)?
8. What possible solutions did you brainstorm *before* deciding on your prototype?
9. What did you learn from building and testing your prototype?
10. Did you discover any *new* problems when implementing your solution and building your prototype?
11. If you had more time, how would you further revise your problem definition? Your solution and design?