

Name:

Date:

Class:

The Power in Prosthetics - Teacher Rubric

Group Members _____

This rubric focuses on the Engineering Design Process. Students have already completed the first three steps as a class (identify the needs and constraints, research the problem, and develop possible solutions). Groups are evaluated on the remaining steps, as reflected in the rubric.

Score Value	4 Exceeding Standards	3 Meeting Standards	2 Working Toward Standards	1 Performing Below Standards
Planning (Choosing a Solution)	Information is clear and easy to understand, includes design sketches with labeling, and completed checklist of materials used.	Information is mostly clear and easy to understand, shows evidence of design sketch with labels, and checklist of materials.	Information is not clear and/or easy to understand with some design sketches materials used are included.	Most information is not clear nor easy to understand. Checklist of materials used is incomplete.
Building a Prototype (Create)	Group takes their design and makes it into a functional and realistic prototype.	Group takes their design and makes it into a functional prototype. Prototype is realistic and somewhat functional.	Group takes their design and makes it into a workable prototype. Prototype is not realistic and not completely functional.	Group does not make a functional prototype.
Testing and Evaluating	Group correctly tested prototype, discussed and noted observations in science notebooks.	Group correctly tested prototype, discussed observations.	Group incorrectly tested prototype (e.g., did not follow guidelines), did not discuss observations.	Group did not test prototype, did not make observations
Improve and Redesign as Needed	Group makes more than one improvement to prototype based on testing and criteria of challenge.	Group makes one meaningful improvement to prototype based on testing and criteria of challenge.	Group makes an improvement to prototype, but not based on results of testing and/or criteria.	Group does make an improvement of prototype and/or does not make a meaningful improvement.