**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.

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| **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 informationis not clear nor easy to understand. Checklist of materials usedis 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 notrealistic and notcompletelyfunctional.  | Group does not make a functionalprototype. |
| **Testing and****Evaluating** | Group correctly tested prototype, discussed and noted observations in science notebooks.  | Group correctlytested prototype,discussed observations. | Group incorrectlytested prototype(e.g., did not follow guidelines), did not discuss observations.  | Group did not test prototype, did not makeobservations  |
| **Improve and** **Redesign as** **Needed** | Group makes morethan one improvement to prototype based on testing and criteria of challenge.  | Group makes one meaningful improvement to prototype basedon testing and criteria of challenge.  | Group makes animprovement to prototype, but not based on results of testing and/or criteria.  | Group does makean improvementof prototype and/or does notmake a meaningfulimprovement.  |