**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 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. |