## Design Presentation Grading Key

### Names of Students on Team

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### Project Deliverables | Score
---|---
1. **Product Description** - including novelty, creativity, and challenge  
   - How well was the product described?  
   - Level of innovation and creativity?  
   - Did they challenge themselves?  
   | /10
2. **Creo Assembly Model** - with animation  
   - Clarity  
   - Use of color  
   - Exploded/unexploded states  
   | /10
3. **Creo Exploded Assembly Drawing**  
   - Balloons  
   - Bill of Material (BOM)  
   | /10
4. **Creo Assembly Drawing with Cross Sections**  
   - Parts assembled full-view  
   - Cross-sections through all motion or attachment shaft axes  
   - Scale large enough to see detail when printed  
   - Multiple drawing sheets as required  
   | /10
5. **Creo Detail Drawings**  
   - At least one drawing fully-dimensionalized with tolerances  
   - Good clarity, layout, scaling - no text over part views  
   - Good use of tolerances (ISO tolerances for moving parts)  
   - No overlapping arrowheads (i.e. arrows flipped correctly)  
   - Hidden lines shown  
   - Center lines on all views for all circular features  
   - Correct use of title block  
   | /10
6. **Materials and Manufacturing**  
   - Show proposed Materials and Manufacturing methods in table/spreadsheet for all manufactured parts in parts list  
   - Manufacturing methods clearly considered during CAD  
   | /10

### Total Grade

| Total Grade | /60

### Comments:

Note: Total presentation grade is 100 pts. 30% for preliminary presentation, 60% final presentation, and 10% based on individual contribution to the project via the CATME evaluation.