Rubric for Aortic Valve Model Portfolio/Presentation

Name(s): _____

For each category, choose the appropriate rating level exhibited by the project and write that number in the blank space to the right of the rating. Tally the numbers to get the total score.

1. **Introduction and Rationale**
   Rating 4 (Challenge is clearly defined, and reasons for testing are given)   _____
   Rating 3 (Challenge is defined, and some explanation given)   _____
   Rating 2 (Challenge is mentioned, with little explanation given)   _____
   Rating 1 (Challenge is mentioned, with no explanations given)   _____

2. **Research**
   Level 4 (Challenge is researched, with data relevant to problem described   _____
   Level 3 (Challenge is researched, with minimal relevance to problem given)   _____
   Level 2 (Challenge is researched, with no relevance to problem given)   _____
   Level 1 (Challenge is not researched)   _____

3. **Plan/Design**
   Level 4 (Design is clearly shown and outlined)   _____
   Level 3 (Design is shown, but not clearly outlined/described)   _____
   Level 2 (Design is present, but not elaborated on at all)   _____
   Level 1 (Design is not shown or described at all)   _____

4. **Testing Procedures**
   Level 4 (Includes all steps of scientific method with explanations)   _____
   Level 3 (Includes all steps of scientific method without adequate explanation)   _____
   Level 2 (Is missing some step[s] of the scientific method)   _____
   Level 1 (Does not show signs of scientific method planning)   _____

5. **Data Presentation**
   Level 4 (Data is in graphical form and correctly labeled)   _____
   Level 3 (Data is in graphical form with some incorrect labels)   _____
   Level 2 (Data is in graphical form with no labels)   _____
   Level 2 (Data is absent/not in graphical form)   _____

6. **Data Analysis**
   Level 4 (Data is analyzed statistically and relevance is explained)   _____
   Level 3 (Data is explained, and the relevance is explored)   _____
   Level 2 (Data is presented with minimal explanation)   _____
   Level 1 (Data is not really presented or explained at all)   _____

7. **Model Construction/Testing**

Level 4 (Model is based on research with appropriate structure and testing) _____

Level 3 (Model is based on research, but lacks some structural
component; model is tested) _____

Level 2 (Model does not show planning or appropriate structure,
some testing evident) _____

Level 1 (Model is not well thought out, researched or tested) _____

8. **Conclusions**

Level 4 (conclusions and recommendations relate back to original
challenge; are well written) _____

Level 3 (conclusions and recommendations relate back to original
challenge; have some writing errors) _____

Level 2 (conclusions relate back to problem; recommendations are
absent; some writing errors might be present) _____

Level 1 (conclusions do not relate to problem; no recommendations;
many grammar errors present) _____

9. **Portfolio**

Level 4 (Portfolio is well organized, free from error, and has images) _____

Level 3 (Portfolio is well organized, few errors, and has images) _____

Lever 2 (Portfolio has some organizational and grammatical errors) _____

Level 1 (Many errors and is lacking images) _____

10. **References**

Level 4 (At least 5; each is appropriately cited with no errors) _____

Level 3 (Fewer than 5; may be errors in citing and grammar) _____

Level 2 (Fewer than 3; errors in citing and grammar) _____

Level 1 (No references listed) _____

TOTAL   (10 x 4 = 40 points maximum)   _____

Notes: