

CAD 1 – Final Project

The requirements for the Final Project are as follows:

1. Choose an object to model in Inventor. You will be given one week of class time (5 hours minimum) to complete the model.
2. Object chosen must not be too simple. It must demonstrate your knowledge and skills in inventor. Here are some of the functions we have used in Inventor:
 - a. Creating Sketches
 - b. Extruding to 3D
 - c. Drilling holes (countersinking, threaded, etc.)
 - d. Using constraints.
 - e. Mirroring
 - f. Revolving
 - g. Drawing lines, arcs, circles, splines, etc.
 - h. Dimensioning
 - i. Lettering
 - j. Selecting Materials
 - k. Fillets
 - l. Chamfers
3. Provide at least one reference **photograph** of the object you are going to model. Print it in colour (Room203-C Printer) and attach it to this sheet.
4. Answer the following question on this sheet:

What is Rendering? _____

5. Do the rendering tutorial on Mr. Eberts' website shscomputers.com (on the CAD1 page with the rest of these instructions.)
6. Answer the following question on this sheet:

Why should you always create a render of your completed objects? _____

7. Create 2 rendered views of your completed object. Use the 1024 x 768 size. Choose views that show as much detail as possible.
8. Create a Word document with your name, the date and a title at the top, then insert the rendered images. You may need to resize the images. Everything must fit on one page.

Evaluation:	Object Photo: _____ / 5	Difficulty (Self Eval): _____ / 10
	Questions: _____ / 4	Quality (Self Eval): _____ / 10
	Final renders: _____ / 10	Mastery (Teacher): _____ / 10
	Word Doc: _____ / 5	Quality (Teacher): _____ / 10

Total: _____ / 64