

Digital Fabrication Project

Here's your mission, should you choose to accept it (who are we kidding—you have no choice):

- Choose a three-dimensional object to recreate using digital fabrication
- Design and fabricate that object using an accurate scale of your choosing
- Write a one-page double-spaced paper on your object, including why you chose it, and what scale you used



Here are the rules (FYI--you have no choice but to follow these also):

- Your object idea must be approved by Mr. Jones or Mrs. Murphy before you fabricate
- Your object must be limited to four pages of fabrication. In other words, you may only print/fabricate four pages of materials.
- THERE WILL BE NO SLACKERS!!! Each group member will pull his/her own weight or his/her grade will be reduced accordingly!

Here's what will factor into your grade:

- Your creativity
- Your accuracy of scale
- The quality of written portion
- Ability to work with partner

Project timeline:

- Monday, 11/22 – watch video tutorials; play with program for homework
- Tuesday, 11/23 – get partner assignments, decide on object, begin designing if there's time
- Monday, 11/29 – complete design and check for accuracy of scale
- Tuesday, 11/30 – begin fabricating
- Wednesday, 12/1 & Thursday, 12/2 (blocking) – complete fabrication and construction

FRIDAY, 12/3 – PROJECT DUE BY THE BEGINNING OF CLASS!!!

Here are some thoughts you might find helpful...

Choice of object:

- How is this object relevant to my life?
- Is this interesting to my partner and me?
- Is this something interesting to model?
- Will this be fun to build?
- Will this item be visually appealing?
- Is this something I can find the exact dimensions of, either by measuring or online?

Fabrication:

- Am I within the four-page limit?
- Is this thing going to be impossible to assemble with four billion tiny pieces?!?

Example ideas:

- a famous building
- a space shuttle
- a landmark
- an automobile
- one of your favorite things

Where to find video tutorials:

<http://digitalfabrication.wikispaces.com/ModelMaker+Tutorials+and+Videos>