

## Wood and Plastic Gadget Project – Grading Rubric

3 points each

1. \_\_\_\_ (3) On your main inventor’s notebook page, there is a clear, working link to your *Laser Cut and Plastic Gadget (with box joints)* project.
2. \_\_\_\_ (3) Is this part of your notebook well organized, and is it easy to navigate to all sub-pages/sections?
3. \_\_\_\_ (3) Did you describe the problem? – “Using the laser cutter and 3-D printer, make a wood and plastic object that incorporates box joints.”
4. Box joint practice sub-page
  - \_\_\_\_ (3) This includes a Rhino rendering (using the blue *render* button, not a screen shot) of your box.
  - \_\_\_\_ (3) Includes a description of why you were asked to make this box – that reason was to practice making box joints (which further requires you to learn to rotate, mirror, move, copy, use Osnap, etc.)
5. Snowflake sub-page
  - \_\_\_\_ (3) This includes a photograph of your completed snowflake (renderings or screen shots will get you partial credit)
  - \_\_\_\_ (3) Includes a description of why you were asked to make the snowflake – that reason was to acquire 3-D printing skills (changing units, sharing files, creating .stl files, using Cura, working with Adam in the Makerspace...)
6. \_\_\_\_ (3) Did you include at least one informative sketch of your object?
7. \_\_\_\_ (3) Did you include at least one rendering or screen shot of your virtual object in Rhino? The plastic and wood components should both be visible. You can provide separate graphics of the plastic part and the wooden part. The graphic can show your object in assembled or disassembled form.
8. \_\_\_\_ (3) Did you include at least one nice photo of your assembled version 1.0? For full credit, this prototype can be made of either wood and 3-d printed plastic or cardboard (faster to cut) and 3-d printed plastic. [For partial credit, include something as close as possible to a physical prototype.]

Grade = \_\_\_\_ / 30