




(20 pts) Approx. 2 days

The final part of our project is communication. Just as the engineering design process ends with communication, so will our last unit of the semester. It’s important to communicate your work with others because it helps share ideas, it helps you get feedback on your work, and it helps us hold each other accountable for doing good work and being done on time! Here, we’ll communicate our work using a written reflection, a picture, and by sharing with classmates.

1. **Project Reflection:** With your project complete – either your learning sequence done or your prototype finished – it’s time to think about the process. Take some time to write a full-page reflection in your notebook on what you did to complete your individual mini-project. As you write your reflection, answer the questions below:
  - a. What was your original idea?
  - b. How did that idea change as you worked through the project?
  - c. What was easy about your project? What was difficult or frustrating?
  - d. How might other engineers use the same ideas in their own work?
  - e. When you have the chance to learn a new topic or build a new thing, how will you be able to do it better?
  - f. What do you know now that you wish you had known at the start of the project? Why would that be useful to have known earlier?
2. **Picture & Flow Chart:** Now you need to draw a picture.
  - a. **If you chose to learn a new topic:** Then draw and label a flow chart that shows what you ACTUALLY ended up doing in your learning process. What resources did you find helpful in learning those new ideas, where did you find them, what did you do to practice, etc.
  - b. **If you chose to build a prototype:** Then draw a careful diagram of what you ended up building. Make sure you label your picture with dimensions and materials. What is different about your original plan and the final version?
3. **Communicate:** The last Monday of our semester will be spent sharing project work as a class. You’ll get a little bit of time to tell us about what you learned or what you made, and to give us all advice on doing the same. This will take a full class period all together, so be sure to plan that into your GANTT chart right from the beginning!

Part 3: Tasks	8 points	7-5 points	4-0 points
 Project Reflection	+ You wrote a full page reflecting on your building and learning process + You answered all the reflection questions posed above	- Your reflection is less than a full page - You did not answer all the reflection questions	- Your reflection is missing - Your reflection is off-topic
 Picture & Flow Chart	+ You drew a picture of your final prototype OR you drew a flow chart that describes your final learning process + Your diagram is easy to understand and is complete	- Your diagram/flow chart is missing important parts - Your diagram/flow chart is difficult to understand	- Your diagram/flow chart is missing
	<b>4 points</b>	<b>3 points</b>	<b>2-1-0 points</b>
 Communicate Your Work	+ Your parts are all assembled properly into the final car + Your final car looks a lot like the actual model + You assembled the car with the proper constraints	- Your assembly is incomplete - Your assembly is missing some parts	- You did not use constraints to make your assembly - Your assembly is missing

