

(40 pts) Approx. 3 days

The Engineering Design Process concludes by evaluating your solution’s success, and communicating your ideas with others. The final part of our unit gives you time to upload your submission to the Arctic Innovation Design Competition. Next you’ll look at methods of evaluating designs, and get some feedback on your idea from other students. Finally, you’ll make a prototype of your design in Autodesk Inventor.

- By September 6** you and your team need to upload your Mini-Essays and best drawings to the UAF Arctic Innovation Design Competition. (<http://arcticinno.com>) This needs to be done by **September 6**, which is before the University’s deadline. If you do not get fully submitted, then you will not receive points for the AIC Upload.
- Evaluation Matrix** – Work with your team to create an evaluation matrix. Watch the video “Using An Evaluation Matrix” and take some notes on what must be included. Create a matrix with your team that includes at least 3 criteria. Write your evaluation matrix into your notebook.
- Peer Feedback** – Find at least 2 other students in the class that are not in your team. Explain your idea to them and show them your pictures. Answer any questions they might have and ask them to rate your solution using your evaluation matrix. Record any additional feedback (positive or negative) that you receive in your notebook.
- Autodesk Model** – Use Autodesk to create a 3D model of your solution. Make sure that your model has reasonable proportions, and that it looks like the solution your team developed. Save your 3D Part as an .IPT file on your jump drive.
- Blog It!** – Communicate your work with our class by writing a complete Blog Post with your team. Use the Google Form from our website to submit your Blog post.

Evaluation Matrix for <i>New Mountain Dew</i>	Rating (1-5) from Person A	Rating (1-5) from Person B
Is it an exciting color?	4	3
Does it taste good?	5	3
Is the label attractive?	3	2

Part 3: Tasks	10 points		0 points
☆ AIC Upload (10 pts)	All team submissions uploaded by the due date (Sept 6)	N/A	- Team submissions not uploaded on time
🗨️ Blog it!	+Share your work by writing a blog post for the LHS Engineering Blog	- Your blog post is incomplete	- Your team’s blog post is missing completely
	5 points	4-3 points	0 points
📄 Evaluation Matrix	+ Your team developed an evaluation matrix with 3+ criteria + Your evaluation matrix is written in your engineering notebook	- Your evaluation matrix has only 2 criteria	- Your evaluation matrix has 0 or 1 criteria
📄 Peer Feedback	+ You received feedback from at least 2 other teams + The feedback you received used your evaluation matrix + Your feedback is recorded in your engineering notebook	- You only received feedback from 1 other team - Feedback did not use evaluation matrix	- No feedback received - Feedback not connected to product - Feedback not recorded in notebook
⊕ Autodesk Model	+ Your model is built in Autodesk + Your model is recognizable	- The model is not totally recognizable	- Your model is incomplete or not done
⊕ Autodesk Model Continued	+ Your model has reasonable proportions + Your model demonstrates the solution well	- Your model does not have reasonable shape/size	- Your model does not represent the solution

