

Inflatable Structure

E.Q. What is an inflatable structure, how will I make it, what will I practice and learn?

Inflatable structures are made from plastic & blown up with air from a small fan.

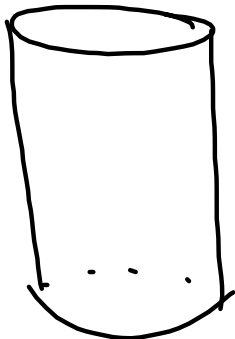
L.S. rules:

- You'll have 11" x 17"
- Based on familiar shapes
- Neat, clean, no overlaps, minimal tape, reasonably complex
- Fan will be controlled by an Arduino

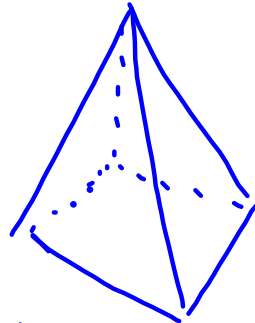
SHAPES:



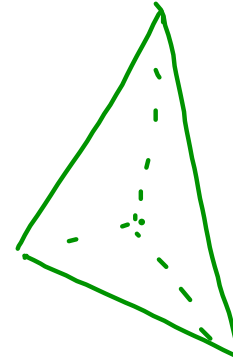
Rectangular
Solid



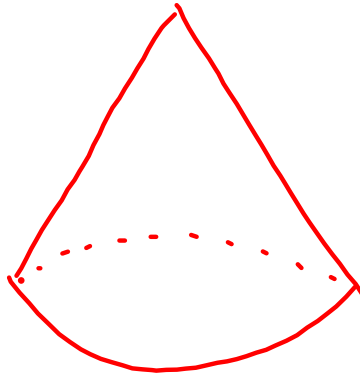
Cylinder



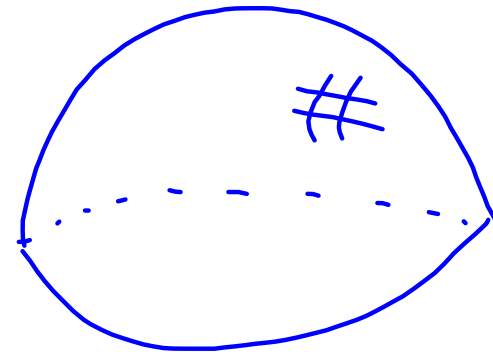
4-sided
pyramid



3-sided
pyramid



Cone



Dome

- All of your designs need to be created/perfected in SolidWorks before you get your plastic
- Before you make a design, make a paper model ★
You need to have at least five total shapes (3 different ones)
- ★ Leave an opening around 2"x2" for the fan.
No paper blocking airflow...

