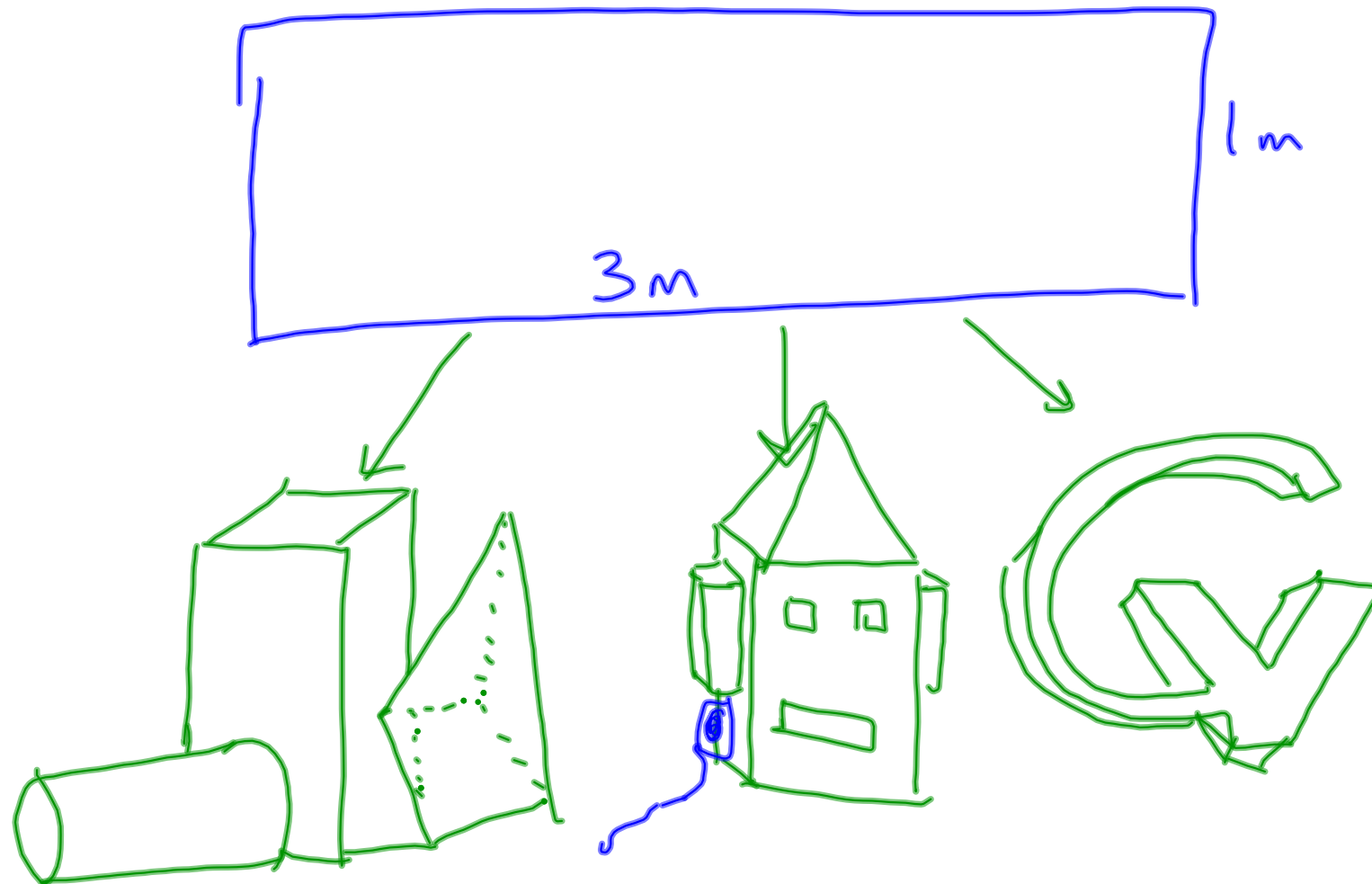


# Inflatable Structures:

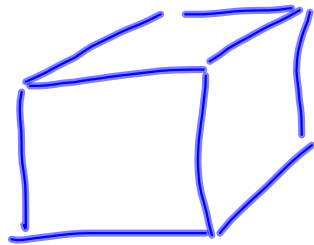
- A building or any other shape, made of soft plastic, inflated with a small fan
- This will be used to illustrate:
  - A + CAD
  - Scale, area, & volume
  - design & build

## Overall process:

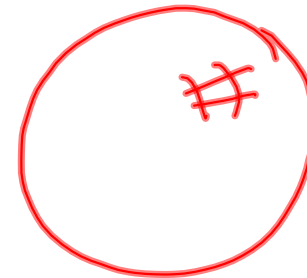
- ① Brainstorm - thumbnail sketches
- ② Rough drawing
- ③ Scale model (paper)
- ④ Scale layout drawing (AutoCAD)
- ⑤ Construct your structure



E  
A  
S  
Y

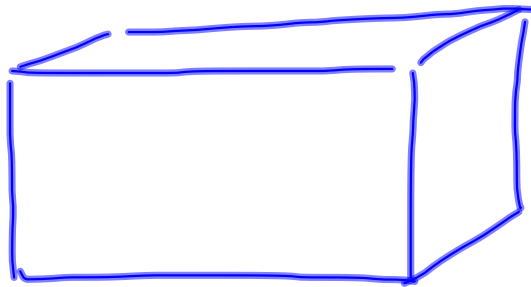


Squares

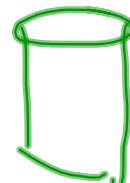


Sphere

H  
A  
R  
D

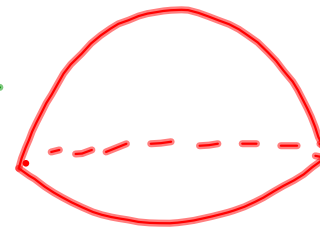


Rectangular solids



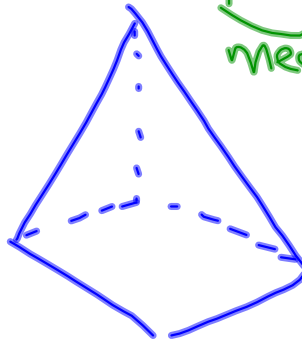
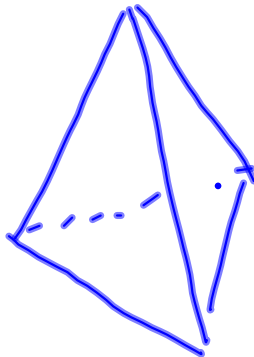
cylinder

medium...



Dome

Pyramids




Cone

Your design must have  
3 shapes (2 different kinds)

Individual work until you've  
completed a layout drawing \*

\* You must have a different design  
from your partner

Today: Make 4 thumbnail sketches  
(4 different structures) 2 min/sketch

<p>Drawings should fill space</p> <p>Identify</p> <p>① shapes you've used</p> <p>② inflatable structure w hold</p>	<p>Name</p>
 <p>Luxury hotel</p> <p>rect. solid</p> <p>cylinder</p> <p>4-pyr.</p>	

clean sheet of paper