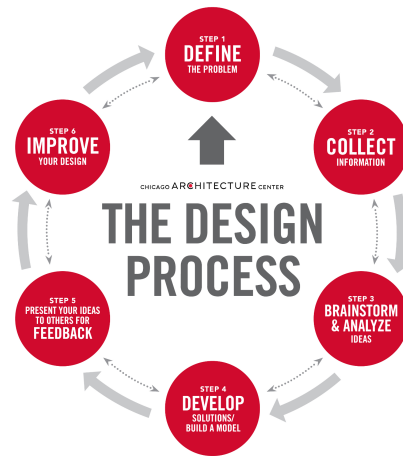


## ***Prototyping to Perfection: a lesson in Learning the Power of Prototyping***



Select a design problem of the provided list on the next page. Think about how you might design it. What materials will it require? What size and shape is it? What will the final prototype look like?

Your job is from your selected design problem to make 5 preliminary sketches, 3 prototypes and a final CAD drawing.

For maxim achievement you need:

5 Preliminary Sketches with labels

Paper prototype (May be scaled down)

Cardboard Prototype (Full Size)

Final Prototype (Full size 3D Printed, Matt Board, Wood)

Final CAD Drawing (Top, Front, Right Side and dimensions)