**PHASE 1: Design**

What is your object?

Draw a rough draft of your object here.

Break your object into regular shapes and list them here (for example, ice cream in a cone would be made up of maybe a sphere and a cone).

What is the purpose of your object? What about your object allows it to perform this function?

What properties will you analyze? (remember to take into consideration the purpose of your object when determining what properties to analyze)

1) Surface Area

2) Volume

3)

4)

List the shapes, the dimensions of those shapes, and decide on a starting dimension (remember units!!) Follow the given format or come up with your own if it works better for you.

Shape - Description within object

Dimension 1 - Value

Dimension 2 - Value

Dimension 3 - Value