**3D Cardboard Design**

In this task you and your group will take the cardboard given to you and design a 3D figure that has a given total surface area. The actual dimensions are up to you, but keep in mind that you have a limited amount of cardboard to utilize.

1) Get you shape, cardboard, and area requirements from your teacher

2) Discuss in your group initial ideas for the design

3) Draw a sketch of the design and discuss what shapes need to be created for such a design.

4) Create the shapes, cut them out, and put your 3D figure together.

5) Prepare to share with class your design and the mathematics showing that it meets the requirements.