Mystery Architecture
Science Olympiad North Regional Tournament at the University of Florida

Name(s): _______________________________________________________

Team Name: ____________________________________________________

School Name: __________________________________________________

Team Number: ________

Rank: _____
Points: ____
**Construction Instructions:**

Build the lightest tower you can that can hold a 100.0 g weight at its top given the materials provided. It MUST be freestanding, meaning it must not be attached to things like tabletops, ceilings, or any other support.

Remember, the bag the material is given in and the instructions are NOT to be used. The only materials that are permitted are what is provided in the bag. You may use a pair of scissors, a linear measuring device, and a pair of pliers if you brought any of those items with you to assist in the construction of your design, but it may NOT be a part of the final product that will be tested.

Your bag should contain the following:
- 1 100.0 g load
- A quarter of a newspaper sheet
- 1 roll of masking tape
- Rigatoni pasta
- 10 paper clips per team
- 8 straws
- 2 ft of string

**Scoring:**

If your tower holds the load, then you will be placed in Tier 1, and if it fails to, then you will be placed in Tier 2. All teams in Tier 1 are automatically at a higher ranking than those in Tier 2. The weight of your tower will determine your score (Primary Dimension). If there is a tie, it will be broken by the height of your tower up to the top of the load: the taller tower will be scored higher; otherwise the height of your tower will not be taken into consideration (Secondary Dimension).