

Mystery Architecture

Science Olympiad North Regional
Tournament at the University of Florida

Rank: _____

Points: _____



Name(s): _____

Team Name: _____

School Name: _____

Team Number: _____



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).