

Name _____
School _____

Mystery Architecture
K, JT, LD Scrimmage 11/4/17

Task Goal: Build a tower that holds up a water bottle as high as possible

Materials

- 4 sheets of paper
- 4 mailing labels
- 4 pipe cleaners
- 2 paper cups
- Weight: Unopened water bottle

Rules:

- Do not touch the bags prior to timer start
- The towers must be free-standing while supporting weight. No touching during measurement.
- Towers may NOT be attached to the table
- Participants must focus only on their own projects, and not on others.
- If questions, you may raise your hand, and one of the adults will come over
- Once your tower is complete, raise hand to be evaluated. Wait next to your tower until an evaluator comes over
- Peeking at other students' projects before having their own appraised will result in reduction of points from score
- Each student must also briefly explain (20 words or less) to the evaluator why they chose the design they did for the tower
- The proctor will capture the time of completion for reference. If full time, note as 50 min. This will not be used for scoring. Time _____

Scoring

- Primary Dimension - Height will be measured to the nearest 0.1 cm from the table top to the uppermost point of the water bottle, wherever it is on the tower at time of measurement
- Secondary Dimension - If the top two towers are exactly the same height, then the one using fewer materials will be scored higher.

Primary Dimension Score		Secondary Dimension Score	
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Total Score _____