

Tallest Tower Experiment: Structures and Forces

Name: _____

Purpose: To construct a structure, the TALLEST TOWER, that is self-supporting.

Specifications:

Materials:

- Five (5) index cards
- Thirty (30) cm of masking tape
- Scissors

Rules:

- Tower must be free standing, IE not attached to the table surface in any manner.
- Tower must be moved to the test table for testing.
- Students can cut cards and tape to make any arrangement that will work.
- Students cannot get any extra materials.
- Students will be given 20 minutes of PLANNING TIME (Design plans, select one to build)
- Students will be given 20 minutes of BUILDING TIME

Evaluation: Hurricane Hairdryer Test!!!

Name of Tower: _____

Height of tower: _____

Free Standing: Yes or No

Successfully moved to testing table: Yes or No

Distance: 50 cm 75 cm 100 cm

Wind Force: Level One Level 2

Team Evaluation of Structure:

Where did our tower succeed? Where did our tower fail? How could we improve our design?

How could we have improved our work habits?

Tallest Tower Experiment: Structures and Forces

Name: _____

Purpose: To construct a structure, the TALLEST TOWER, that is self-supporting.

Specifications:

Materials:

- Five (5) index cards
- Thirty (30) cm of masking tape
- Scissors

Rules:

- Tower must be free standing, IE not attached to the table surface in any manner.
- Tower must be moved to the test table for testing.
- Students can cut cards and tape to make any arrangement that will work.
- Students cannot get any extra materials.
- Students will be given 20 minutes of PLANNING TIME (Design plans, select one to build)
- Students will be given 20 minutes of BUILDING TIME

Evaluation: Hurricane Hairdryer Test!!!

Name of Tower: _____

Height of tower: _____

Free Standing: Yes or No

Successfully moved to testing table: Yes or No

Distance: 50 cm 75 cm 100 cm

Wind Force: Level One Level 2

Team Evaluation of Structure:

Where did our tower succeed? Where did our tower fail? How could we improve our design?

How could we have improved our work habits?