

Project 1: The Leaning Tower of Pasta

Description:

Your task is to build a tower to support an egg using marshmallows and dry spaghetti noodles. Taller is better and you are encouraged to use your material efficiently.

Towers will be scored using the following formulae:

$$\text{Score} = \frac{\text{distance from ground to egg (in cm) squared}}{\text{total number of noodles and marshmallows}}$$

The highest score wins!

Date Due:

Thursday April 2, 2009

form teams, plan project

Tuesday April 7, 2009

build tower

report results, turn in journal

turn in participation sheets

Notes:

- You are not allowed to use anything but spaghetti and marshmallows
- Your tower must support the egg for at least one minute
- Your tower must be over 10 cm tall
- You cannot break the spaghetti noodles into pieces smaller than a quarter of their length.
- You cannot tear the marshmallows apart
- Remember that this is a team effort. Every member of the team is to help build the tower.