

Ping Pong Structure

Time needed: Two class periods.
One class period for experimentation and one class period for testing.

Objective: Using the problem solving process and the materials that you are given, design and construct a device, a structure, a support system to support one ping pong ball as high up off of the floor as possible.

Materials: Two sheets of high tech structural paper.
Four feet of expensive super strong sting.
Fifteen inches of scotch tape.
One pair of scissors.
One ruler.

Limitations: Your solution must be attached to and projected from the floor or table top only.
You may only use the materials supplied by your instructor.
The ping pong ball must be at the highest point of your structure.
The structure must hold the ping pong ball for a period of 30 seconds.
Use the correct amount of materials each time you are designing and constructing your structure in the experimentation and refinement stage.

Evaluation Criteria	Points Possible	Points Earned
Worker Productivity	10	_____
Method of using the problem solving process.	10	_____
Log of generated ideas.		
Height of tower	5	_____
Total Points	25	_____