

Food Fight!

The problem....

The Whole Egg company is looking for a device that can accurately toss an egg 10 feet. Your challenge is to design a device that can toss an egg ten feet into a 2ft diameter garbage can. You will be allowed three chances to test the accuracy of your machine. The egg must be in the air for at least ten feet and land in the garbage can. Use your knowledge of forces, rate and trajectory while designing your machine.

Materials: You are allowed to use any equipment in the laboratory.

Also, you are allowed to use anything you may have at home (legos, erector sets, scrap wood etc.)

You may buy materials if you wish. However, they have to be approved by the instructor and the total cost cannot be higher than \$3.50.

Grading: For this project the grading will be as follows:

Accuracy (20pts) _____

Creativity (20pts) _____

Group Participation (10pts) _____

Total _____

Warning!!!!!!

Those groups that show extraordinary effort and enthusiasm will be allowed to use their machine to launch eggs at a distance of 15ft at a picture of their teacher for extra credit.