CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY

Name(s)

Bedig D. Deirdeirian

Project Number

31945

Project Title

Bombs Away! A Ping-Pong Catapult

Abstract

Objectives/Goals

The purpose of my project is to answer the question,"Which position would propel the ping-pong ball further?" I predict that if the catapult is pulled furhter back, then the ping-pong ball will have a better chance of landing in the bucket.

Methods/Materials

The Procedure of my project is to build a homemade catapult that launches ping-pong balls. You must hold the top arm at a certain degree that is written on the white circle. Then when you launch it, wait unntil the ball stops. Then it and record your data.

Results

As the graph shows yhe average for 20 degrees is 7'8". The average for 40 degrees is 4'8". the average for 60 degrees is 6'5". The average for 80 degrees is 8'2". The average for 100 degrees is 10'6". The average for 120 degrees is 9'2".

Conclusions/Discussion

My hypothesis was correct. My prediction was the more you tilt the catapult the further it will launch. The lowest my catapult launched was 2'4". The highest the catapult launched was 15'6".

Summary Statement

A catapult that launches and measures how far ping-pong balls can be launched into the air.

Help Received

Father helped to build the ping-pong catapult.