

Rube Goldberg Machine Projects

Physics

1st Semester

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What is a Rube Goldberg Machine?

- Rube Goldberg was an engineer who spent his life working as a cartoon strip writer.
- A Rube Goldberg machine is a creation that demonstrates a complicated way to perform a simple task.
- Rube Goldberg machines are complicated, fun, and over the top!

Physics students were asked to build a Rube Goldberg machine that:

- Has 6 or more steps
- Completes a desired task (pop a balloon, fill a bottle, shoot a projectile, etc)
- Lasts a minimum of 10 seconds and a maximum of 5 minutes
- Has a theme
- Raises an object 35 cm
- Has a poster to go with the physical project

Here's what they came
up with!!



Gabe Jones, Erick Perez, Aldon Smith, Collin Peterson

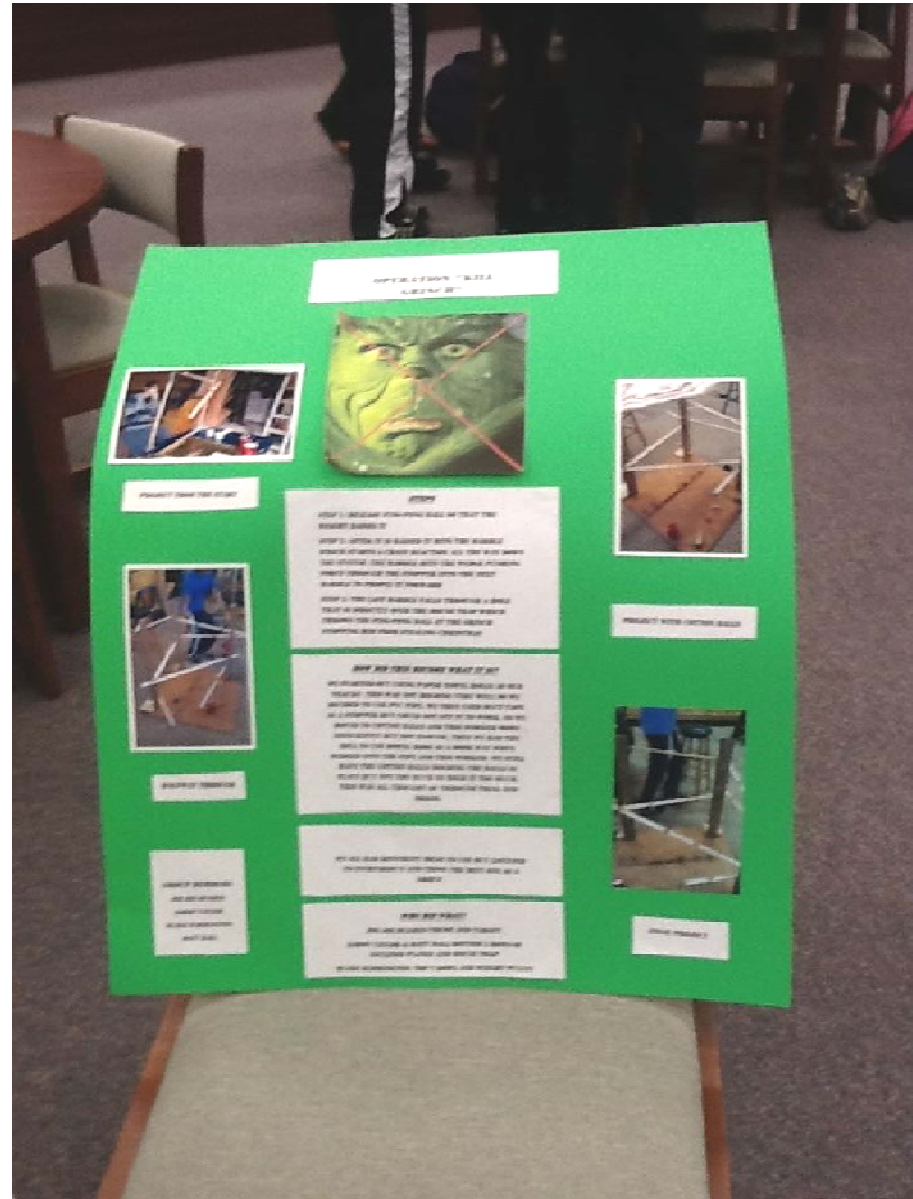
This machine had a military theme! It's end result was to raise an American flag!!



Blake Harrington, Joe-Joe Hughes, Aaron Taylor, Matt Hall

With a Christmas theme, this machine fired a ping-pong ball at a poster of the grinch!

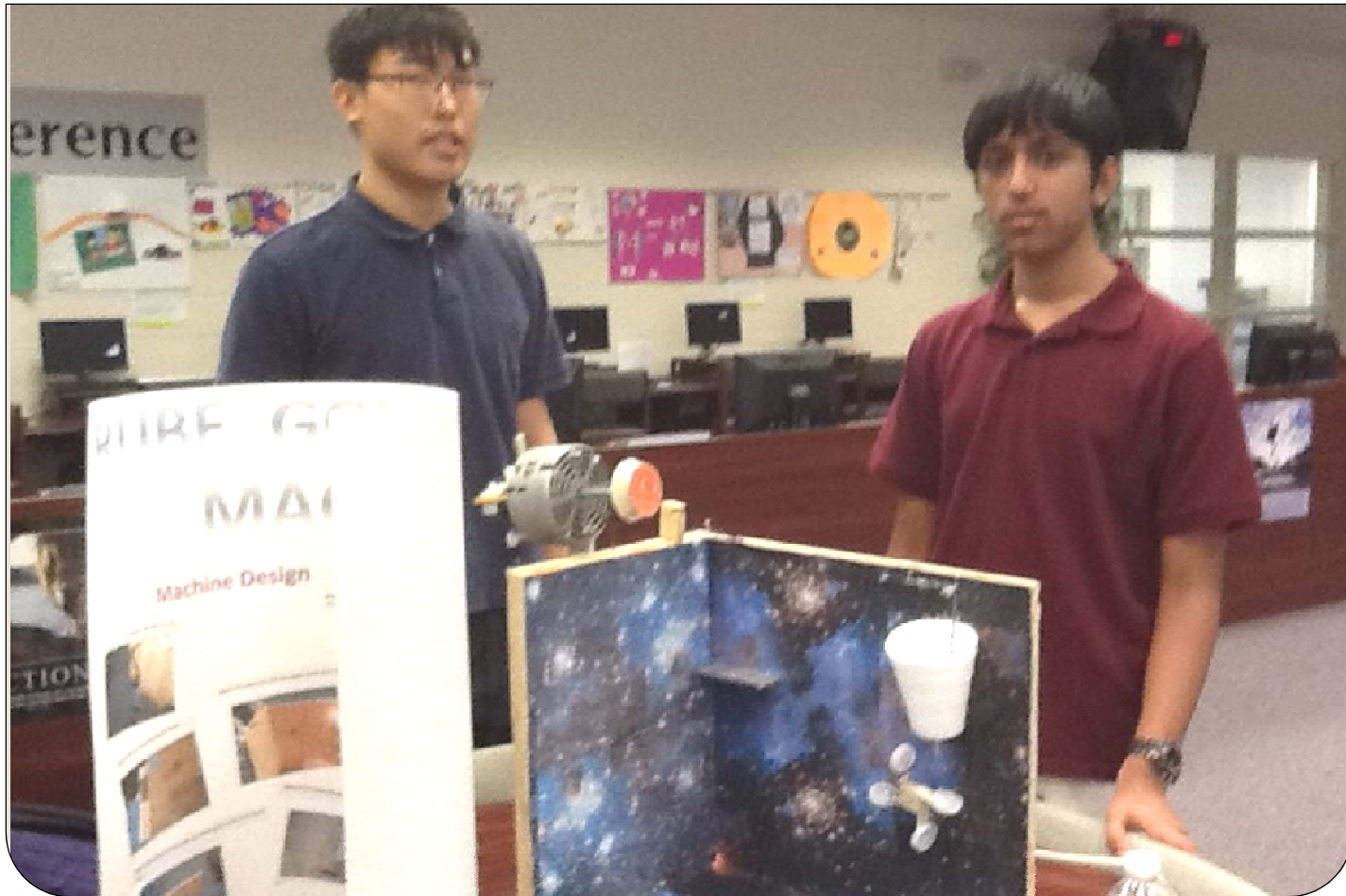
This creative poster accompanied the previous project.





Sana Mahmood & Bethany Manning

This machine popped a balloon for it's grand finale!



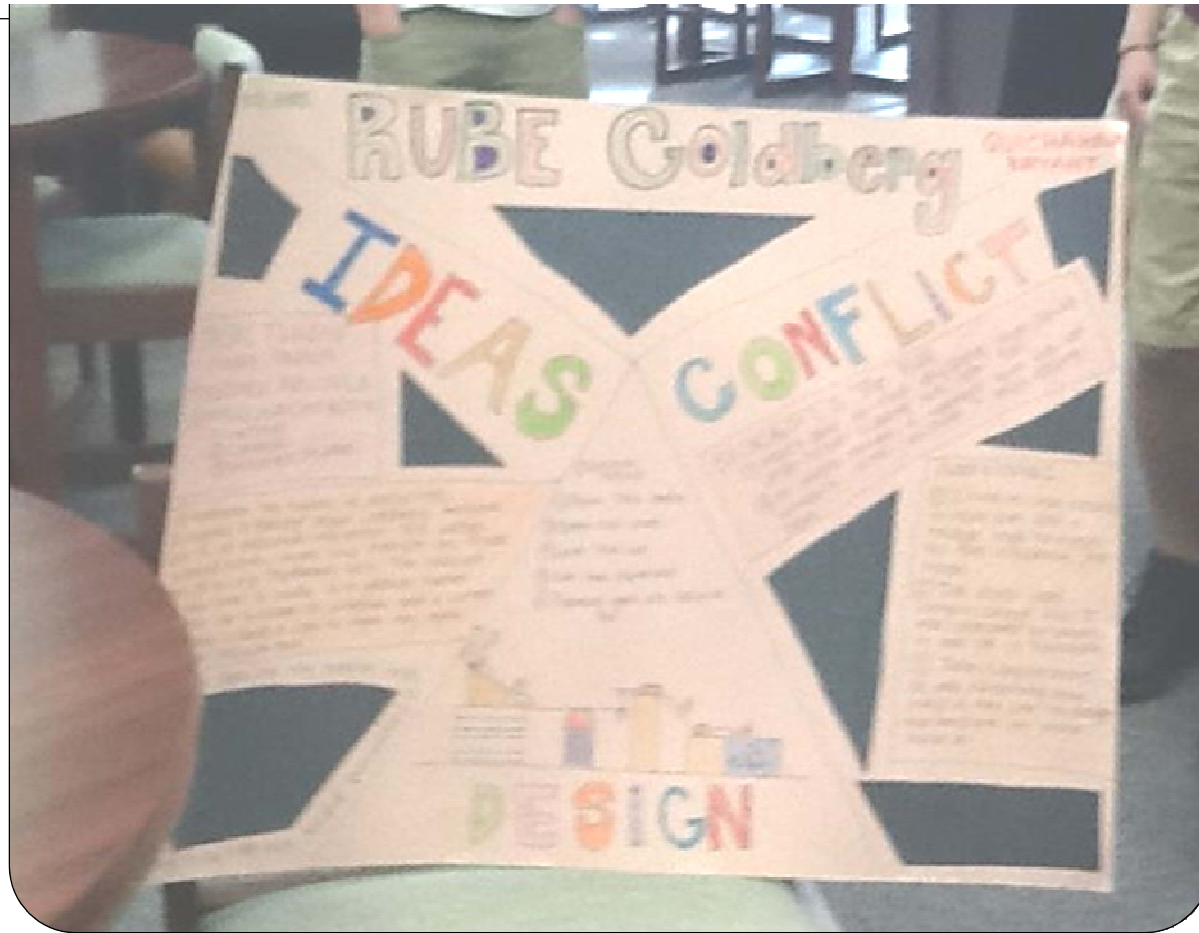
Hakyun Ju & Hamzah Karimi

This machine was powered by electricity! It's grand finale also popped a balloon!



Quichawna Bryant

Her machine had a recycling theme and was made solely out of recycled materials!



This poster accompanied the previous recycling project.



Jeffrey Keyes, Josh Tatum, Eric Smith

This machine was 'hazardous'!! These gentlemen used CO₂ cartridges and the final task of their machine was to fill a water bottle.

Cody Huber &
Varun Mehta

This machine used a
battery to power a
light bulb!



Jordan
Coleman

This machine
rang a bell for it's
grand finale.

