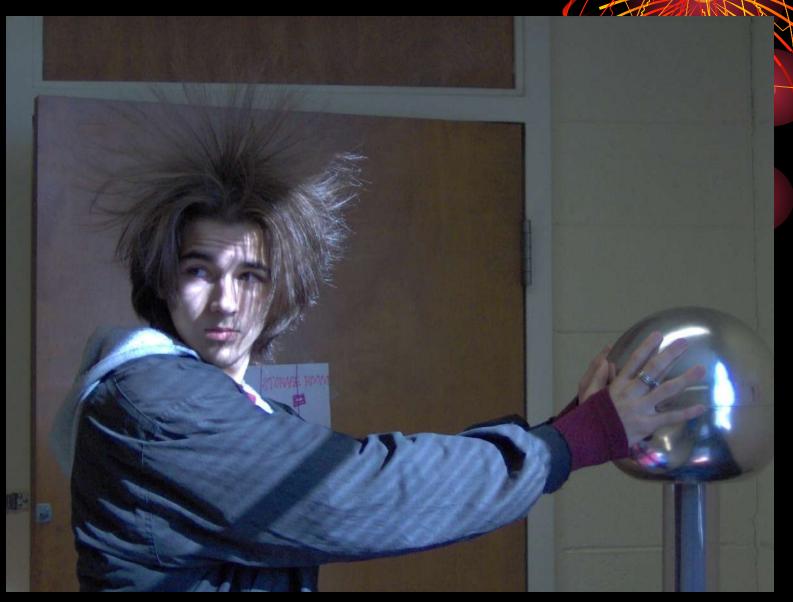


Tesla Coil

 You need a walk-in tent or dark area

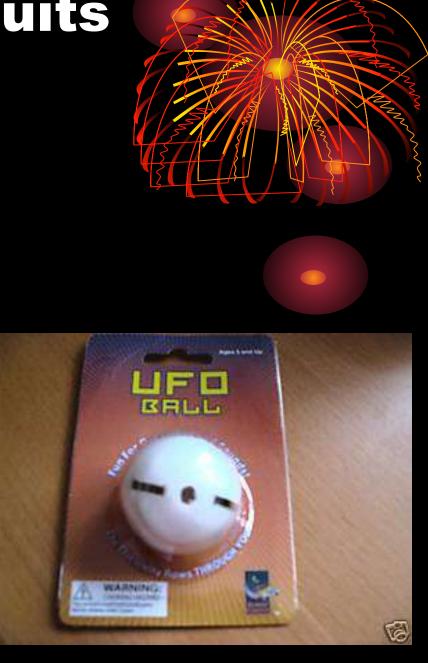


Van de Graaf Generator



Electrical / Circuits Ball





Plasma Ball and pickle



Magnets







Physics of Musical Instruments

Origin of Sound

Sound is a wave that is produced by the vibrations of material objects.





13-Sep-15

Tuning fork 4

Water on Speaker



American Idol

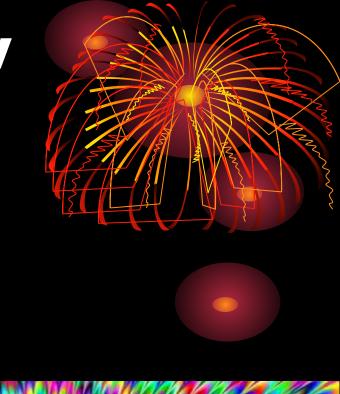
Type up words and find music

 Set up computer with speakers and microphone



Sound Magic Show

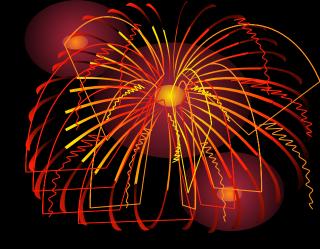




Singing rods



Straw Flute





Wine Glasses

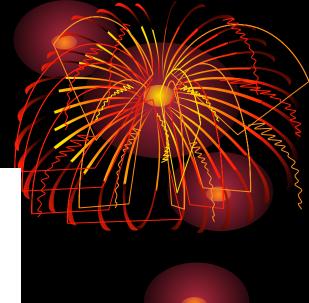


Thunder Drum



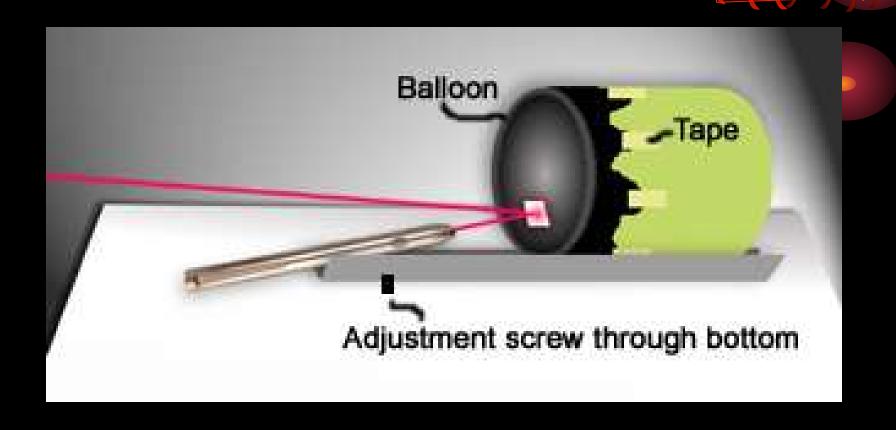
Theremin





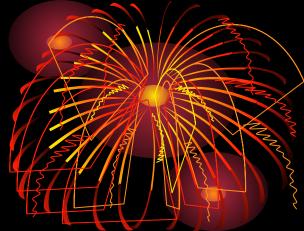


Sound Oscilloscope



Chicken in a Cup





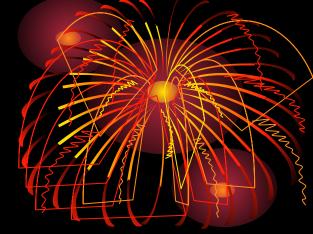
Resonance Bowl



Tibetan Bowl



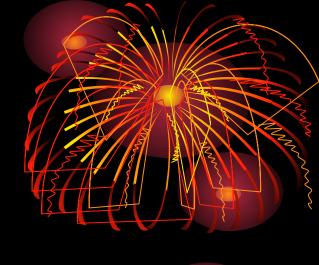
Sand Sound





Drag Parachute

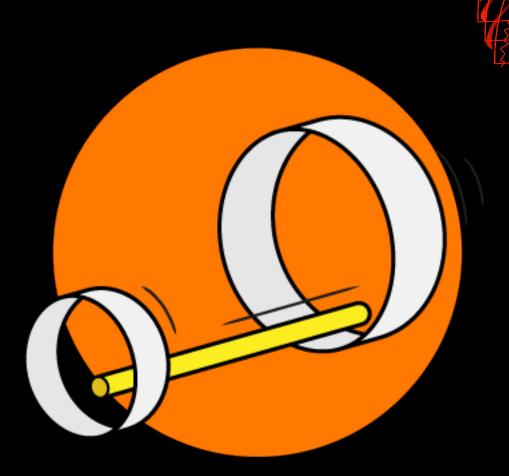




Wind Tunnel



Loopwing Planes



Slingshot



Hovercraft

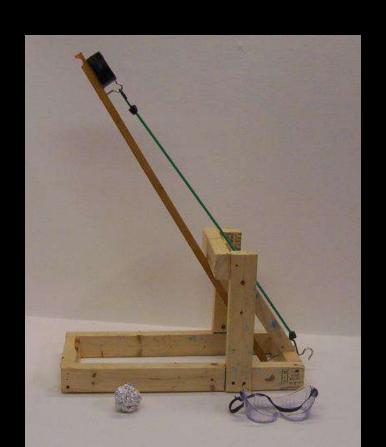


Water Rockets



Catapult

Build a catapult





Stomp Rockets

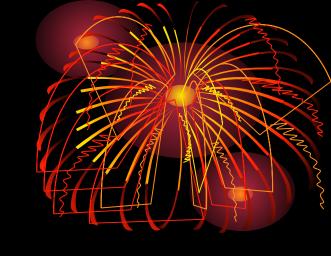


Radar Gun – Kids thro



Vacuum Pump

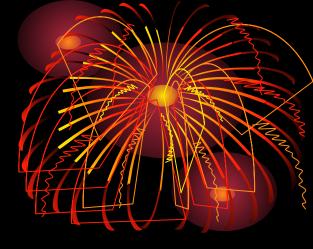




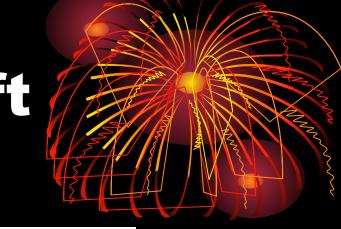


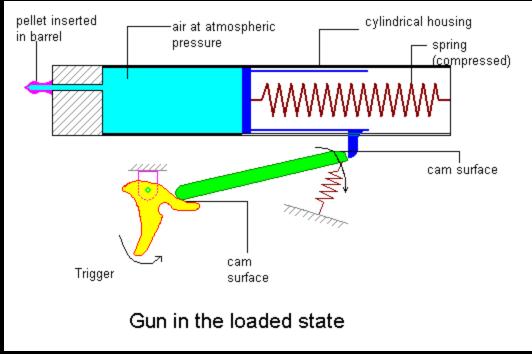
Vacuum Pack Kid





Physics of Airsoft

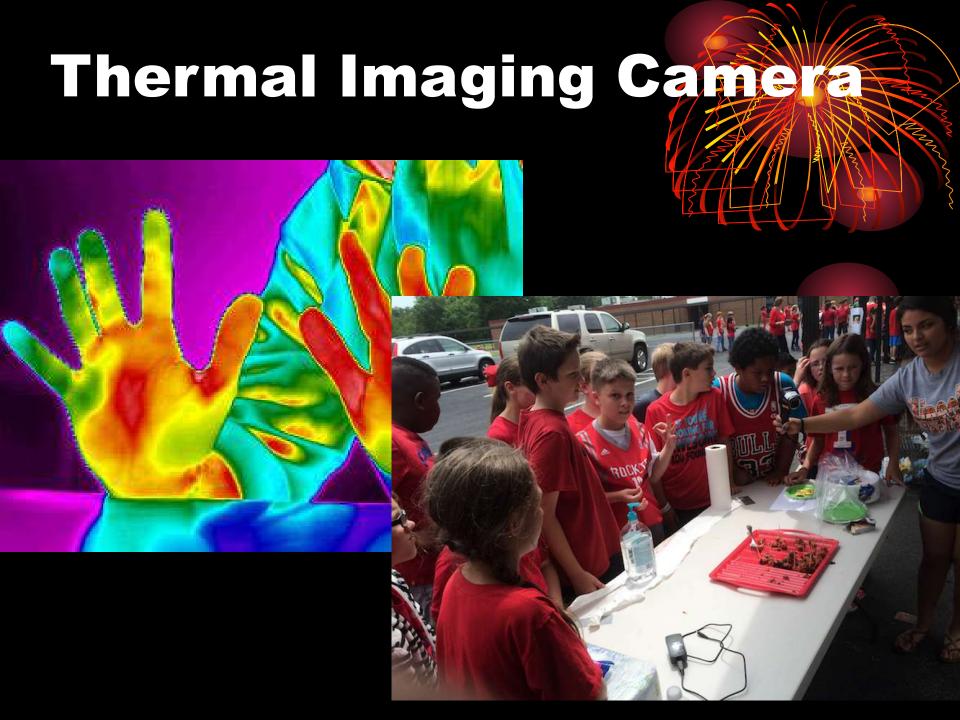




Physics of Paintball







Hot Air Balloon

Build a hot air balloon out of tissue paper

Huge one!



Bed of Nails

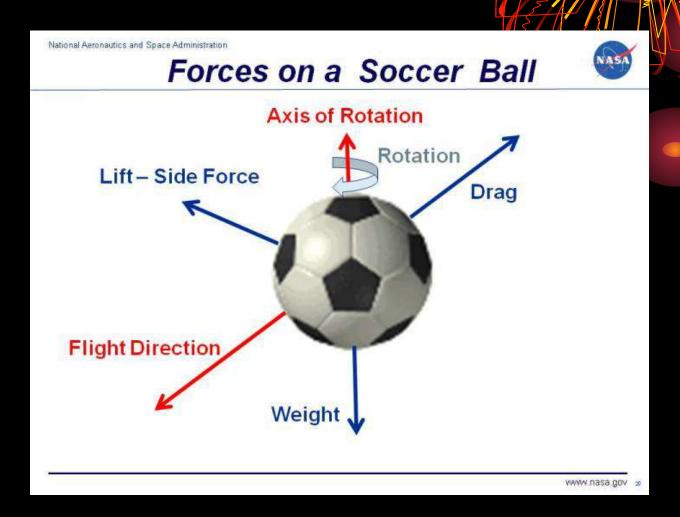


Sand Pendulum

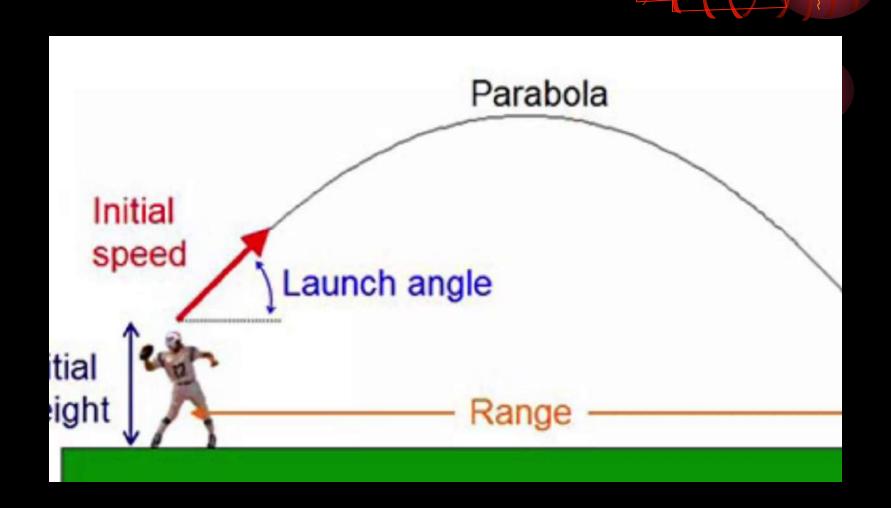




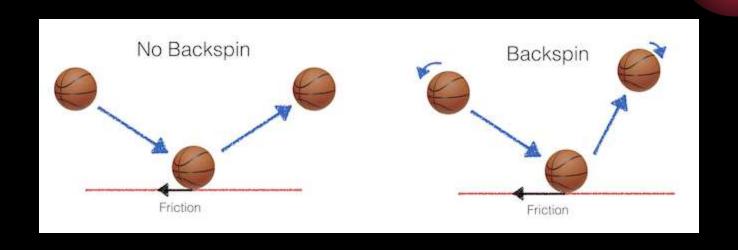
Physics of Soccer



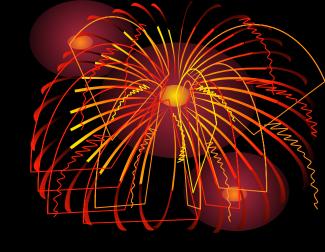
Physics of Football



Physics of Basketball

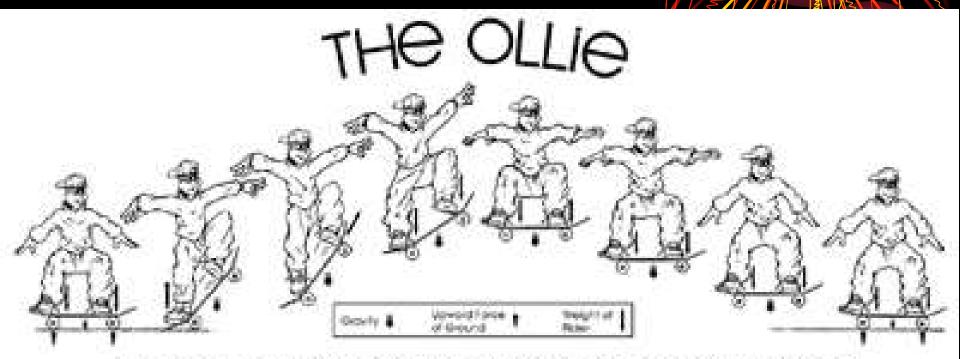


Physics of Golf





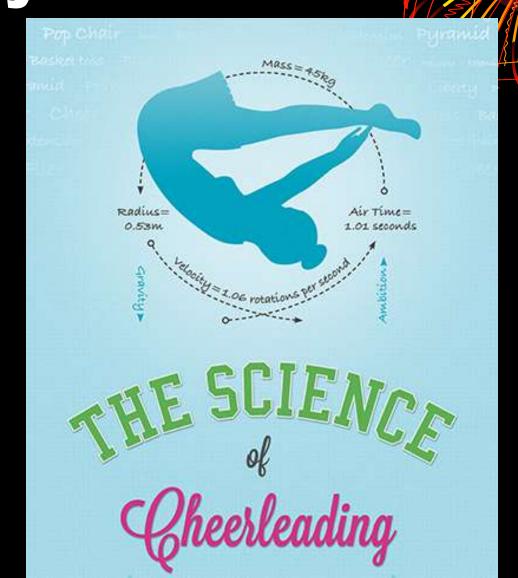
Physics of Skateboarding



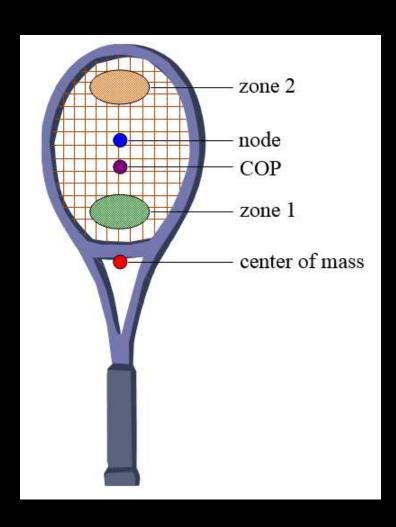
THE PHYSICS OF SKALEBOARDING

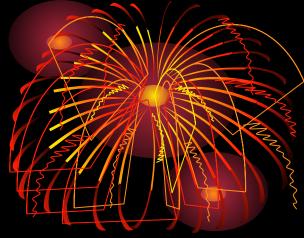
To do the Offie, crosch down, so you can jump as high as possible. As you jump, push down hard with your rear foot. This slaps the tail of the brand separate the ground couning the board to because up. While rising, drag your Wort foot up along the board, bringing it even higher. At the peak of your jump, push down on your front foot, while lifting your back foot, this levels out the board. Grantly pulls you and the board back down. Before you fet, bend your kneep so you can absorb the impact with the ground.

Physics of Cheerleading and Gymnastics

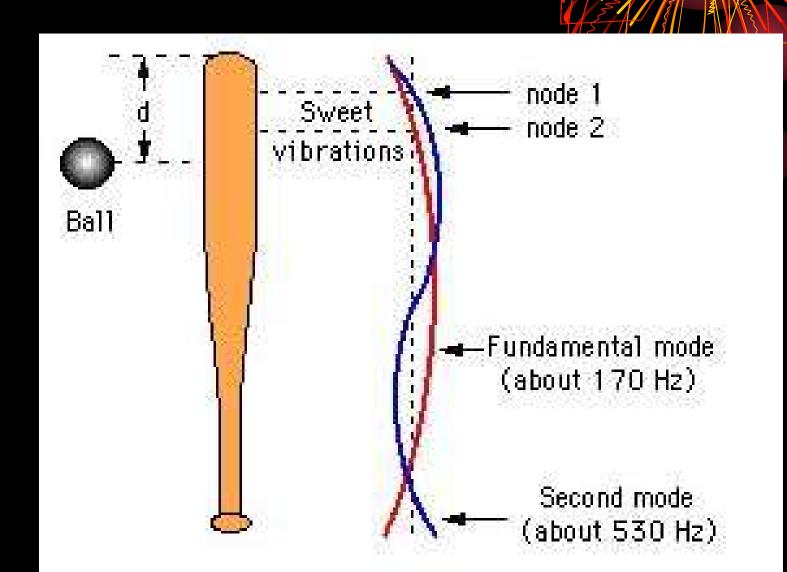


Physics of Tennis



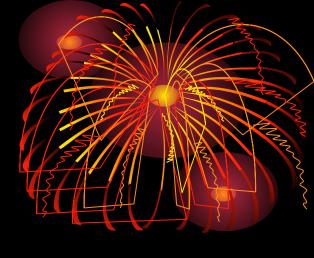


Physics of Baseball

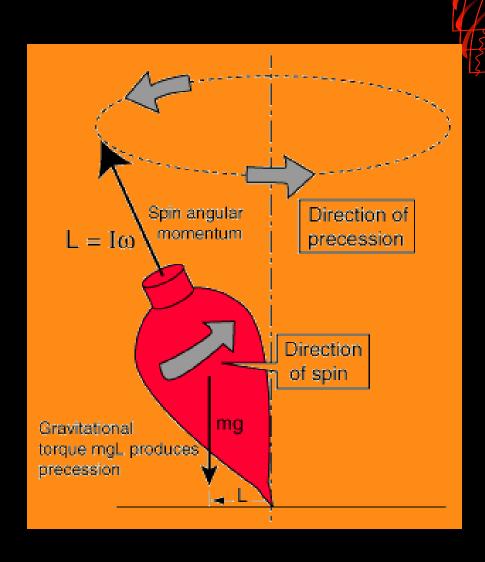


Angular Motion

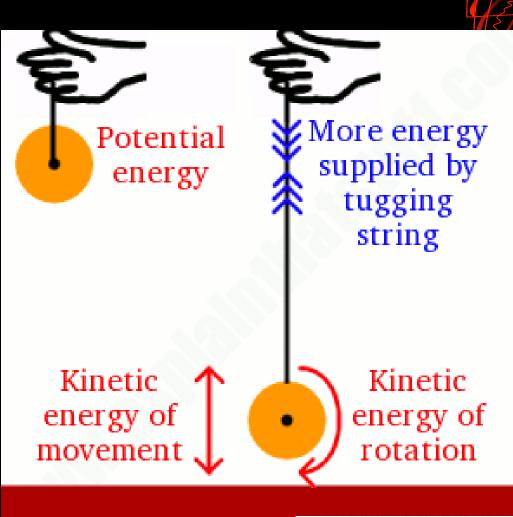




Physics of Beyblade

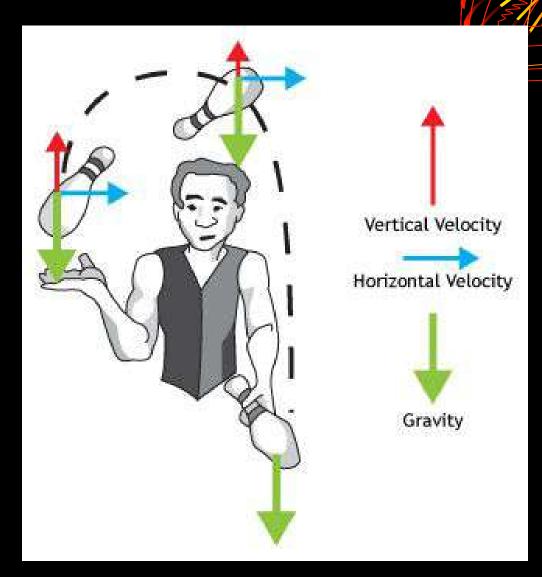


Physics of Yoyo



www.explainthatstuff.com

Physics of Juggling



Refraction Goggles



Colored Shadows



Virtual Reality Goggles



Wii with candles



Reflection Glasses



Strobe Light

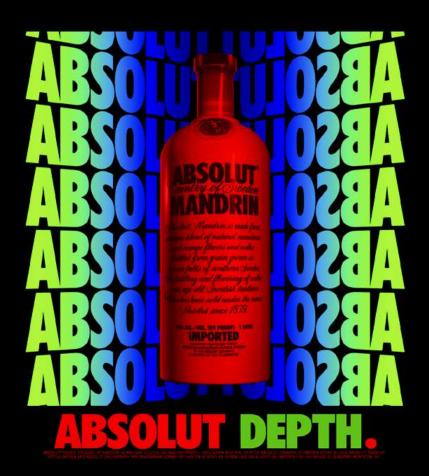
• Need tent and strobe

lights



3-D Glasses

- Use 3-D glasses
- Show PowerPoint of 3D stu



Link to 3-D show

Stellarium - Planetarium

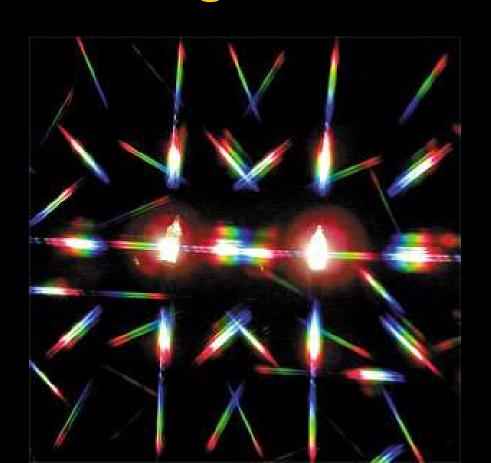


Black Light



Diffraction Glasses

- Split light into the rainbow and make weird shapes with light.
- Need different light sources and tent





Remote Control Cars

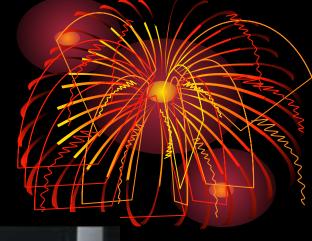




Remote Control Sphero



Microwave





Fun With Microway LoadingReadyRun

· Make gloop or slime



Giant Bubbles

 Need hula hoop, blow up pool, dish soap, and glycerin







Make Popcorn





Cooking Marshmallows



Cooking - Conduction







Ice Cream



Mentos and Coke



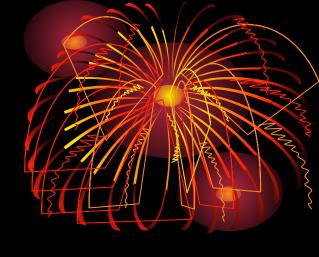
Magic Show - Physics

- You pick labs
- Pull tablecloth
- Spin water
- Bottomless bottle



Spinning Water







Bottomless Bottle





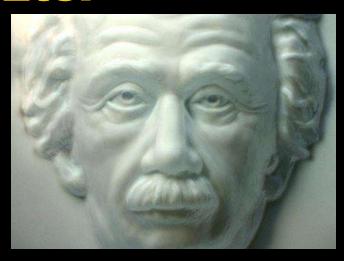


Acetone and Styrofoam



Magic Show - Illusions

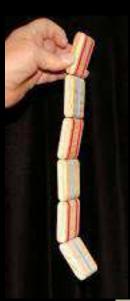
- Strobe light fountain
- Light Mirror
- Etc.





Physics of Toys









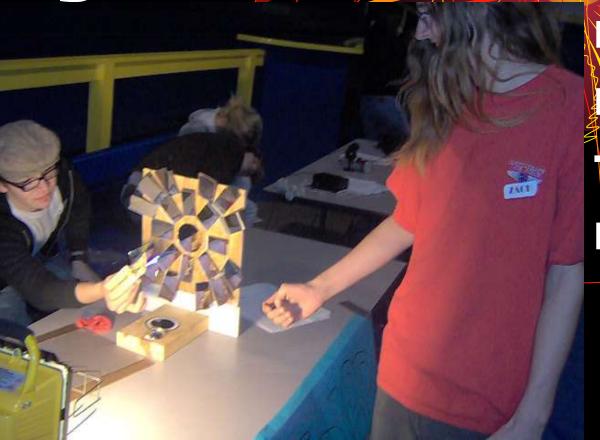




Petting Zoo!







aser Tag

ebuchet