



Make A Balloon Powered Sled

Your job, if you choose to accept it, is to create a sled that that moves under its own power...

You will need:

- a piece of thin cardboard
- balloons
- rubber bands
- straw
- tape.

Build your sled and test it on various surfaces, such as: Kitchen floor, Livingroom floor, garage floor, wood deck, and on the grass. Measure how far it travels.

Results #1 Kitchen floor:
 Livingroom floor:
 Garage floor:
 Wood deck:
 Grass:

Explain your results: **"Doesn't do well on rough surfaces"**

After your first sled experience, apply some smooth tape to the bottom of the cardboard. Test your sled on the various surfaces. Measure how far it travels.

Results #2 Kitchen floor:
 Livingroom floor:
 Garage floor:
 Wood deck:
 Grass:

Explain your results: **"Tape helps because the tape surface is smoother than the cardboard"**

Are you using just one balloon? What are the rubber bands for?

Change the variables to see what works... **Never Give UP!**