

Science experiment

03.07.2020

Elastic band powered boat



When you stretch an elastic band with your fingers it uses energy. That energy isn't lost, it is stored in the elastic band. When you release the pressure on the elastic band the energy is released and the band shrinks back to its original size.

You will need:

- Empty plastic container
- 3 lolly sticks or crafts sticks
- Glue
- Scissors
- Elastic band
- Container of water



Science experiment

03.07.2020

How to make an elastic band powered boat:

Glue a lollystick stick to each side of the plastic container.

Cut the third lolly stick in half.

Stretch the elastic band over the end of the two lolly sticks and wind the half lolly stick up in the band.

Place the boat in a tub of water and let go!

Why does it work?

As you wind the paddle with the elastic band, the band stretches, storing up energy. When you let the paddle go, the elastic band unwinds to shrink back to its original size releasing the stored energy and turning the paddle!

Visit Science sparks for more fun experiments:

https://www.science-sparks.com/elastic-band-powered-boat/?fbclid=IwAR1UAK5eDQENh_Uyr8g7ppBxVHGOh0czTINFqTdN5_mf7IIDtdUUYGAdjN4