JR ENGINEERS

SCREAMING BALLOON

Learn about centrifugal force with this simple experiment!

SUPPLIES

Balloon
Hex nut

INSTRUCTIONS

STEP 1: Stretch out your balloon.

STEP 2: Drop the hex nut inside and inflate.

STEP 3: Tie off to seal the balloon.

STEP 4: Grab the balloon in your hand like a bowling ball and begin to spin it. What do you hear? What does the hex nut do?

THE SCIENCE

The round balloon causes the hex nut move in a circular path. This is caused by something called 'centripetal force'. It is force placed on a body that makes it move in a circular path.

A hex nut has six sides with flat edges, whick cause the hex nut to bounce or vibrate inside the balloon. The screaming sound you hear is caused by the sides of the nut vibrating against the inside wall of the balloon.