

Big Idea

Center of Gravity



Materials & Equipment

- 1 Broom
- 1 Hockey stick (optional)
- 1 Golf club (optional)
- 1 Baseball bat (optional)



Procedure

1. Pick up the broom with both hands. Spread them as far apart as you can while balancing the broom on one finger of each hand.
2. Slide your hands together slowly at the same pace.
3. The broom end is going to be heavy so that hand will not move as far.
4. Once your hands are together you have found the brooms center of gravity.
5. Try with other objects (hockey stick, golf club, baseball bat)

What Happened?

Every object has a center of gravity, even if it is in a different place for different objects.

When an object is equally balanced on both sides you find its center of gravity.

