

Sports Hall STEM Club

01/12/19

What is force?

A force gives energy to an object, sometimes causing it to start moving, stop moving, or change direction. A force can be a push or pull.

Forces can be balanced or unbalanced depending on the effect the force has on the motion of the object

Watch Video



Remember

Forces that are in opposite directions and equal in size are called balanced forces. When forces are balanced, there is no change in motion; there would be no overall force (net force) acting on the object.

Push & Pull Force



Discussion Questions

- 1. What is a Forces?**
- 2. What are examples of Forces?**
- 3. How doe Forces affect your life?**
- 4. Why is it important to understand Forces?**

- Listen to the person who is speaking.
- Only one person speaks at a time, no interrupting.
- If you want to say something raise your hand to be recognized.
- When you disagree with someone, make sure that you make a difference between criticizing someone's idea and the person themselves.
- No laughing when a person is saying something.
- Encourage everyone to participate.

Assignment

Create Robot that demonstrates force.

Design (not create) Scratch project that demonstrates force.

- Groups discuss
- Choose project
- Draft project
- Come up with ideas for images & text
- Complete design (if enough time, create Scratch project)