

Introduction

In this Grade 6 lesson, students explore Newton's Third Law by identifying and classifying action and reaction forces in real-life scenarios. They then collaborate to generate their own examples before demonstrating their understanding by creating a force comic that illustrates and labels equal and opposite forces.

This activity is designed to help cover the 3rd KUSP of grade 6 in the Energy Organizing idea.

Knowledge

An action force is exerted on an object in a particular direction.

A reaction force acts in the opposite direction of an action force.

One object experiences an action force while another object experiences a reaction force in an interaction.

Understanding

For every action force, there is an equal and opposite reaction force. (Newton's Third Law)

Skills & Procedures

Demonstrate and represent an action force and its reaction force in various interactions.



Lesson Resources

- [Slide document](#) is available in [Canva](#) or as google slides
- [Student Handout](#)

Added Materials Needed

- Print off Student Handout
- Put students in groups to foster discussion
- Optional:
 - Examples of comics
 - Crayons for markers

Learning Path:

1. **Open and save all the resources.**
2. **Suggested Anticipatory Set:**
 - Once class is settled, open up slides or canva document. Throw a soft dodgeball hard against the wall to get students attention. Ask students what just happened!
3. **Lesson:**
 - Go through slides with students. Watch youtube videos on slide 5.
 - Leave slide 6 up. Have students discuss the chart and complete as a group.
 - Once everyone has completed the examples chart, go over with class by using slides 7-11.
4. **Build a Force Comic**
 - Create a 3-panel comic strip showing an interaction.
 - Requirements
 - Panel 1: The interaction (e.g., balloon flying, kid jumping)
 - Panel 2: Action force labeled with arrows
 - Panel 3: Reaction force labeled with arrows
 - Must clearly show:
 - Equal forces, Opposite directions and Different objects
5. **Exit Slip Suggestion:**
 - Hand out every student a piece of paper, Have them put their name on it. Ask them to describe the difference between action and reaction forces. Give an example.