



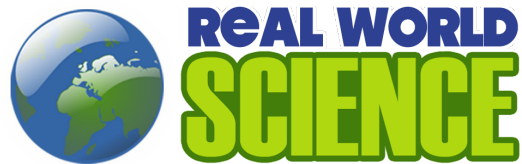
Forces

FOR GRADES 3-8

Forces

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Introduction



The Real World Science series helps teachers to provide their students with effective ways to learn and retain important core science concepts.

This live-action video program incorporates many research-based learning strategies proven to help students learn and retain Information. This video features a wide variety of video footage, photographs, diagrams and colorful, animated graphics and labels. The use of visual reinforcement supports comprehension and retention.

The facts or characteristics of the concept are outlined. Then, examples and non-examples of the concepts are clearly demonstrated. Real World Science provides educators with an alternative way to help their students learn core concepts.

The Real World Science series was designed with Common Core standards in mind.

Learning Objectives

After viewing the video and participating in the activities in this guide, students will be better able to:

- Define Force
- Appropriately pronounce and use the term Force
- Understand Forces as well as related concepts and principles
- Identify examples of a Force
- Explain how Forces impact their life and others

Using Real World Science

Real World Science can be incorporated into your lesson in many ways.

Using Video Effectively

Video can be a powerful tool for meaningful learning. The key to using this video effectively is preparation.

- Preview the video.
- Review the printable handouts ahead of time to determine which ones will work best for your students.
- Maximize the learning opportunities in your classroom by encouraging students to become active viewers.
- Use the video to introduce the content to your class, or to review the lesson, or both.
- Use the video to engage in discussion before and use the handouts to help consolidate the information they are learning.
- Play the video in front of the entire class, or have students watch it individually or in small groups.

Program Summary

Real World Science: Forces is a live-action video. The program is designed to reinforce and support a student's comprehension and retention of core science concepts through use of video footage, photographs, diagrams and colorful, animated graphics and labels.

Real World Science: Force is one of a series of videos that encourages children to explore the world of science in their immediate surroundings. Through observation and experimentation, students will learn properties of forces, Newton's Laws of Motion and how pressure affects the world around them. This program encourages students to explore their surroundings and to discover the fascinating impact forces have on their everyday lives.

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.

Be An Active Viewer

Name: _____

Forces

BEFORE VIEWING

How would YOU define this word or term? _____

DURING VIEWING

Circle the words that relate to Forces.

Balanced Forces Gravity Friction

Mass Repulsion Addict

AFTER VIEWING

Define forces: _____

What is one important fact YOU learned from this video?
