

Daily Routines with Simple Machines

Overview

Simple machines help us to get through the day. This activity will help students to recognize how we use simple machines every day.

Episode Connection: Simple Machines

Objective

The students will

- Identify different types of simple machines
- Learn about various simple and compound machines
- Recognized that they use simple machines every day

Time Required: 1-2 class periods

Materials

- Computers with internet access
- *Daily Routines with Simple Machines* worksheet
- Writing utensils

Procedure

1. Have the students watch Science Minutes, Episode: Simple Machines. Have the students work individually or in pairs to complete the activities on the EdHead's website, <http://www.edheads.org/activities/simple-machines/>.
2. After completing the online activities, allow the students to complete the *Daily Routines with Simple Machines* worksheet by working individually or in pairs.
Note: Students can take this worksheet home to record for an entire day.
3. Lead a class discussion on how we use simple machines every day.

Standards

Coming soon.....

National: Science and Technology

1. Develop an understanding that the use of tools and machines can be helpful or harmful.
2. Know that each kind of tool has a special purpose.
1. Know that when parts are put together they can do things that they could not do by themselves.

2. Investigate that tools are used to help make things and some things cannot be made without tools.

Grade 6:

1. Know that decisions about the use of products and systems can result in desirable or undesirable consequences.

Scientific Inquiry

1. Work in a small group, then share findings with others.

Scientific Ways of Knowing

1. Recognize that people are more likely to accept your ideas if you can give good reasons for them.

Physical Sciences:

1. Tools and machines are used to apply pushes and pulls (forces) to make things move.

Physical Sciences

1. Machines and living things convert stored energy to motion and heat.

Daily Routines with Simple Machines

Name(s): _____

How many times do you use simple machines during the day? Make an estimate and fill in the blank below.

Estimate

I think I use simple machines _____ times a day.

Record of Simple Machine Use

Write down the name of each object you use and what type of simple machine it is. Record a checkmark every time you use it. You may attach another sheet of paper to this worksheet if needed. Add all your checkmarks up at the end of your day.

Object Used	Type of Simple Machine	Times Used	Total
<i>Example: Curtain cord</i>	<i>Pulley</i>	√ √	2

Results

Did you use simple machines more or less often than you estimated?