

Title of Lesson: Simple Machines Activity

By: Jennifer Kolb

Subject: Science

Grade Level: 6th

State Standards/ Indicators Addressed:

Standard 2: Physical Science- The student will apply process skills to develop an understanding of physical science including: properties, changes of properties of matter, motion and forces, and transfer of energy.

Benchmark 4: Investigates and explains how simple machines multiply force at the expense of distance.

Technology equipment needed: computer with internet connection,

Activity Instructions/ Directions:

Students will go the internet site:

http://www.coe.uh.edu/archive/science/science_lessons/scienceles1/finalhome.htm

This site allows students an opportunity to become further acquainted with simple machines by using the computer. Some of the machines students will have an opportunity to work with include the lever, inclined plane, wheel and axle, screw, and wedge.

Students will use this web page to answer the following questions:

- 1) Write a definition of simple machines in your own words
- 2) List four types of simple machines
- 3) Explain how each simple machine works
- 4) Give an example of each type of simple machine
- 5) Draw a picture of each simple machine

Students will use the following worksheet to complete the above questions:

Simple Machines

Name: _____ Date: _____ Hour: _____

1) Write a definition of simple machines in your own words:

2) List four types of simple machines:

3) Explain how each simple machine works:

4) Give an example of each type of simple machine:

5) Draw a picture of each of the simple machines you discussed:

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Extension/ Follow Up: After completing the worksheet students will take the on-line simple machines quiz found at http://www.coe.uh.edu/archive/science/science_lessons/scienceles1/test.htm