

## Simple Machines Web Quest

Name \_\_\_\_\_

1. Type in the website

<http://www.beth.k12.pa.us/schools/wwwclass/mcosgrove/simple.htm>

Click on Simple Machines and answer the following questions.

1. What is a simple machine defined as?

2. What is work defined as?

3. How many types of simple machines are there?

2. Click on the Inventor's Toolbox and answer the following questions.

4. What type of gear is a combination of a gear combined with threads of a screw?

3. Type in the website

<http://www.mos.org/sln/Leonardo/LeoHomePage.html>

Answer the following question

5. Who had a keen and quick mind that led him to make important scientific discoveries, but yet he never published them?

4. Go back to the Simple Machine website (use website for #1) and answer the following questions. (you might have to look under the extra information)

6. What is a compound machine?

7. What simple machine is the inclined planes twin brother?

5. Go to the website  
[http://www.coe.uh.edu/archive/science/science\\_lessons/scienceles1/finalhome.htm](http://www.coe.uh.edu/archive/science/science_lessons/scienceles1/finalhome.htm)

Scroll down to the bottom and click on the button to take the simple machine quiz.

8. Write down your answers for questions 1-6

- |    |    |
|----|----|
| 1. | 4. |
| 2. | 5. |
| 3. | 6. |

6. Go to the Edhead website  
<http://www.edheads.org/activities/simple-machines/>

Click on the Start button

9. Click on the House button

Complete the 4 house activities. Remember to click finish!!!

Kitchen: Find all 10 simple machines and answer the questions regarding them.

What was your score out of 60 points? \_\_\_\_\_ pts.

Garage: Find all 10 simple machines and answer the questions regarding them.

What was your score out of 60 points? \_\_\_\_\_ pts.

Bedroom: Find all 10 simple machines and answer the questions regarding them.

What was your score out of 60 points? \_\_\_\_\_ pts.

Bathroom: Find all 10 simple machines and answer the questions regarding them.

What was your score out of 60 points? \_\_\_\_\_ pts.

10. Click on the tool shed and find all the simple machines in each compound machine.

Wheel barrow: Write down all the simple machines that make up the wheelbarrow

Can opener: Write down all the simple machines that make up the can opener.

Stapler: Write down all the simple machines that make up the stapler.

Drill: Write down all the simple machines that make up the drill

What was your overall score out of 65 points? \_\_\_\_\_ pts.

11. Go to the Tinker Ball website

[http://inventionatplay.org/playhouse\\_tinker.html](http://inventionatplay.org/playhouse_tinker.html)

Play Tinker Ball at least 3 times. Draw the path you use to solve the puzzle (complete with pictures).

Tinker Ball #1

Tinker Ball #2

Tinker Ball #3