

Name _____

Simple Machines Web Quest

Task 1: Go to the following website http://idahoptv.org/sciencetrek/topics/simple_machines/facts.cfm

Answer the following below and fill in the chart

1. What is a simple machine defined as?
2. What is work defined as?
3. Name, define and draw a simple picture of the 6 basic simple machines.

Simple Machine	Definition	Picture

Task 2: Go to the following website... <http://cashmancuneo.net/pictures/simple/ssbr.swf> Click on the Start button. You will need to find all of the simple machines in the bedroom (they are highlighted in yellow) and fill in the chart below.

Item in Room	Type of Simple Machine	Function of Simple Machine
1. Ceiling Fan		
2. Clock		
3. Light Switch		
4. Scissors (in drawer)		
5. Ship (click on top of lamp)		
6. Car		
7. Baseball Bat		
8. Shoe laces		
9. Push Pin		
10. Inline Skates		

Task 3: Go to the following website... <http://cashmancuneo.net/flashgames/house-garage-resize%5B1%5D.swf> Click on the Start button. You will need to find all of the simple machines in the garage (they are highlighted in yellow) and fill in the chart on the next page.

Item in Room	Type of Simple Machine	Function of Simple Machine
1. Ramp		
2. Gate		
3. Flag		
4. Gears		
5. Wheels		
6. Light Bulb		
7. Broom		
8. Handle		
9. Windshield		
10. Saw		

Task 4: Go to the following website <http://cashmancuneo.net/pictures/simple/comp.swf>

Click on each of the complex machines and list the simple machines that they are made of and what their functions are.

Item in Shed	Types of Simple Machines	Functions of Simple Machines
Wheel Barrow	1. 2. 3.	1. 2. 3.
Drill	1. 2. 3. 4.	1. 2. 3. 4.
Can Opener	1. 2. 3. 4.	1. 2. 3. 4.
Stapler	1. 2.	1. 2.

Task 5: Go to the Tinker Ball website... invention.si.edu/tinker-ball

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