# Welcome to Mrs. Ferguson's Class . . .

# Jeopardy

Oakland Elementary Edition

S4P3a Identify simple machines and explain their uses

# Simple Machines

# How Forces Work

# Best Uses for Simple Machines

# Know Your Simple Machine

# Know Your Simple Machine II

# Any Thing Goes

# Jeopardy

| Simple Machines | How Forces Work | Best Uses For Simple Machine | Know Your Simple Machine | Know Your Simple Machine II | Any Thing Goes |
|---|---|---|---|---|---|
| 100 | 100 | 100 | 100 | 100 | 100 |
| 200 | 200 | 200 | 200 | 200 | 200 |
| 300 | 300 | 300 | 300 | 300 | 300 |
| 400 | 400 | 400 | 400 | 400 | 400 |
| 500 | 500 | 500 | 500 | 500 | 500 |

Final Jeopardy

Which of these simple machines is also an incline plane?

a. pulley
b. lever
c. screw
d. wheel-and-axle

# $100 Question Simple Machines

What is (c) a screw?

# $100 Answer Simple Machines

# Return

Which is an example of a wedge?

a. a bottle opener
b. a doorstop
c. an elevator
d. a wheel-and-axle

# $200 Question Simple Machines

What is (b) a doorstop?

# $200 Answer Simple Machines

# Return

Which kinds of simple machines make up scissors?

a. wheel-and-axle and pulley
b. pulley and incline plane
c. lever and wedge
d. wedge and incline plane

# $300 Question Simple Machines

What is (c) lever and wedge?

# $300 Answer Simple Machines

# Return

Which of the following is a lever?

a. a bottle opener
b. a drinking straw
c. a match
d. a pencil

# $400 Question Simple Machines

What is (a) a bottle opener?

# $400 Answer Simple Machines

# Return

Which kind of simple machine is the beater part of an electric mixer?

a. pulley
b. wheel-and-axle
c. pulley and lever
d. two pulleys

# $500 Question Simple Machines

What is (b) wheel-and-axle?

# $500 Answer Simple Machines

# Return

How many forces must be applied to make a simple machine work?

a. one
b. two
c. three
d. four

# $100 Question How Forces Work

What is (a) one?

# $100 Answer How Forces Work

# Return

# Daily Double

Which of the following is an example of work?

a. packing a lunch
b. thinking about homework
c. pushing against a wall
d. holding a baseball

# Daily Double Question

What is (a) packing a lunch?

# Daily Double Answer

# Return

Which simple machine allows you to lift an object using  less force, although you must move the object a greater distance?

a. incline plane
b. single pulley
c. wedge
d. wheel-and-axle

# $300 Question How Forces Work

What is (a) an incline plane?

# $300 Answer How Forces Work

# Return

To use a pulley to change both the amount and direction of the applied force, you must

a. combine it with a lever.
b. hook it up with another pulley.
c. place it on an incline plane.
d. attach it to the wall with screws.

## $400 Question How Forces Work

What is (b) hook it up with another pulley?

# $400 Answer How Forces Work

# Return

~True or False~

It requires more force to move an object using an incline plane than it does to move it using a pulley.

**$500 Question How Forces Work**

What is false? (It requires less force but more space in which to move the object.)

# $500 Answer How Forces Work

# Return

Which of the following would be the BEST simple machine to use to slice celery?

a. wedge
b. pulley
c. screw
d. incline plane

## $100 Question Best Uses for Simple Machines

What is (a) a wedge?

(Also known as a knife!  )

# $100 Answer Best Uses for Simple Machines

# Return

Joey uses a tool to pry the top off a paint can. What type of simple machine is he using?

a. wedge
b. screw
c. lever
d. incline plane

## $200 Question Best Uses for Simple Machines

What is (c) a lever?

# $200 Answer Best Uses for Simple Machines

# Return

Which simple machine would you most likely use to move a basket of fruit from the ground into a tree house?

a. lever
b. wheel-and-axle
c. pulley
d. a group of levers

## $300 Question Best Uses for Simple Machines

What is (c) a pulley?

# $300 Answer Best Uses For Simple Machines

# Return

Your friend lives at the top of a hill. Which simple machine would you most likely use to go to your friend's house?

a. pulley
b. incline plane
c. wedge
d. lever

## $400 Question Best Uses For Simple Machines

What is (b) incline plane?

# $400 Answer Best Uses For Simple Machines

# Return

Which simple machine could you use to hold two objects together?

a. lever
b. pulley
c. screw
d. wheel-and-axle

# $500 Question Best Uses for Simple Machines

What is (c) a screw?

# $500 Answer Best Uses For Simple Machines

# Return

Which two simple machines are MOST alike?

a. screw and lever
b. lever and wedge
c. pulley and wheel-and-axle
d. screw and incline plane

## $100 Question Know Your Simple Machines

What is (d) screw and incline plne?

# $100 Answer Know Your Simple Machines

# Return

Which of these simple machines will NOT work without a fulcrum?

a. lever
b. wheel-and-axle
c. wedge
d. single pulley

## $200 Question Know Your Simple Machines

What is (a) a lever?

# $200 Answer Know Your Simple Machines

# Return

Which of the following is NOT an example of a screw?

a. nut
b. nail
c. bolt
d. drill bit

## $300 Question Know Your Simple Machines

What is (b) a nail? (Side Note: Nails are most like wedges.)

# $300 Answer Know Your Simple Machines

# Return

An ax blade is which kind of simple machine?

a. ramp
b. screw
c. wedge
d. lever

## $400 Question Know Your Simple Machines

What is (c) wedge?

# $400 Answer Know Your Simple Machines

# Return

Where can the fulcrum of a lever NOT be?

a. the end of the bar
b. the middle of the bar
c. between the middle and the end
d. not touching the bar

# $500 Question Know Your Simple Machines

What is (d) not touching the bar? (Remember: The fulcrum must touch it at some point to help do the work!)

# $500 Answer Know Your Simple Machines

# Return

Which of the following is a lever?

a. ceramic cup
b. measuring tape
c. snow shovel
d. ballpoint pen

## $100 Question Know Your Simple Machines II

What is (c) a snow shovel?

# $100 Answer Know Your Simple Machines II

# Return

Which two simple machines are incline planes?

a. pulley and wheel-and-axle
b. lever and pulley
c. screw and wedge
d. screw and wheel-and-axle

# $200 Question Know Your Simple Machines II

What is (c) screw and wedge?

# $200 Answer Know Your Simple Machines II

# Return

Which of these is NOT a simple machine?

a. broom
b. pry bar
c. rake
d. lawn mower

# $300 Question Know Your Simple Machines II

What is (d) lawn mower?

# $300 Answer Know Your Simple Machines II

# Return

Which is an example of a pulley?

a. a bottle opener
b. a doorstop
c. a flag pole rope
d. a wheel-and-axle

## $400 Question Know Your Simple Machines II

What is (c) a flag pole rope? (Other examples are elevator and mini-blinds.)

# $400 Answer Know Your Simple Machines II

# Return

What is NOT an example of a wheel-and-axle?

a. a kitchen faucet
b. a door handle
c. a water wheel on stone grinder
d. a wheelbarrow

# $500 Question Know Your Simple Machines II

What is (d) a wheelbarrow?

# $500 Answer Know Your Simple Machines II

# Return

Which of the following is NOT a lever?

a. a baseball bat
b. a wheelbarrow
c. a broom
d. a ramp

## $100 Question Any Thing Goes

What is (d) a ramp?

# $100 Answer Any Thing Goes

# Return

Which kind of simple machine is the wheelchair resting on?

a. incline plane
b. lever
c. pulley
d. screw

# $200 Question Any Thing Goes

What is (a) an incline plane?

# $200 Answer Any Thing Goes

# Return

Which detail about an ax blade lets you know that it is a wedge?

a. It has just one incline plane.
b. It changes the way work is done.
c. It has two incline planes.
d. It changes the direction of the applied force.

# $300 Question Any Thing Goes

What is (c) it has two incline planes?

# $300 Answer Any Thing Goes

# Return

Which of the following tools contains two levers?

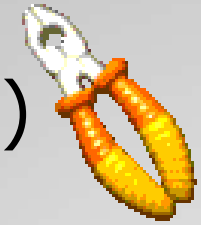
a) 

b) 

c) 

d) 

# $400 Question Any Thing Goes

What is (d)  (a pair of pliers)?

# $400 Answer Any Thing Goes

# Return

In science, which of the following is an example of work?

a. going to a job
b. pushing against the floor
c. reading a book
d. lifting a chair off the floor

# $500 Question Any Thing Goes

What is (d) lifting a chair off the floor?

# $500 Answer Any Thing Goes

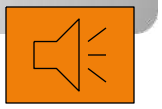
# Return

Simple Machine

# Final Jeopardy Topic

According to the scientific community, what is work?

# Final Jeopardy Question



What is the use of force to move an object over a distance?

# Final Jeopardy Answer

Keep studying to get ready for the CRCT!
You can do anything you set out to do!

# Thank You for Playing!