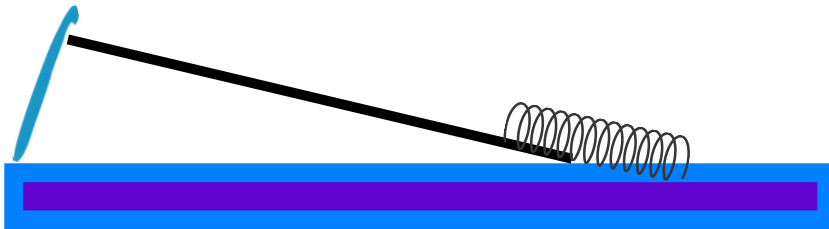




# Car Project - Activity Guide

Name at least 2 uses for Cars or automotive technology:

1. Trucking / Shipping, Racing,
2. Commuting, Collecting, Etc.

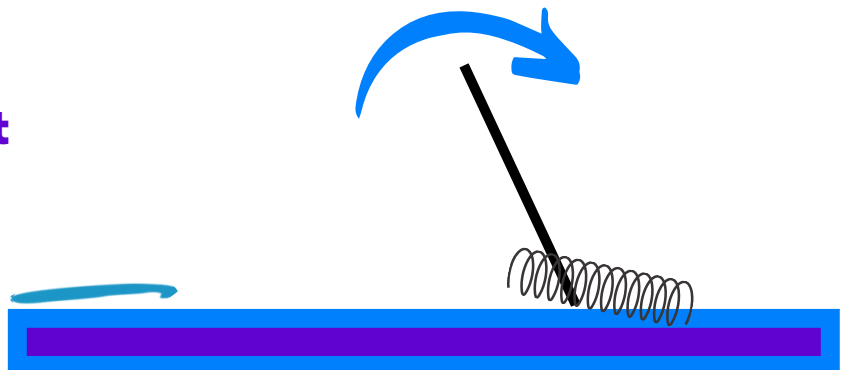


What kind of energy is stored while the mousetrap is still loaded?

Potential energy from the spring.

What kind of energy is it then transferred to once the lever starts moving?

Kinetic Energy





# Quiz



1. Why was the wheel such an important invention? List at least one other machine that relies on a wheel besides a car:

Lots of machines and inventions rely on wheels.

2. The Ford Model T was not the first car in the world, but why was it the most revolutionary?

Because it was the first AFFORDABLE Car and was accessible to the middle class. Plus it brought lots of factory jobs and helped make westward expansion possible.

3. Name one thing you learned about the Internal Combustion Engine found in most vehicles:

~4 strokes, Found in most cars, Piston-Cylinder system, Spark Plug, Air-Fuel mixture, uses pressure, etc.

4. What happens to the burnt fuel in the engine?

~It leaves the car through the exhaust pipe.

5. Describe Friction in your own words:

~The resistance created when two objects rub against each other.  
Friction creates heat!

6. Why is it important the different parts such as Straws, Mouse Traps, Wheels, etc. are in line?

If they are not in line, car will be off balance & probably cause more friction, and therefore not travel as far.

7. What does Jules do for her job? (The engineer we met).

Bonus points if you remember the company she works for.

Jules is an automotive engineer for a large company named Honda.