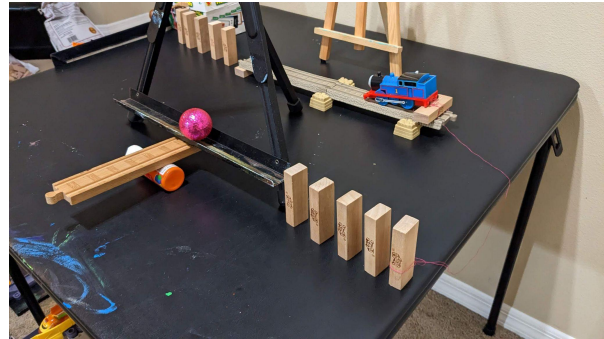


My Energy Transfer Machine

Strike! By Akshara M.

1. When I push the lever down, the ball will roll down the ramp. (Potential to kinetic energy)
2. The ball will hit the Jenga blocks and make them fall over. (kinetic energy)
3. The last Jenga block will pull the other block holding the train due to gravity. (potential energy to kinetic energy)
4. The battery operated train will go down the track. (Electrical energy to kinetic energy)



5. The train will hit the Jenga blocks, making them topple over. (Electrical energy to kinetic energy)
6. The broom handle that is resting on the last Jenga block will go down, making the plunger end go up, due to gravity. (Kinetic to potential)

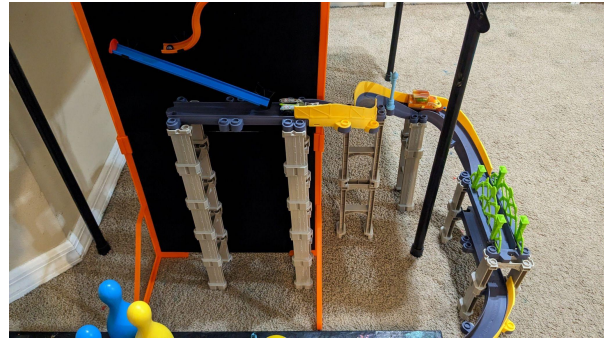


7. A big marble that was being blocked by the plunger, will roll down the ramp and will fall onto an orange curvy track. (Potential to kinetic)
8. When it reaches the bottom, it will hit a small marble making it roll down. (Potential to kinetic energy)



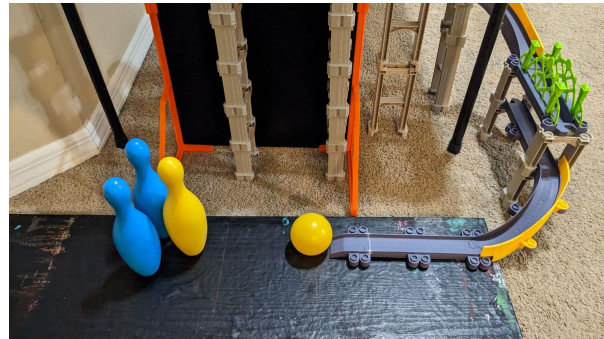
9. The small marble will roll down and hit the car making it roll down the train track. (Potential to kinetic energy)

10. The car will roll down and hit the train. The train will go down the track to the bridge, which will drop down. (Potential to kinetic energy)



11. The train will go down the track and hit the ball making it roll forward. (Potential to kinetic energy)

12. Finally, the ball will go hit the pins making it fall down. (Kinetic to kinetic energy)



Electricity Used

I used a battery powered train in my energy transfer. The train was used to go along the track and hit the Jenga blocks. The problem was how to turn on the train without touching it. In the end I just decided on leaving the train on from the start and using another Jenga block as blockage.

The Objective

The objective was to make all of the pins fall over.