

Energy on Wheels

Reflection/Conclusion

2. Does the car's starting height affect its final speed? Explain....
3. Draw a graph showing the final speed as a function of starting height. $F(h) = v_f$
4. Calculate the square of the final speed values (v^2), and draw a graph of the final speed as a function of starting height using the following equation $f(h) = v^2 / 2g$

Communicating Results:

5. Create a loom video recreating the experiment. In this video you should discuss the physics of Kinetic Energy as a function of Potential Energy. Discuss how energy can be lost from the system. Discuss how a change in height affects final velocity, assuming the length of the track stays the same. Video length should be a maximum of 4 minutes.

