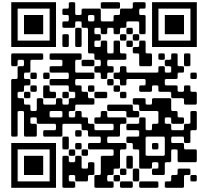


High road low road

Key words: Kinetic energy, Mechanics, Velocity



Equipment List:

1. 2 Track setup
2. Box of balls

How to assemble and operate:

- Place a ball at the top of each track
- Let go
- Observe the difference in time taken to reach the end
- Repeat with different balls

Description/Theory:

Although the total potential energy converted to kinetic energy is the same for each ball, the ball on the “low road” has a higher velocity for longer, and will thus reach the end first.

Comments/Notes:

Some of the balls are quite bouncy, and may bounce around on the floor if not caught by the basket at the end of the track.