

INV. 4 ACTIVITY—ROLLING BALLS DOWN SLOPES

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Materials

- Different size balls
- Cardboard used for a ramp
- Outdoor space

Suggested Procedure

1. Collect different size balls. Find a space outdoors. Think about creating a slope.
2. Investigate working with different variables of starting position, size of the ball, height of slope, distance rolled, timing and speed.
3. In your notebook collect data on each of your trials with each of your variables.
 - How does starting position affect the speed of a ball rolling down a ramp?
 - How does different size balls affect the speed of a ball rolling down the ramp?
 - How does different heights of a slope affect the speed of a ball rolling down the ramp? Explain your thinking in your notebook.