



Ball Drop

Lesson: Forces and Motion

Materials Needed:

- Rulers or Yard stick
- Pencils
- Balls that bounce
- Graph paper



Steps:

- Have students get into groups of 3-4
- Distribute one ball to each group
- Students predict how high their ball will bounce from each of three heights—12", 24" and 36".
- Groups bounce their ball and measure the height of its bounce from different heights—12", 24" and 36"; Students may bounce and measure twice to ensure accuracy.
- Students graph their data using a line graph to show the changes when their ball was bounced at different starting heights.
- Students also predict which type of ball will bounce the highest and why

Drop Height	Predicted Bounce Height	Actual Bounce Height
12 Inches	_____ inches	_____inches
24 Inches		
36 Inches		