

Monkey Hunter

Estimated Time for Activity: ~5 minutes

Optional Objectives:

The students will:

- Understand the effects that gravity has on motion.
- Gain insight into the components of vectors.

Materials:

- Ring stand
- Electromagnet
- Paddle
- Control box
- Cannon with photogate and aiming laser
- Plastic ball

Optional Vocabulary:

- Vector
- Gravity
- Component

Procedures:

- Make sure laser beam is aligned to the target.
- Load ball into cannon.
- Explain that when the ball leaves the cannon, the paddle will begin to fall.
- Ask if the ball will still hit the paddle since it was aligned before everything went into motion.

Optional Post-Activity Question(s):

Why did the ball hit the paddle even though the paddle dropped?