

Monkey Hunter

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Time Taken:~5-10 min

Objectives: (optional)

The students will:

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

Materials:

- Ring Stand (provided)
- Electromagnet (provided)
- Paddle (provided)
- Control box (provided)
- Cannon with photogate and aiming laser (provided)
- Plastic ball (provided)

Vocabulary: (optional)

- 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.

End of activity questions to ask: (optional)

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