

Hard Plastic Wheel

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Time Taken: ~ 5 min

Objectives: (optional)

The students will:

- Gain insight into the concept of angular momentum and conservation thereof

Materials:

- Hard plastic wheel

Vocabulary: (optional)

- Angular momentum
- Moment of inertia
- Angular velocity

Procedures:

- Start with the plastic wheel not spinning.
- Ask the students if you spun the wheel while it was held upright what would happen when you let it go and held it by only a string
- Spin the wheel and demonstrate that it stays standing up

End of activity questions to ask: (optional)

- What causes it to stay standing up