

## Items to be acquired:

These items should be purchased or borrowed. Any source is fine.

- Scientific calculator
  - Recommended: [Texas Instruments TI-30XS](#)
- Digital stopwatch
- Matchbox car and 6 ft. of track (to be used in multiple labs)
  - Recommended: [Hot Wheels Kit](#)
- Mead Quadrille Notebook
- Composition or Note-taking notebook
- Blue or Black indelible ink pen
- Pencils
- Ruler with both inches and centimeters

## Complete list of materials

What follows is a list of materials for each lab. The majority of the materials are common household items. Students should ensure that all materials are ready before work is begun on each lab throughout the year. Students should always bring their calculator to lab.

### Unit 1: Pendulum Lab

- Ruler
- Masking tape
- 1 yard of string
- Paper clip
- 3-6 1" washers; hardware nuts; or a similar item

### Unit 2: Accuracy vs Precision Activity

- Sheet of paper
- Ruler

### Unit 3: Velocity Lab

- 2 toy cars or small balls of different types (Ex. hot wheel cars, baby toy car, golf balls)
- Books/boxes that can be stacked 4 inches high
- 12" long piece of cardboard that can be used as a ramp
- Digital stopwatch

### Unit 4: Acceleration Demonstration

- No materials needed

# Materials List for Units 1-6



## Unit 5: Ptolemaic Solar System

- 2 different sized paper plates (or 2 of the same size)
- Index card
- Colored marker
- Ruler
- 2 Paper fasteners (Paper brads)
- Scissors
- Ruler

## Unit 6: Galileo's Gravity Experiment

- Hot wheels car
- Hot wheels track
- Digital stopwatch
- Masking tape
- Books/boxes that can be stacked 6 inches high
- 3-4 feet strip of cardboard (to stabilize the track)