

# MATERIALS LIST FOR PHYSICS: MECHANICS

The materials needed are listed here in the sequence used, by experiment. A “shopping list” at the end gives them all together without duplicates.

## **A.5. Demonstrate:**

a globe or a large ball to represent the Earth.

## **B.21. Practical Application:**

Vernier or other measuring equipment for time, distance and mass

low-friction cart

horizontal track

spring-loaded plunger

different mass to put on the cart

sloping track with a release trigger

motion sensors

## **B.25. Practical Application:**

spring scale

mass

## **B.29. Practical Application:**

spring scale

several different masses

## **C.8. Practical Application:**

Vernier or other measuring equipment for determining force, mass and velocity

pendulum

bob of known mass

## **C.16. Practical Application:**

Vernier or suitable equipment to measure and record force and distance

an object to lift and slide

various surfaces (some rough, some smooth)

a very smooth ramp to slide the object up

## **C.25. Practical Application:**

Vernier or equipment suitable to measure and record force, time and distance.

a very smooth ramp to slide the object up

an object to lift and slide

bob of known mass

different mass to put on the cart.

equipment suitable to measure and record force, time and distance

cart, low-friction

## SHOPPING LIST

globe or large ball (to represent the Earth)  
pendulum  
plunger, spring-loaded  
surfaces, various, (some rough, some smooth).  
track, horizontal  
track, sloping, with release trigger  
Vernier or other equipment to measure and record:  
    distance  
    force  
    mass  
    motion  
    time  
    velocity