

A Logos Science Lab Kit for use with BJU Press Physical Science (6th Ed.)

Used in conjunction with the BJU Press Physical Science Lab Manual, The Logos Science Physical Science Addendum and Lab Kit contains information, equipment, and supplies your student needs to fully experience the awe-inspiring, interactive world of the physical sciences as mapped out in the BJU Press Physical Science Lab Manual. Logos has completely tuned the Physical Science Addendum and Laboratory Kit with the BJU Press Physical Science Lab Manual to: 1) eliminate the need for high cost equipment, 2) maximize safety for non-traditional laboratory settings, 3) maximize the advantages of non-traditional learning environments (e.g. home school and small class settings), and to 4) maximize each student's exaltation of our Creator by the witnessing of strikingly reproducible interactions between various physical components of His marvelous works.

Contents

Equipment and Supplies

bags, resealable, sandwich
ball, small, bouncy
ball, tennis
battery, 1.5 volt AA (5)
battery holder
beaker, 50 mL
beaker, 100 mL
beaker, 150 mL
beaker, 250 mL
beaker, glass, 400 mL
beaker, 600 mL
bolt, steel, 3/8" (3.5" length)
breadboard
buzzer, electric
car, model, 3 different types
cardboard (20 cm x 20 cm)
cardboard (8.5" x 11")
cardstock (8.5" x 11")
cart
cellulose
centrifuge tubes, 15 mL
coffee filters
colored pencils
compass, magnetic, small, (5)
conductivity tester
construction paper
copper shot
craft sticks
cup, paper
cup, plastic, mini (2)
cups, foam, (2)
cylinder, graduated, 10 mL
cylinder, graduated, 25 mL
cylinder, graduated, 50 mL
cylinder, graduated, 100 mL
diffraction grating
dowel, wooden (30 cm)
Erlenmeyer flask, 250 mL

flashlight
friction block (same as support board)
funnel, filter
goggles, safety
gloves, nitrile
iron filings
laboratory balance
LED (3)
lens, converging (about 20 cm focal length)
lens holder
magnet
metal samples (3)
mirror, plane
mirror support
multimeter (3)
nail, iron
paperclip, large
paperclips, small, 1 box
pins, straight
pipet, disposable
pipet, graduated
protractor
pulley, double (2)
pulley clamp
reaction plate, 24-well
resistors (220 Ω) (3)
resistors (5)
rubber band
ruler, metric, wood
sand
slotted mass set with hanger
spring
support board
tape measure, metric
teaspoon, plastic
test tube rack
test tubes (13x100)

thermometer
thread, strong
tongs (crucible)
toy boat
tubing, 1/4", plastic (12" length)
tubing, laboratory, 1 m (2 lengths)
tuning fork, 1024 Hz
wash bottle
washers
wax (candle)
wax paper
wire, insulated, 22-gauge (2 m)
wire, nichrome inoculating (4")
wires, jumper
wooden peg (1 cm)
wooden spool
zinc, mossy

Chemicals

biuret solution
bromothymol blue (C₂₇H₂₈Br₂O₅S)
calcium chloride (CaCl₂)
calcium hydroxide (Ca(OH)₂)
copper (II) chloride (CuCl₂)
hydrochloric acid (HCl, 0.1 M)
magnesium chloride (MgCl₂)
phenol red (0.02% solution)
potassium chloride (KCl)
sodium hydroxide (NaOH, 0.1M)
starch solution
strontium chloride sol. (16%, SrCl₂)
trisodium citrate (Na₃C₆H₅O₇)

Indicators

litmus paper (purple)
Universal pH paper



WARNING! CHOKING HAZARD:
-Small parts. Not for children under 3 years.