Pillar Scientific Supply, Inc.

# Adventures in Science

Level 5
Materials & Pricing



# **Teacher Base Kit & Supplies**

**Base Kit:** 

Teacher's Edition (Color, 164 Pgs.) Density Block Set

Acrylic, Pine, Nylon, Alum.

Supplies:

Agar, Nutrient 125ml
Beaker Glass 100ml
Beaker Glass 250ml
Beaker Poly 1000ml
Beaker Poly 100ml (2qty)
Beaker Poly 250ml
Beaker Poly 500ml
Beaker Poly 50ml (2qt
Erlenmeyer flask (Glass

250ml)
Extension Support Ring

Filter Paper 24cm, 10ct Filter Filler Paper 7cm, 100ct

Friction Pad, Silk

Digital Scale

Hot Dots® Science Set:

"Matter & Energy"

Friction Pad, Wool Friction Rod, Glass Friction Rod, Rubber Graduated Cylinder

(Poly 25ml Lab Apron Lab Spoon Petri Dish 10qty

Pipette

Pith Balls 12/pk Ring Stand w/ 18" Rod Rod Clamp Safety Glasses Hot Dot Pen

UV Beads (1oz)

Weather Watch Station Bella 28qt clear storage

container with lid

Seeds, Lima Beans Seeds, Mustard Seeds, Parsley Seeds, Sunflower

Stir Rod

Swabs, Cotton Sterile (8)

\$320

Thermometer, Part

**Immersion** 

Tuning Fork 100hz
Tuning Fork 4096hz
Weigh Dish10/pk
Wire, Copper 3m
Wood Splint 20c

**Teacher Deluxe Kit** (*Includes* Base Kit & Supplies, plus additional listed items)

\$100

Frictional Force Apparatus: Friction Block with Hook for Spring Scale and 3 compartments for weights, Friction Board, Spring Scale, (3) 50g Brass Weights

FunFly Stick See Thru Compost Container Multimeter

# **Student Base Kit & Supplies**

Student Workbook (Color 241 Pgs)

Acrylic Paints Glow in the Dark

(6/pk 2oz) Bar Magnet Battery Holder Brush Set (6/pk) Bulb Socket

Bulb, Miniature Compass Copper Strip, 2ct Dissecting Set, 7 piece w/

Pouch Knife Switch Lab Apron

Leads w/Alligator Clip (3ct)

Led Light

Magnifying Loupe, 3 lens, 15x

Mortar and Pestle Owl Pellet

Plant Pot (Qty 9) Prism Glasses Prism, Glass \$170

Safety Glasses Soil Pill (Qty 9)) Solar System Kit Spring Scales (100gr) Test Tube (6) w/ Cap Test Tube Brush Test Tube Rack (6 pl)

Tweezers Weigh Bucket

Wire, Insulated copper (1m)

Zinc Strip (Qty 2)

# Adventures in Science Level 5 Concepts



# **Interpreting graphs**

- Line graph
- Pie graph
- Bar graph

#### **Observe and measure**

- Length and distance
- Meter
- Decimeter
- Centimeter
- Millimeter
- Kilometer
- ➤ Gram
- Capacity and volume
- Density
- > Water displacement

## Grouping and classifying

- > Five kingdoms of living things
- > Animal kingdom
- Dichotomous keys

# **Experiment process**

Do plants need sunlight?

# **Chemical and physical changes**

- > Fresh water
- Chemical change
- > Temperature
- Acids or bases

# **Energy**

- ➤ Electrical energy
- Light energy
- Sound energy
- Thermodynamics
- Frictional force
- Electricity
- Magnets
- Simple circuits
- Conductors and insulators
- Batteries

#### **Habitats**

- Pollution
- Ecosystems

#### **Plants**

- > Let's grow
- Flower power
- > And then there were seeds
- Water

#### Earth layers

> Soil components

#### What is weather?

Rain or shine

### The moon

- > Lunar eclipse
- Solar eclipse
- Constellations
- Solar system

#### **Planets**