Lawn and Garden Equipment Learning Lab Kit - CONTENTS

Equipment Identification
12 Equipment Identification prints
    Rotary tiller, Rotary walk-behind lawn mower, Riding mower, Edger,
    String trimmer, Chipper/Shredder, Aerator, Dethatcher, Leaf blower,
    Chain saw, Snow blower, and Hedge trimmer
12 Tool Identification prints
    Screw driver, Slip joint pliers, Combination wrench, Adjustable wrench,
    Rachet, Spark plug socket, Nut driver, Bench grinder, Flat file, Thickness
    and wire gap gauge, Outside micrometer, and Click-type torque wrench
16 Engine Parts Identification prints
    Valves, Piston rings, Air cleaners, Ball bearings, Cylinder block, Crankshaft,
    Camshafts, Flywheel, Carburetor, Solid-state ignition system, Head gasket,
    Piston, Tappets or Cam followers, Ignition coil, Connecting rod, and Breaker
    points & condensers
3 task and answer cards
    - Equipment Identification (dark pink)
    - Engine Parts Identification (green)
    - Tool Identification (orange)

Supplying Power
3 charts–answers appear on the back of each chart.
    - Parts of a 2-Cycle Engine
    - Parts of a 4-Cycle Engine (top view)
    - Parts of a 4-Cycle Engine (bottom view)
1 chart
    - Differences Between 2- and 4-Cycle Engines (green)
2 posters
    - Events in a 2-Cycle Engine (yellow)
    - Events in a 4-Cycle Engine (purple)
5 Events in a 2-Cycle Engine diagram cards (for use with the Events in a 2-Cycle Engine poster)
    - Step 1
    - Step 2
    - Step 3
    - Step 4
    - Step 5
4 Events in a 4-Cycle Engine diagram cards (for use with the Events in a 4-Cycle Engine poster)
    - Intake
    - Power
    - Exhaust
    - Compression
5 task and answer cards
    - Parts of a 2-Cycle Engine (red)
    - Events in a 2-Cycle Engine (yellow)
    - Parts of a 4-Cycle Engine (blue),
    - Events in a 4-Cycle Engine (purple),
    - 2- and 4-Cycle Differences (green)
1 Two-Cycle Engine Model with movable piston, camshaft, and connecting rod
Lawn and Garden Equipment Learning Lab Kit

CONTENTS (continued)

Equipment Operations and Safety
2 sets -of scenario cards and conclusion cards
  - Troubleshooting Scenarios - 14 (red)
  - Troubleshooting Conclusions - 14 (yellow)
1 spiral-bound flip book on yellow polystyrene
  - Safety Attire for Lawn and Garden Equipment Operation
2 task and answer cards
  - Safety Attire (lemon)
  - Troubleshooting (red)

Equipment Maintenance
1 poster
  - Small Engine Maintenance (orange)
2 task and answer cards
  - Engine Maintenance (orange)
  - Engine Storage (blue)
4 Engine Maintenance task and answer cards
  - Air Cleaner (yellow)
  - Blade Sharpening (orange)
  - Spark Plug (blue)
  - Fuel Selection (white)

Miscellaneous
1 assembly instructions
1 canvas carrying case
1 shipping box
3 white polystyrene sheets of identification labels
228 sets of Velcro dots (includes extras)
1 plastic bag containing 4 screw posts
13 zipper pouches
13 adhesive labels for zipper pouches
1 spark plug
1 taper gauge

Resource
1 Educator’s Resource Materials Set (red, spiral-bound)