

## **SCIENCE 8 UNIT A MATERIALS BY LESSON**

### **SECTION A1**

#### **Section A1 Introduction**

- ☐ shallow glass pan
- ☐ water
- ☐ vegetable oil
- ☐ cup
- ☐ measuring spoons
- ☐ straws
- ☐ cotton balls
- ☐ dish detergent

#### **Lesson A1**

- ☐ chemical inventory chart
- ☐ pencil

#### **Lesson A2**

- ☐ olive or coconut oil (75 ml or  $\frac{1}{4}$  cup)
- ☐ water
- ☐ beeswax (1 tablespoon)
- ☐ scented oil (5 drops)
- ☐ measuring cups
- ☐ measuring spoons
- ☐ spoon
- ☐ stove
- ☐ cooking pot
- ☐ large heatproof bowl (fits over the cooking pot without touching the bottom)
- ☐ oven mitts
- ☐ glass measuring cup (with a spout)
- ☐ blender or food processor (with feeder hole in the lid)
- ☐ 2 identical balloons
- ☐ ruler
- ☐ string
- ☐ scissors
- ☐ sharp pin or skewer
- ☐ plastic bag
- ☐ empty plastic milk or juice jug

- ☐ tape
- ☐ candle
- ☐ matches or lighter

## **SECTION A2**

### **Lesson A3**

- ☐ tape (masking or cellophane)
- ☐ paper circular coffee filter (or paper towel)
- ☐ water-soluble felt pens (different colours, like Crayola Original Markers™)
- ☐ tall cups
- ☐ water
- ☐ popsicle sticks
- ☐ empty and clean white plastic jug (such as a milk jug or vinegar jug)
- ☐ sharp scissors
- ☐ newspapers
- ☐ coloured permanent markers, at least 3 different colours (like Sharpie™)
- ☐ isopropyl alcohol (rubbing alcohol)
- ☐ eyedropper

### **Lesson A4**

- ☐ 2 tall cups
- ☐ baking soda
- ☐ warm water
- ☐ string (kitchen twine or wool)
- ☐ scissors
- ☐ Spoon
- ☐ small plate

### **Lesson A5**

- ☐ wood skewer or popsicle stick
- ☐ water
- ☐ sugar
- ☐ measuring cup
- ☐ cooking pot
- ☐ stove
- ☐ oven mitts
- ☐ whisk

- ☐ flavouring (liquid extracts such as vanilla, almond, or mint)
- ☐ food colouring (red, blue, yellow)
- ☐ funnel
- ☐ tall narrow glass cup or jar
- ☐ 2 clothespins
- ☐ M&M's™ candies (3 of the same colour)
- ☐ 3 identical clear cups
- ☐ isopropyl alcohol (rubbing alcohol)
- ☐ baby oil (mineral oil)
- ☐ measuring spoons
- ☐ timer
- ☐ baking soda
- ☐ white vinegar
- ☐ corn syrup
- ☐ cornstarch
- ☐ muffin pan
- ☐ glass measuring cup (with a spout)
- ☐ spoon
- ☐ paper
- ☐ paintbrush

**Lesson A6**

- ☐ sand
- ☐ salt
- ☐ gravel
- ☐ vegetable oil
- ☐ large jar
- ☐ cups (plastic or glass)
- ☐ coffee filters
- ☐ mesh strainer
- ☐ funnel
- ☐ spoon
- ☐ eyedropper or turkey baster
- ☐ water
- ☐ cooking pot
- ☐ stove

**SECTION A3**

**Lesson A7**

- ☐ old newspapers
- ☐ large bowl
- ☐ cornstarch (1 box)
- ☐ water
- ☐ measuring cup
- ☐ food colouring (optional)
- ☐ maple syrup
- ☐ oil
- ☐ honey
- ☐ water
- ☐ dish detergent
- ☐ cookie sheets (2)
- ☐ old books or wood blocks
- ☐ timer
- ☐ thermometer
- ☐ cups
- ☐ measuring spoons

**Lesson A9**

- ☐ raw eggs (3)
- ☐ tall drinking glasses (3)
- ☐ water
- ☐ salt
- ☐ spoons
- ☐ glass measuring cup
- ☐ turkey baster
- ☐ small cups (9)
- ☐ honey
- ☐ corn syrup
- ☐ maple syrup
- ☐ homogenized milk
- ☐ dish soap
- ☐ vegetable oil or canola oil
- ☐ rubbing alcohol
- ☐ baby oil
- ☐ food coloring (red, blue, and yellow)
- ☐ dish towel

- ☐ sugar
- ☐ measuring spoons
- ☐ raisins
- ☐ club soda or lemon-lime soda

**Lesson A10**

- ☐ 2 identical balloons
- ☐ 50 thumbtacks (the kind that lie flat on their backs)
- ☐ 3 drinking straws
- ☐ drinking glass
- ☐ water
- ☐ modelling clay
- ☐ empty plastic jar with plastic lid (like a peanut butter jar)
- ☐ hammer
- ☐ nail
- ☐ empty pop can
- ☐ large stainless steel bowl
- ☐ measuring spoons
- ☐ stove burner
- ☐ oven mitts
- ☐ tongs

**SECTION A4****Lesson A11**

- ☐ piece of scrap cotton fabric (such as an old T-shirt)
- ☐ permanent marker
- ☐ ballpoint pen
- ☐ washable ink pen
- ☐ rubber gloves
- ☐ hairspray
- ☐ water
- ☐ rubbing alcohol
- ☐ dish soap
- ☐ old newspapers
- ☐ shallow pan (glass or metal)
- ☐ cardstock paper (heavier than regular paper)
- ☐ scissors
- ☐ nail polish (at least 3 different colours)

**Lesson A12**

- ☐ aluminum foil
- ☐ scissors
- ☐ ruler
- ☐ 50 coins (all the same type)
- ☐ large plastic tub
- ☐ water

**Lesson A13**

- ☐ empty clean pop bottle (2 L size)
- ☐ flexible clear plastic tubing (2 metres, 1 cm diameter)
- ☐ sharp scissors
- ☐ duct tape
- ☐ 2 bowls
- ☐ square plastic container
- ☐ water
- ☐ food coloring
- ☐ drinking straw
- ☐ permanent marker
- ☐ wooden skewer
- ☐ tape

**Lesson A14**

- ☐ empty and clean 2 L pop bottle
- ☐ sharp scissors
- ☐ plastic tubing (1 metre, 5-10 mm in diameter)
- ☐ modelling clay
- ☐ 10 coins
- ☐ duct tape
- ☐ kitchen sink or deep container
- ☐ water
- ☐ balloon
- ☐ old CD or DVD
- ☐ hot glue gun
- ☐ piece of cardstock paper
- ☐ tape
- ☐ ruler
- ☐ sports bottle cap

