

## Brownie Home Scientist Badge

### **Recommended Supplies for Suggested Activities:**

#### **Step #1: Be a kitchen chemist: Make a tasty vinaigrette salad dressing!**

- Teaspoon measure
- Tablespoon measure
- Measuring cup
- 1 teaspoon mustard
- 1 tablespoon vinegar
- 1/2 cup oil (olive, sunflower, canola, or any form of oil for dressing)
- Salt and pepper
- Small bowl to stir mixture
- Spoon to stir
- *Optional:* Herbs and spices
- *Optional:* Jar with a lid

#### **Step #2: Create Static Electricity**

- Blown up balloon
- Plate
- Salt and pepper
- *Optional:* A ping pong ball

#### **Step #3: Dive into Density**

- 1 small box of raisins
- 1 can or glass of lemon-lime soda (like Sprite or 7-Up), sparkling water works too!
- Tall clear glass

#### **Step #4: Make something bubble up!**

- Teaspoon measure
- Tablespoon measure
- 2 tablespoons vinegar
- 1 teaspoon baking soda
- Clean, empty 20 oz. soda bottle
- Balloon (but have extra balloons on hand)
- *Optional:* Funnel

#### **Step #5: Play with science!**

- Mixing bowl
- Measuring cup
- Spoon
- Roughly 2 cups of cornstarch
- Roughly 1 cup of water
- Yellow and green food coloring