

## 4-H Science Sisters – Thermal Energy

“What will happen when a drop of food coloring is added to containers of water that are each a different temperature (hot, cold & room temperature)?”

### **Supply Needs:**

- 3 clear jars
- Food coloring
- Masking tape
- Markers
- Thermometer (optional)
- Microwave (or access to heat up water)

### **Predictions:**

What will happen to the drops of food coloring?

Hot water:

Cold water:

Room temperature water:

\*A **molecule** is the smallest unit of a substance that has all the properties of that substance. For instance, a water molecule is the smallest unit that is still water. A water molecule can be divided into tiny parts called atoms.

