A DROP TRAVELS!
THE WATER EXPERIMENT!

Activity: The Water Cycle in a Plastic Bag

🎯 **Objective:**
Students will observe how the water cycle works through a simple experiment that demonstrates evaporation, condensation, and precipitation.

🧰 Materials Needed:

- 1 clear resealable plastic bag (zip-lock type)
- Permanent marker
- A small amount of water (about 1/4 cup)
- Blue food coloring (optional)
- Tape
- A sunny window

Procedure:

1. Draw the cycle:
Using the marker, draw a sun, clouds, and raindrops on the outside of the bag. (The sun can be on one side, the clouds at the top, and the raindrops below.)
2. Add water:
Pour the water into the bag. If you like, add a drop of blue food coloring to make it more visible.
Seal the bag tightly.
3. Place it on a window:
Tape the bag to a sunny window where it will get some warmth from the sun.
4. Observe!
After a few hours (or a day), you'll start to notice:
   - Evaporation: The water "disappears" as it warms up from the sun.
   - Condensation: Tiny droplets form on the sides of the bag — like clouds!
   - Precipitation: The droplets "fall" back down — like rain!

💬 **Discussion Questions:**

- What changes did you notice in the bag?
- Which stages of the water cycle can you see here?
- What role does the sun play?
- Where else do we see these processes happening in nature?

🧠 We learn that:
Water is constantly moving through nature in a cycle:
Evaporation → Condensation → Precipitation → Collection.
This is the Water Cycle! 🌧️☀️💧