# Kindergarten – Earth Science: Weather and Sky

- Week 1
  - **Take Home Science A: Observing the Nighttime Sky (link):** Observe the sky at night and make drawings of the objects you see.

  - **Sky Mobiles:** Make models of objects in the sky using a paper plate and markers or crayons. Use yarn and paper clips to hang the mobile.

- Week 2
  - **Read Literacy Article 2B: What to Wear? (link)** What do you wear outside on a rainy day?

  - **What's Your Favorite Weather?** Ask people in your family which weather they prefer: hot and sunny, cold and sunny, hot and rainy, or cold and rainy. Tally the votes and make a pictograph showing family preferences for each type of weather.

- Week 3
  - **Read Literacy Article 3C: Play it Safe (link):** What should you do if you hear thunder when you are outside playing?

  - **Take Home Science B: Be Weather Safe (link):** Create a weather safety kit to be prepared for dangerous weather. Some possible objects to include are:
    - Something that produces light
    - Something you could use for first aid
    - Something to keep you warm
    - Something to eat and drink

- Week 4
  - **Read Literacy Article 4C: Hello Sun (link):** How does the Sun help us each day?

  - **Dressing or the Temperature:** Make a poster showing examples of clothing to wear for different temperatures:
    - Draw 2 lines to divide the poster into 4 sections or quadrants.
    - Label the quadrants Hot, Warm, Cool and Cold
    - Cut out pictures of people wearing appropriate clothing for each temperature word, and glue or tape the pictures in each quadrant.

- Week 5
  - **Measuring Sunlight by Observing Change:** Make Sun detector bracelets out of pipe cleaners and UV beads, which can be found at most craft supply stores:
    - Count out ten beads and thread them on to the pipe cleaner.
    - Join the ends together and twist to form a circle.
    - Slide a bead over the joined ends so any rough edges are covered.
    - Observe the color of the beads inside the building.
    - Go outside on a sunny day and a cloudy day, and observe changes in the beads.
    - Draw your observations in your science notebook.

  - **Keep It Low**: Design and build a small cover to reduce the Sun's warming effect on soil, rocks or water. Which materials is kept coolest by the structure?

- **Innovators in Science –** Pick a person below, research and write about why they can be called an "innovator in science."
  - Mary Golda Ross – www.nasa.gov/image-feature/mary-ross-a-hidden-figure
  - Rosaly Lopes – www.science.jpl.nasa.gov/people/Lopes/