

Day 1 Weather Journal

Weather affects everything on our planet from wildflowers to vernal pools. Make a weather journal for the week or print this [Weather Notebook](#). If you make your own weather journal make a data collection chart to record sky condition, temperature, wind and precipitation. Record your observations each day this week.

Day 2 Make a Windsock

Use strips of tissue paper, crepe paper, paper towel or magazines and attach them to a paper, toilet paper tube or something similar with glue, staples, or tape. Also attached a handle. Try to keep it light weight. Use this tool each day to determine how windy it is. Remember to record it on your chart.

Day 3 Soil & Water

Take a large cup of water and go out and find a dry spot in the yard. Sprinkle the water with your hand over the ground to simulate rain. How much water does it take to make the soil wet? How deep into the soil do you think the water went. Dig a small hole to find the answer. You can dig with a trowel, spoon, or stick.

Day 4 Making Observations

Sit outside quietly for a few minutes and use your scientist skills to observe the wind, sky, temperature, birds, mammals, insects, plants and everything else around you. Then try two of the following activities to share your observations with others. Write a poem - Make a dance - Draw a picture - Act out a skit - Write a story - Write a song about it

Day 5 Clouds & Making Rain

Gather a clear plastic bag, soil, water, tape, and a window. Place about ½ inch of soil in the bag, add water to make the soil making it moist but not muddy. Seal the bag and tape in a sunny window. Watch what happens during the day. While you wait for rain to be created inside the bag take this [cloud viewer](#) outside and look for different types of clouds. To use the cloud viewer cut out the center rectangle and hold the viewer up toward the sky to match the pictures with the clouds you see. The clouds on the bottom of the viewer are the cloud types lower in the atmosphere and the clouds on the top of the viewer are the highest in the atmosphere.

Kindergarten

Collect weather data using this [weather wheel](#) or any other tools you have available to you (including your eyes). Share the day's weather with an adult by pretending to be a meteorologist that is giving the forecast on TV. Is it sunny? Is it snowy? Is it hot or cold? You give the report.

1st Grade

Each season is related to the tilt of the Earth. During spring the Earth is neither tilted toward or away from the sun resulting in almost equal daylight to nighttime. Look for signs of winter melting away and spring coming alive. Can you find an animal that has been missing since the fall? Can you find a plant starting its life? What other signs of spring can you find?

2nd Grade

Weather can bring two states of water. What two states can precipitate to Earth in a storm? (Liquid and solid). Go outside and see if you can find both states of water courtesy of Michigan spring weather. Brainstorm different forms of solid water that could come from the clouds.

3rd Grade

Identify a problem Midland as a city or Michigan as a state has due to weather (e.g. shoreline erosion due to lake effect winds, potholes in roads due to freezing and thawing, power outages due to wind storms in the fall, etc.). Design a solution to your chosen problem and create a model out of natural materials. Explain your solution to someone else.

4th Grade

Investigate "green" energy. Use recyclables to design something that could change solar, wind or water energy into energy that could be used to power a house. Explain your design to someone else.

5th Grade

The saying goes that April showers bring May flowers. Spring showers can also work to refill the local water reservoirs including the Great Lakes. Take a look around your backyard and resident green space to see if there is any standing water from rain that animals and plants are able to use. Map the space and include the standing water that you found and check it again after the next rain to see if any changes occurred.