HIGHLANDS BIOLOGICAL FOUNDATION

Week 8
Nearby Nature – Weather

Monday 5/4

To celebrate the April showers 🌧 that bring us May flowers 🌷, we're focusing on our wonderful wet weather for this week's #NearbyNature. Kick things off by making your own cloud with these steps from CoCoRaHS Headquarters! ☁ Find the full activity here: https://www.cocorahs.org/…/Less…/4h/4h-cloud-in-a-bottle.pdf

Tuesday 5/5

Did you know that Highlands is a temperate rainforest? Part of what makes our area so unique is how much rain we get. For today's #NearbyNature, you can make it rain with some shaving cream and food dye in this The STEM Laboratory activity: https://thestemlaboratory.com/rain-cloud-jar/

Wednesday 5/6

We're still thinking about rain for today's #NearbyNature. It's normal for Highlands to receive 80-120 inches of rain in a single year. Just last week we had over 2.5 inches of rain in a single day! How much rain falls where you are? Try your hand at measuring it with this homemade rain gauge from Scholastic: http://teacher.scholastic.com/…/w…/gather_data/raingauge.htm

Gather Data: Experiment with Weather

Rain Gauge

A rain gauge is a tool for measuring the amount of rain that falls in a given period of time.

Build Your Own Weather Tool!
Use the materials and follow the directions below.

Materials
- Clear jar (at least a quart)
- Clear waterproof tape
- Ruler

Directions

1. Place the ruler inside the jar so that the inches are visible from outside the jar. Make sure the bottom of the ruler is even with the bottom of the jar.
2. Tape the ruler to the side of the jar

Experiment!

1. Place the rain gauge outside in an open area.
2. Check the rain gauge every day at the same time.
3. Record on your Weather Data Sheet (PDF) how much rain is in your gauge to the nearest ¼" (.25) inch.
4. Empty the gauge every day.

Thursday 5/7

Whether cold and gray or warm with sun showers, you can use today's #NearbyNature to track the temperature as spring warms up! With a bottle, some modeling clay, a straw, and other supplies, you can make your own thermometer. Follow the instructions at the link below from PBS to get started. Share a picture of your bottle thermometer with us! 🌡

https://www.pbs.org/parents/crafts-and-experiments/make-a-bottle-thermometer?fbclid=IwAR1Ja6pDnkCG21yMa8bNalWwUPaNfcaVGT5E4GzbgQBCU6f5IevyCT3IES0

Friday 5/8

If you've enjoyed thinking about the weather for this week's #NearbyNature, check out Globe Observer Clouds ☁! This citizen science project invites budding meteorologists of all ages and abilities to help NASA - National Aeronautics and Space Administration train their satellites. Watch this video from Prairie Ridge Ecostation to learn more:

Video:
https://www.facebook.com/prairieridge/videos/1097369410645624/UzpfSTE0MjU2MTY0OTEyMzc3NToyOTExNjg5NTI4ODc3NjI2/