

PD *What Kind of Weather* 2nd grade Spring 2021 CCPS

Goal: Teachers integrate outdoor science learning with the National Geographic text *What Can Clouds Bring*

Grade(s): 2nd

2018 SCI SOLs: 1.7 (weather/season change) 2.3 (phases of matter), **2.6 (types of weather), 2.7 (weather changes causes and effects)**

Materials

- Primary text: *What Can Clouds Bring* (Nat Geo)
- Supporting texts: *Cloudy with a Chance of Meatballs, Come on Rain*
- Student journals
- Construction paper (blues, grays, white)
- Scissors
- Glue sticks
- Pencil
- Weather tools (thermometers, anemometer, cloud chart)
- mats for teachers

Directions

1. Sky observations: Lie down for a sky stare. What do you see in the sky? How does that make you feel? What do you think will happen next?
2. Read *What Can Clouds Bring* (note that with students, this may be a full literacy activity)
3. Cut out paper in the shape of what you see in the sky, you may cut or draw (or both). Use the cloud chart to help you choose color and shape.
Use one of the words you used to describe the sky to make an acrostic poem. For example:
S ky
T oday
O ver my head
R eally
M eans
Y ucky weather
4. Glue your weather poem into your journal. On the same page, record what you see and measure weather elements. How fast is the wind? Is there precipitation (rain, snow, sleet, hail)? What is the temperature? (you can use weather tools and/or online forecasting/weather records. Compare your experience of the weather with the data collected. How did the weather feel to you?
5. Based on the forecast (teachers will look up forecast on their favorite weather app, website), how do you expect the clouds to change? We recommend doing this observation multiple times over a period of a few weeks to develop weather sense. If the observation *does* go on over time, start using the clouds to make your own forecast!



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