

Data Integration

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A data source site extending students learning and interest, giving further information and in the study of weather can be retrieved from, UCAR (2018) UCAR Center for Science Education, <https://scied.ucar.edu/students>. This educational site sponsored by the NSF would help to enhance the learning done within fifth grade weather science standards. It builds on the practice of prediction of weather and can lead to interest in meteorology and many other sciences. To make an interdisciplinary connection this will be an extended study of the natural disaster unit done in ELA. Math will also be integrated, with the scholars practice of solving equations to measure temperature, record/monitor wind speed, barometer readings, rain gauge, etc. The site above allows students to practice solving for relative humidity using this equation, *“Divide the amount of vapor in the air (0.5 grams) by the total amount the air can hold (1 gram) and multiply by 100 to figure out relative humidity as a percentage.”* This site in connection with the ELA unit and weather unit can lead to student discourse regarding the changes in weather from fair to natural disasters. Student will be able to use a variety of evidence from what is learned in articles and hands on learning with recorded data as resources for debate with peers.

I personally feel, that if a topic from the natural world can be studied and practiced across interdisciplinary lessons it brings forth a greater, deeper understanding and knowledge of content. Students will be more successful at applying what is learned when they have better understanding. This has made a big impact on how I view all the content I teach, and how I will instruct going further as a teacher. My goal is to continue to learn so I can provide my students every opportunity for success in a growing global society. Giving those students very intentional rigorous instruction while allowing them to drive that instruction with me as a facilitator is a busy feat I will continue to be dedicated to in my career.