

Authentic Data Integration

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My NASA Data

The data source I chose to focus this assignment on is “My NASA Data”. I chose this because I think there are many ways I can integrate this website and this data source into my classroom to enhance my learning. The link is as follows: <https://mynasadata.larc.nasa.gov/> This second link pulls the specific data set that I would use and have my students explore.

https://mynasadata.larc.nasa.gov/EarthSystemLAS/UI.vm#panelHeaderHidden=false;ifferences=false;autoContour=false;xCATID=EA87EC370E27DABCDDB17E1A8C0CA1CBC;xDSID=atmos_temp;varid=Temperature_A-id-bb8ac7d55e;imageSize=auto;over=xy;compute=Nonetoken;zlo=1000;zhi=1000;tlo=01-Sep-2002%2000:00;thi=01-Sep-2002%2000:00;catid=EA87EC370E27DABCDDB17E1A8C0CA1CBC;dsid=atmos_temp;varid=Temperature_A-id-bb8ac7d55e;avarcount=0;xlo=-180;xhi=180;ylo=-90;yhi=90;operation_id=Plot_2D_XY_zoom;view=xy

This website is such a great resource with such a wealth of information. My personal feelings about including data is that it provides real-world connections to our students, and they can see how what they're learning is affected or included in real-life context. They see the data behind what they're learning.

This data set enhances my writing curriculum. We use the Schoolwide writing curriculum in fourth grade and students need to research and write an article on a nonfiction topic. It also connects to my science units because we study the atmosphere, temperatures, norms for different parts of the world, atmospheric pressure, and systems and how they predict weather.

I plan to use this data source to create interdisciplinary lessons within my writing unit. Currently we are finishing an editorial writing piece and will be moving to write a nonfiction paper. A majority of my students are so interested in the world around them, and when the Australia wildfires broke out we did a lot of research together in reading to try to understand why this was happening. My students were assigned specific articles to read on Newsela, and some of those students even went to write about wildfires in their editorial article in writing. I could have them choose a different sphere in the world to research and write about. This would tie reading, writing, and science together.

Lastly, I don't know if NASA Home & City would technically count as a data set, but it excites me! I would love to give my students time to explore the website and share their thoughts and feelings. Introducing this to my kids could even lend to a nonfiction article topic in writing also.

References:

- Ravindran, Ashwinraj. "My NASA Data." NASA, NASA, mynasadata.larc.nasa.gov/.
- <https://homeandcity.nasa.gov/nasa/kitchen>
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