

Aimee Ferguson

Practicum in STEM Leadership

Project Proposal

Option 2 (audience: Elementary Educators)

Title: Using NASA resources to drive environmental science study

I plan to write a journal article and submit it to the National Science Education Leadership Association. Over the summer I attended their summer institute and became a member. At the conference I learned about their call for articles linked to their Leadership Matters column. My article will be on teacher leadership using effective resources to address the science and engineering practices. My focus would be using NASA materials through the Endeavor program. The NASA materials I will focus on will cover water/ mapping. If possible, I will closely pay attention to the freshwater maps. To make my article more specific I plan to closely pay attention to climate science. This will allow me to highlight my Endeavor experience and pull from each class. Educators who read my article will be able to bring back the activities I did with students/adults to their respective buildings.

Possible Resources:

[About The Hydrosphere | MyNASAData](#)

[Earthrise: Monthly e-Newsletter With Earth and Climate Science Resources - NASA](#)

Art

[STEMonstrations: Space Art - NASA](#)

[Make a Pastel Aurora! - NASA](#)

[The Air We Breathe Picture Book - NASA](#)

[Elementary GLOBE - Elementary GLOBE - GLOBE.gov](#)