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Rural Educator Network Newsletter

Connecting Educators and
Sharing Resources

NASA SciAct



Welcome

A warm welcome on becoming part of our NASA Rural team. Congratulations on behalf of all the members of the Rural Education Networking Team. We are all happy and excited about your input and contribution to our group.

As part of the community, you will have access to

1. NASA resources modified to the needs of rural audiences
2. Upcoming NASA events, webinars, and opportunities
3. Partnership highlights
4. Expressing your current needs and successes

NASA SciAct

What is SMD's [Science Activation \(SciAct\) program](#)? NASA Science has a new team to help learners of all ages “do” science! For the next four years, a cooperative network of thirty-three competitively-selected [teams](#) from across the Nation will work with NASA infrastructure teams to connect NASA science experts, [real content, and experiences](#) with community leaders to do science in ways that activate minds and promote deeper understanding of our world and

Why Rural?

Our community will collectively identify assets, needs, and strategies to better reach our rural learners to align with the equity goals in the United States' [COSTEM 2018](#) report. While we recognize that rural areas are incredibly diverse, our goal is not to find a one-size-fits all approach, but rather share strategies and resources that may be transferable and modified to fit the needs of specific settings.

Webinars Designed for Rural Educators

Join NASA's Science Mission Directorate for a monthly series that connects rural educators to resources, networking, and professional development opportunities. These Webinars take place the First Thursday of each month. Visit the site to view recordings to learn about amazing resources for James Webb, Earth Day, NASA eClips and more. [SMD Education :: Topic :: 3-D Thursdays for Rural Educators \(smdepo.org\)](#). The next live Webinar will take place January 5th!

Opportunities to Connect and Contribute

Help to Grow the Network

Like this newsletter? Please share this link with friends and colleagues so that they can sign up/subscribe: <http://eepurl.com/h1xxQ9>

Submit a Spotlight

We would love to spotlight the amazing things that individuals and organizations are doing. Please fill in [this form to submit a quick spotlight](#) that we can share in a future newsletter edition:

What are Your "Go-To" Resources and "Must-See" Events?

We know that we have a just a few of the many amazing resources and events linked in this newsletter. Please help us expand by sharing resources that you think Rural educators would love. Submit your ideas here: <https://forms.gle/SUaFnCGmAuLS5V7A6>

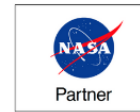
Workshops: Dec. 10th



MONTHLY WORKSHOP SERIES: "Physics in an Astronomy Context"

- Virtual gatherings of 25-50 teachers, one Saturday of each month
- Each session consists of the following:
 - Astrophysics mini-lecture
 - Small group engagement with the core activity
 - Exploration and whole group discussion time
- Sign up for individual sessions and learn more at

shorturl.at/jprZ2



Meet the team:

Ramon E. Lopez, University of Texas-Arlington

Brad Ambrose, Grand Valley State University

Janelle M Bailey, Temple University

Ximena Cid, California State University-Dominguez Hills

Darsa Donelan, Gustavus Adolphus College

Rebecca Vieyra, University of Maryland-College Park

Shannon Willoughby, Montana State University

September 17 1-2:30 PM ET	October 22 1-2:30 PM ET	November 19 1-2:30 PM ET	December 10 1-2:30 PM ET
<p>CME Science</p>	<p>Sunspot Science</p>	<p>Star Spectra Science</p>	<p>Solar Sails Science</p>
<p>Physics: Kinematics, Graphing</p> <p>Astronomy: Coronal Mass Ejections</p>	<p>Physics: Period, Frequency</p> <p>Astronomy: Solar Cycles</p>	<p>Physics: Spectra, Absorption/Transmission</p> <p>Astronomy: Stellar Composition</p>	<p>Physics: Velocity, Propulsion Methods</p> <p>Astronomy: Space Travel</p>

Free

monthly online workshops on Saturdays (12/10/22) at 1 p.m. ET: consists of astrophysics mini-lecture, small group engagement with the core activity, and exploration with the whole group discussion time. Teachers and college faculty may sign up for individual sessions or the series. Register at <http://shorturl.at/jprZ2>

Ways to Get Involved

NASA Science: This link is your go to spot for a summary of missions, content areas, news, and social media: <https://science.nasa.gov/>

Lessons

GLOBE - Access a hands-on lesson that prompt students to do simple investigations to observe plant responses to light.

[A Beginning Look at Photosynthesis \(globe.gov\)](https://www.globe.gov/)

Opportunities (internships, fellowships, etc)

Check out this unique opportunity to participate in a virtual Youth Climate Science and Art Workshop provided by the [NASA Goddard Institute for Space Studies Climate Impacts Group](https://www.nasa.gov/goddard/institute-for-space-studies/) and NASA interns. Students, teachers, interns

study of Earth's climate. The three-day, interactive workshop will cover human and ecosystem impacts related to climate science while engaging participants in science-informed art activities.

Get students involved! Try Citizen Science

GLOBE Observer Mosquito Habitats: Encourage your learners to engage in science by reporting mosquito habitats through the GLOBE Observer App. Find activities and resources here.

<https://observer.globe.gov/do-globe-observer/mosquito-habitats>

Spotlight



Midwest Earth System Science Collaborative Virtual Science Symposium The 4th and 5th graders of North Star Montessori Academy studied how to keep the ice on their natural luge track on Lucy Hill in Negaunee, Michigan longer. The students found the ice will stay longer if the boards of the track are painted white. One student commented “We appropriated doing this research for GLOBE and NASA because it was really fun and we were able to help the luge club.”



Partner

"The material contained in this document is based upon work supported by a National Aeronautics and Space Administration (NASA) grant or cooperative agreement. Any opinions, findings, conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NASA."

The Rural Education Network team serves as volunteer representatives from NASA Partner projects funded through SciAct. We are aiming to amplify and elevate the voice of rural educators while providing access to resources that support educators in engaging youth in planetary science and STEM.

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