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Rural Educator Network Newsletter

Connecting Educators and
Sharing Resources

NASA SciAct



Upcoming Opportunities for Rural Educators

Check out the opportunities to get involved with [NASA's Climate Change Research Initiative](#) and [My NASA Data](#). Applications are due soon, so don't wait!



[Recruiting STEM teachers and graduate students](#) to participate in NASA's Climate Change Research Initiative program at NASA's Goddard Institute for Space Studies and NASA's Goddard Space Flight Center

NASA's Science Mission Directorate's [Climate Change Research Initiative \(CCRI\)](#) program is an interdisciplinary, collaborative, year-long STEM engagement, and experiential learning opportunity for educators and graduate students to work directly with NASA scientists and lead research teams in a NASA research project hosted at either the [NASA Goddard Institute for Space Studies](#), [CUNY City College of Technology](#) in New York City, NY, or the [NASA Goddard Space Flight Center](#) in Greenbelt, MD. The summer component of each CCRI project also includes undergraduate and high school interns.

During the fall and spring terms of CCRI, the research team will consist of NASA Principal Investigators who lead in-service high school STEM educators and graduate student research assistants to become immersed in a NASA science research area related to climate change. Educators participating in this opportunity become associate researchers, CCRI education ambassadors, and STEM education experts who integrate NASA education [resources](#), [platforms](#), [data](#), and [content](#) into their classrooms while improving STEM education within their communities. Participating high school STEM educators contribute to the research project, assist in the development of a research question and assist in guiding the research team to complete all program deliverables. Educators also develop an Applied Research STEM Curriculum portfolio and unit plan that utilizes NASA education [resources](#) aligning NASA Science and STEM curricula to the [Next Generation Science Standards](#). The teachers will then incorporate the STEM curriculum into their classrooms and also provide community STEM engagement events related to their NASA research study. The fall and spring terms will not conflict with the educators' primary schedule, roles, or responsibilities at their school sites.

For graduate student research assistants, this opportunity will not conflict with class schedules during the fall and spring. It is considered to be a part-time position that supports the graduate student's major area of study.

During the summer session, the primary research team will add an undergraduate intern and a high school intern to the CCRI research team. The entire team will work collaboratively on a full-time basis to complete the research project, deliver presentations, and create a scientific poster and a publishable research paper that will be presented at the NASA Goddard

such as the National Science Foundation (NSF), the National Oceanic and Atmospheric Administration (NOAA), the United States Department of Education (USDE), and the United States Department of Defense (DoD) and many others.

CCRI Autumn - Summer

Research opportunities for educators, grad student assistants, and interns during Autumn through Summer include the following projects:

- Deciphering Changing Probabilities of Extreme Climate Events in Climate Models and Measurements. (GISS)
- Climate Change in the Hudson Estuary — Past, Present, and Future (GISS/LDEO)
- Monitoring and Studying Lakes from Space in a Changing Climate (GISS/CUNY)
- Characterizing the Urban Land Surface Temperature via an Innovative, Multi-Platformed Suite of Satellite and Ground-Based Remote Sensing Technologies (GISS/CUNY)
- Land Surface Temperature via Satellite and Remote Sensing Technologies (GSFC)
- SnowEx and Understanding the Role of Snow and Measurements (GSFC)

Detailed descriptions of these projections are [available here](#).

Education Award Stipend:

- Team Member
 - Stipend
- Teachers/Assoc. Researcher
 - \$7,650
- Graduate Student Research Asst.
 - \$11,700

- Fall: 10/16/23-12/22/23: (~5-10 hr. per week for 10 weeks)
- Spring: 01/29/24–04/26/24: (~5-10 hr. per week for 10 weeks)
- Summer: 06/17/24-08/9/24: (~40 hr. per week for 6-8 weeks)

How to Apply:

CCRI applicants must be US citizens. Housing, relocation, and travel expenses are not provided. Teachers, graduate students, and interns whose locality is regional to the NASA Goddard Institute for Space Studies in New York City, NY, or NASA's Goddard Space Flight Center in Greenbelt, MD, are encouraged to apply. Virtual/hybrid candidates are also eligible to apply. Applications are considered upon receipt.

The deadline for educators and graduate students to apply for the CCRI 2022-2023 year-long program is August 25th, 2023

The application deadline for Summer CCRI high school and undergraduate internship opportunities is October 20, 2023, at intern.nasa.gov

Additional Requirements

Upon submission of your application please update [Matthew Pearce](#) to confirm receipt of your application.

Educators:

Teachers applying for CCRI should submit a cover letter, resume, and unofficial transcripts. Teachers are also encouraged but not required to submit any additional portfolio exemplars. The cover letter should also include:

- A description of how participating in CCRI will benefit your students, school, and community.
- Description of IT and programming skills indicating a self-proficiency ranking.
- Rank in order of preference the CCRI projects that the teacher candidate would like to apply to and be considered for.
- The selected candidate will be requested to provide a letter of support from their school administration for participation and collaboration in the program.

Graduate Students:

Graduate Student Research Assistants applying for CCRI should submit a

- A description of how participating in CCRI aligns with your current degree program, career goals, and anticipated graduation date.
- Description of IT and program skills indicating a self-proficiency ranking.
- Rank in order of preference the projects that the graduate student would like to apply to and be considered for.
- The selected candidate will be requested to provide a letter of support from their graduate school advisor for participation and collaboration in the program.

Teachers and graduate students should submit their cover letters and application materials [to our Box](#)

Account: <https://nasagov.app.box.com/f/02131190ee294a38b49ffcd1d6ffab40>

Please visit [NASA Education Program Foster Climate of Discovery](#) for additional program information and direct any questions regarding the Climate Change Research Initiative to:

Matthew Pearce

NASA Office of STEM Engagement

NASA Science Mission Directorate

NASA Goddard Institute for Space Studies (GISS)

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Image credit: NASA/Goddard/Samantha Kilgore

Apply Now for NASA's CCRI

nation to serve as Product Reviewers!

[Application deadline is: August 28, 2023](#)

The selected group will test and review educational products over the course of the 2023-2024 school year. Volunteers will engage students in hands-on experiences with our NASA products and provide feedback on experiences. My NASA Data incorporates testing and feedback to produce high-quality resources for students and teachers.

Why should you consider becoming a part of the Product Review team?

- * Recertification points certificate
- * Opportunities for your students to connect to NASA professional subject matter experts
- * Inform the design of NASA materials through experiences in your classrooms
- * Become more familiar with NASA Earth Science materials and resources

Qualifications:

- * A licensed elementary, middle, or high school teacher in the United States
- * Currently teaching science in a public or private school
- * Minimum five years of teaching experience

What are the ongoing commitments?

- * Attend quarterly evening meetings
- * Implement various resources (minimum of five) in your instruction with students in target grade levels
- * Document your experience with the resource via an online form

Questions or Comments? Please contact Maria Royle at maria.d.royle@nasa.gov<mailto:maria.d.royle@nasa.gov>

To apply follow the link: My NASA Data Product Review Application<<https://docs.google.com/forms/d/e/1FAIpQLSesBpH2AQNy0Nst7UkNKIMQUE5-s66aae9JVCzxZV7k7sl2Kbg/viewform>>

<https://docs.google.com/forms/d/e/1FAIpQLSesBpH2AQNy0Nst7UkNKIMQUE5-s66aae9JVCzxZV7k7sI2Kbg/viewform>

Apply for My NASA Data

You're invited to contribute content to a future newsletter...

Tell us a story, share an activity, photo, lesson plan, or resource.

Share with Us!

Help to Grow the Network: Share this sign-up link with friends: <http://eepurl.com/h1xxQ9>



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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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