

PING 2024: Exploring the Cosmos

Green Bank Observatory, Green Bank, WV

July 22nd – August 3rd, 2024



Are you a current 8th grader interested in science?

Physics Inspiring the Next Generation (PING): Exploring the Cosmos is a collaboration between the National Society of Black Physicists (NSBP), and Green Bank Observatory to expose traditionally underrepresented minorities to science and engineering with a focus on physics and radio astronomy. While the program specifically pursues two former White House initiatives, My Brother's Keeper, which is focused on addressing the education needs of young men of color, and a second effort to promote interest in science among girls, all current 8th graders are welcome to apply.

Students will be on location at Green Bank Observatory, immersed in the research activities of this national research center. While in residence, students will work in small teams supported by an undergraduate student mentor and a staff scientist (astronomer, physicist, engineer, etc.). Teams will conduct research by observing the universe with a 40-foot diameter radio telescope. Supplemental educational activities including bench experiences, building electronic circuits, and coding activities complement the primary research theme. In addition, educational seminars and fun whole group activities like swimming, hiking, and biking take place on the Observatory campus under the supervision of staff.

APPLY TODAY!!



Interested students must submit an online application and supporting materials before **11:59 PM (your local time) Monday, May 27, 2024**

Information and supporting materials can be found at:

<https://greenbankobservatory.org/education/ping/>



With a dish larger than an entire football field, the Green Bank Telescope (GBT) is the largest fully steerable radio telescope in the world! Astronomers use the GBT to explore the "invisible" universe, helping to unlock its many secrets!

- 25 current eighth-graders will be selected to participate this summer.
- TRANSPORTATION will be provided from the Baltimore-DC Metro area, and Charlottesville, VA. However, Parents may provide transportation from other locations.
- The program is fully funded, so there is **NO COST to students!**

QUESTIONS? Contact Sophie Saint Georges, Education Specialist at sdesaint@nrao.edu