



National Aeronautics and
Space Administration

A vibrant space-themed background featuring a large, bright yellow sun in the center. To the left, a large blue and white Earth is visible. To the right, a ringed planet (Saturn) and a gas giant (Jupiter) are shown. Other celestial bodies, including a crescent moon and various smaller planets, are scattered across the dark, star-filled sky. A glowing orange comet streaks across the scene.

SCIENCE MISSION DIRECTORATE

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GLOBE Students from Lexington School for the Deaf Meet NASA SME's
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GLOBE Students at Lexington School for the Deaf Meet NASA Subject Matter Experts

In March 2018, a class of 7 high school students joined the GLOBE U.S. Air Quality Student Research Campaign, led by Dr. Margaret Pippin. Since April 2018, GLOBE intern Rosalba Giarratano has visited the Lexington School for the Deaf regularly, coaching the students during their GLOBE Clouds observations and their GLOBE Aerosol Optical Thickness data collection.

On May 23, 2018, these students, their teachers and the Lexington School for the Deaf's administrators, connected via video conference with GLOBE SME's at NASA Langley: Dr. Margaret Pippin, Jessica Taylor, Tina Harte and Marilé Colon Robles. Interpretation services were provided by Christina York, ASL interpreter at NASA Langley, and an interpreter at the Lexington School for the Deaf.

NIFS intern Amber Verstynen, who has been working with Dr. Pippin for over a year, shared her experience as a GLOBE Aerosol Student Researcher, both in English and in ASL.

A special guest, William Wood, joined the meeting to talk to the students about his 25-year engineering career at NASA Langley. Wood, who is Deaf, showed the students how he uses a visual programming tool (LabVIEW) to develop software. He advised the students to be proud of being Deaf, and to work very hard, like he does.

Watch the students share their experiences with the GLOBE Program:

<https://www.youtube.com/watch?v=8nKYwOX8ndl>.

This project is part of the NASA Earth Science Education Collaborative (NESEC) Science Activation award, and supports NASA's goal of increasing the number of U.S. youth having authentic STEM experiences



Top: Student uses GLOBE Clouds chart while observing the sky.

Bottom: Lexington School for the Deaf Class virtually connect with NASA Langley SME's.

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