


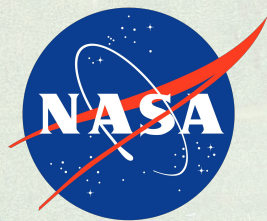
# National American Sign Language (ASL) Day

GLOBE Diversity, Equity, and Inclusion Webinar Series

15 April 2021



Implemented by:  UCAR



# Goddard Institute for Space Studies

Climate Change Research Initiative



**Goddard Institute for Space Studies**  
(GISS)

- Laboratory in the Earth Sciences Division (ESD) of National Aeronautics and Space Administration's Goddard Space Flight Center (GSFC).
- Research in climate change, exoplanets and astrobiology.
- Many scientists use satellite data for their research.
- GLOBE work is very relevant as it can help validate satellite data.



**Climate Change Research Initiative**

(CCRI)

- The Office of STEM Engagement at GISS runs a program called Climate Change Research Initiative (CCRI).
- Vertical Model: Each of 4 research teams is formed by graduate student and teacher, led by GISS scientist (Fall/Spring); then an undergraduate student and a high school student join to complete research (Summer). Teacher also develops Applied Research STEM Curriculum Portfolio.
- An extension of the CCRI program is the CCRI Educator Ambassadors group, formed by outstanding STEM teachers, who meet monthly to learn about climate change research and educational resources such as GLOBE! One of our presenters today – Ms. Jillian Anderson- is part of this fantastic group!



# ASL Day with GLOBE and Lexington School for the Deaf



Jillian Anderson with Andrew Constantinescu,  
Ilhum Haque, & Alexandra Quiroz

# Who are we?

## Jillian Anderson (she/her/hers)

- High school science teacher at Lexington School for the Deaf
  - Lexington Drama Club, Assistant Director
  - Technology Committee, member
- NASA GISS CCRI Educator Ambassador
- GLOBE teacher
  - 2019 SRS in Boston, MA



Jillian Anderson

# Who are we?

Andrew Constantinescu  
(he/him/his)

- Lexington School for the Deaf high school, junior student
- Lexington Drama Club, member
- Student Council, president



Andrew C.

# Who are we?

## Alexandra Quiroz (she/her/hers)

- Lexington School for the Deaf high school, junior student
- Basketball, athlete
- Volleyball, athlete
- Lexington Drama Club, member
- Academic Bowl, participant



Alexandra Q.



# Who are we?

## Ilhum Haque (he/him/his)

- Lexington School for the Deaf high school, junior student
- Track and field, athlete
- Soccer, athlete
- Baseball, athlete
- Lexington Drama Club, member
- Multicultural Club, member



Ilhum H.

# What is ASL?



ASL signs for “ASL”

**American Sign Language**  
a complete language with its own syntax, grammar, and sentence structure used primarily by Deaf and hard of hearing persons and communities in the United States and Canada

# ASL is NOT...

- ... a universal language, used and understood anywhere in the world
- ... an exact translation of English (or any other spoken language)
- ... random gestures, or gestures made up to look exactly like the concept



ASL sign for “interpret”

# What is ASL day?



ASL sign for  
"I love you"

- April 15, 1817 was the day the first school for the Deaf opened in the United States
- Now, we celebrate the rich history and culture of American Sign Language on this national day of observance

# Science in ASL



ASL sign for “science”

Science concepts are not always simple to interpret from English to ASL

- Words may need to be fingerspelled
- Science terms are generally explained conceptually
- Not all communities have one, agreed-upon system or sign for every term in science class!

# Resources

- ☐ ASLCORE
- ☐ ASL Clear
- ☐ ASL Connect
- ☐ Handspeak
- ☐ Lifeprint

# GLOBE in ASL

Examples of signed concepts in ASL:

- ❖ Contrails (short-lived, persistent, persistent spreading)
- ❖ Trees
- ❖ Temperature
- ❖ Climate change

### Short-lived



A contrail that forms and disappears as the plane moves along. Although its length remains about constant it may be very short, or it may span a large fraction of the sky. Generally it is very thin.

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### Persistent



A thin contrail that remains in the sky after the plane has disappeared. These contrails are not much wider than the short-lived contrails and are thinner than 1 finger held at arm's length.

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### Persistent Spreading



A thick contrail that remains in the sky after the plane has disappeared. These are wider than 1 finger held at arm's length. These contrails can grow to resemble natural cirrus clouds.

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# Thank you for joining us!



[Emphatically]  
Thank you!