



**NISE**  
NETWORK

**ONLINE**  
WORKSHOPS

## Practices, Principles, and Programming for Engaging Blind and Low Vision Audiences

Online Workshop Summary of Resources  
March 12, 2024

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### Online Workshop Presenters

- **Noreen Grice**, You Can Do Astronomy, New Britain, CT
- **Timothy Rhue II**, Space Telescope Science Institute in Baltimore, MD
- **Katie Wolfson**, University Corporation for Atmospheric Research (UCAR) Center for Science Education in Boulder, CO

### Recording of the Online Workshop on Vimeo

- <https://vimeo.com/nisenet/blindlowvision>

### Online Workshop Links to Resources Shared During the Workshop

#### NISE Network Resources

- Resources for Blind and Low Vision Audiences: <https://www.nisenet.org/blind-low-vision>
  - Inclusive Audiences Resources: <https://nisenet.org/Audiences>
  - NISE Network's Diversity, Equity, Accessibility, and Inclusion (DEAI) Booklet: <https://nisenet.org/DEAI-tools>
  - NISE Network Explore Science: Earth and Space resources (have included tactile books, tactile models, and more): <https://nisenet.org/earthspacekit>
  - NISE Network Compilation of Solar Eclipse Resources: <https://www.nisenet.org/solareclipse>
    - Sensory Resources for Solar Eclipse Public Engagement: <https://nisenet.org/solareclipse#Tactile>
  - Partner Highlight: Museum of Arts and Sciences in Macon, GA Develops New Tactile Exhibit "Layers of the Atmosphere" with Georgia Academy of the Blind and Mercer University: <https://nisenet.org/blog/post/partner-highlight-museum-arts-and-sciences-macon-ga-develops-new-tactile-exhibit-layers>
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#### Presenter Resources

**Noreen Grice**, You Can Do Astronomy: <https://www.youcandoastronomy.com/>

- Accessible Astronomy Books Authored by Noreen Grice: <https://www.youcandoastronomy.com/btbooks.html>
- Touch the Stars Fifth Edition Authored by Noreen Grice: <https://shop.nbp.org/products/touch-the-stars-fifth-edition>
- Everyone's Universe, Second Edition Authored by Noreen Grice: <https://www.youcandoastronomy.com/everunivnew.html>

- Accessible Exhibit Design Featuring Tactile Images Designed by You Can Do Astronomy LLC: <https://www.youcandoastronomy.com/2007exhibits.html>
  - More info on these NASA projects: <https://www.youcandoastronomy.com/btnasa.html>
  - Accessible STEM Workshops: <https://www.youcandoastronomy.com/btaccess.html>
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**Timothy Rhue II**, Space Telescope Science Institute: <https://www.stsci.edu/home>

- Descriptions for Alt Text and more of Hubble and Webb images:
    - <https://hubblesite.org/>
    - <https://webbtelescope.org/>
  - Tactile Panels: <https://outerspace.stsci.edu/display/STTI>
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**Katie Wolfson**, University Corporation for Atmospheric Research (UCAR) Center for Science Education: <https://scied.ucar.edu/>

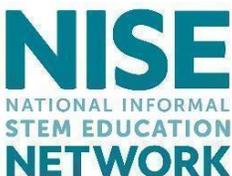
- Sea Ice VizAccess Project Webpage: <https://ncar.github.io/AccessibleVisualizations/pages/seaice.html>
  - Tactile Graphics Kit: <https://www.aph.org/product/tactile-graphics-kit/>
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### General Info & More Eclipse Resources

- Definitions & Demographics:
  - <https://www.cdc.gov/visionhealth/vehss/estimates/vision-loss-prevalence.html>
  - <https://nfb.org/resources/blindness-statistics>
- Getting a Feel for Eclipses Tactile Book Available from NASA SSERVI Braille Books (tactile books included in NISE Network physical kits in 2017, 2020, & 2023): <https://sservi.nasa.gov/books/>
- Eclipse Soundscapes Project Studying How Eclipses Affect Life on Earth <https://eclipsesoundscapes.org>
- GLOBE Observer App - How Does the Solar Eclipse Affect the Atmosphere on Earth?
  - <https://observer.globe.gov/do-globe-observer/eclipse>
  - <https://observer.globe.gov/toolkit/eclipse-toolkit>
- LightSound Device for Blind & Low Vision - uses sonification to convert light intensity into sound: <https://astrolab.fas.harvard.edu/LightSound.html#documentation>
- Sound Map activity: <https://www.sciencebuff.org/scienceactivity/sound-map/>
- NASA's Neurodiversity Network Eclipse Guide - Tips for Expectation Setting for All: <https://n3.sonoma.edu/N3FlyerASTC100523.pdf>

### Staying Connected to the NISE Network

- Upcoming NISE Network online workshops: <https://www.nisenet.org/events>
  - Read the monthly newsletter: <https://www.nisenet.org/newsletter>
  - Follow #nisenet on social media: <https://www.nisenet.org/social>
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