



## Inspiring Ideas for Interpreting Scientific Data with Artwork

**ONLINE**  
WORKSHOPS

Online Workshop Summary of Resources  
September 29, 2026

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### Presenters

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### Resources

- All resources (including a PDF download of the slides and this summary): <https://nisenet.org/art-data2026>
- Recording of the online workshop on Vimeo: <https://vimeo.com/nisenet/art-data2026>

### Links Shared During the Workshop

#### NISE Network Resources

- Interpreting Scientific Data: <https://nisenet.org/interpreting-scientific-data>
- Register for upcoming online workshops: <https://nisenet.org/events>
- Staying connected to the NISE Network
  - Getting started with the NISE Network: <https://nisenet.org/gettingstarted>
  - Browse resources by topic: <https://www.nisenet.org/browse-topic>
  - Read the monthly newsletter: <https://nisenet.org/newsletter>
  - Follow #nisenet on social media: <https://www.nisenet.org/social>
  - Upcoming events & online workshops: <https://www.nisenet.org/events>
  - Recordings of past NISE Network online workshops: <https://www.nisenet.org/online-workshop-recordings>

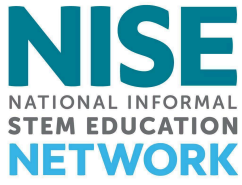
## Presentation Resources

- **Illustrated Graphs: Using Art to Enliven Scientific Data** (curriculum co-designed by Jill Pelto & Science Friday):  
<https://www.sciencefriday.com/educational-resources/illustrated-graphs-using-art-enliven-scientific-data/>
  - Grades: 6-8; Time: 1-2 hrs: STEM Practices: Analyzing & Interpreting Data
  - Data examples, drafting an artist's statement, illustrated graph checklist & rubric
- Global, regional and local data sets for inspiration:
  - National Climate Assessment: <https://toolkit.climate.gov/NCA5>
  - NASA's Vital Signs of the Planet: <https://science.nasa.gov/earth/explore/earth-indicators/carbon-dioxide/>
  - CLEAN Network: <https://cleanet.org/index.html>
- *Warming Sea*, symphonic piece about climate change by GRAMMY award-winning composer, Lucas Richman; commissioned in 2019 by the Maine Science Festival:  
<https://www.thewarmingsea.me/>
- **NASA's Universe of Learning: <https://universe-of-learning.org/home>**
  - **Cosmic Canvas: Exoplanets Program Guide & Resources:**  
<https://universe-of-learning.org/contents/products/cosmic-canvas-exoplanets-program-guide-resources>
  - **Cosmic Canvas: Stellar Evolution Program Guide:**  
<https://universe-of-learning.org/informal-educators/program-facilitator-guides/cosmic-canvas-stellar-evolution-program-guide>
- **Color-a-Pixel Poster Generator Tool: <https://color-a-pixel.streamlit.app/>**
  - Blog Post Explaining Use: <https://strategies.org/products/color-a-pixel-activity>
  - Pre-generated Activities: <https://strategies.org/color-a-pixel-pregenerated>
  - Master Key:  
<https://strategies.org/wp-content/uploads/2024/12/Colors-and-Labels.pdf>
    - Email Andrew Clark with questions or issues: [andrew.d.clark@nasa.gov](mailto:andrew.d.clark@nasa.gov)
    - Please note: Color-a-Pixel is currently served via free Streamlit hosting, during high traffic times it may run slow
  - Additional Color-a-Pixel Resources:
    - Girl Scouts Patch:  
<https://www.nasa.gov/ames-earth-science-girl-scout-patches/color-a-pixel/>
    - NASA Science Blog Post:  
<https://science.nasa.gov/learning-resources/science-activation/nasa-fuels-discovery-from-earth-to-sky-one-crayon-at-a-time/>
    - Earth to Sky Activities:  
<https://docs.google.com/document/d/17N3AqKtm9JGR-pNIreNf5xzycmfP49rTI7nliBW6NxM>
  - Color-a-Pixel Satellite Image Sources:
    - Landsat Galleries: <https://science.nasa.gov/mission/landsat/multimedia/>
    - Earth to Sky Images:  
<https://science.nasa.gov/mission/landsat/landsat-images/>
    - NASA Earth Observatory Image of the Day:

- Search by location using the EO Explorer:  
<https://science.nasa.gov/earth/earth-observatory/explorer/#2/0.0/0.0>
- **NASA Journey Through the Heliosphere: The Sun-Earth System in Color Coloring Book:**  
<https://science.nasa.gov/learning-resources/science-activation/new-nasa-heat-coloring-book-blends-art-science-and-cultural-perspectives/>
  - Auroras Video: <https://www.youtube.com/watch?v=gNpQ38WW0Hs>
  - Heliosphere Video: <https://www.youtube.com/watch?v=9IE2VUZ6wZM>
  - NASA Scientific Visualization Studio  
<https://svs.gsfc.nasa.gov/>

### More Resources & Information (from chat/Q&A)

- Guild of Natural Science Illustrators (resources for students and professionals developing their skills): <https://www.gnsi.org/>
- Sonification Resources
  - STRAUSS (open access python toolkit for representation of data using sound): <https://strauss.readthedocs.io/en/latest/>
  - Astronify (open access python package for converting telescope observations into sound): <https://astronify.readthedocs.io/en/latest/>
  - Teachable Machine (AI tool that can work with sounds) Trappist 1 Sound Game <https://teachablemachine.withgoogle.com/>
  - SYSTEM Sounds Play TRAPPIST-1 (make your own space music using the TRAPPIST-1 planets as your instrument): <https://www.system-sounds.com/trappist-sounds-play>
  - Plant Wave (electrical synapses from plants into a song): <https://plantwave.com/>
  - NASA's Universe of Learning Space Jam Activity: <https://www.universe-of-learning.org/contents/products/nasas-space-jam>
  - Sonifications of the Universe: <https://chandra.cfa.harvard.edu/sound/>
  - Hubble Space Telescope: <https://science.nasa.gov/mission/hubble/multimedia/sonifications/>
  - Heliophysics Audified: Resonances in Plasmas (HARP) Citizen Science Project: <https://listen.space-science.org/>
- NASA's Universe of Learning - Observe Think Wonder Activity: <https://universe-of-learning.org/informal-educators/program-facilitator-guides/cosmic-canvas-exoplanets-program-guide#section-a75a312b-693b-4a71-990b-8e170648aa4b>
- Aurora Ingredients: A Kinesthetic Activity: <https://www.uaf.edu/museum/education/educators/heliophysics-aurora-outre/activities/pdfs/Aurora-Ingredients-Kinesthetic-Activity.pdf>
- Kinesthetic Astronomy: <https://www.space-science.org/eduresources/kinesthetic.php>



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