

Projects and Resources

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The National Informal STEM Education Network is a community of informal educators and scientists dedicated to supporting learning about science, technology, engineering, and math (STEM) across the United States. NISE Network brings people together to engage in STEM, understand our world, and build a better future for everyone.



Early Childhood STEAM Partnerships

Toolkit of professional learning resources and hands-on activities for museums and community-based early childhood programs supporting learning for children ages 0-5.

- Learn more: nisenet.org/early-childhood-partnerships nisenet.org/earlylearners
- Funding: IMLS through Sciencenter



STEM Learning Ecosystems

Professional resources to support lifelong learning using principles and practices of successful STEM Learning Ecosystems.

- Free to download: nisenet.org/stem-learning-ecosystems
- Funding: NASA through Arizona State University



Co-creating with Communities

Co-created activities and professional learning resources to learn about NASA science in ways that are locally relevant and inclusive of everyone.

- Learn more: nisenet.org/cocreatingcommunities
- Funding: NASA through Arizona State University and Museum of Life & Science



Voyage through the Solar System

Hands-on activities, and professional resources focused on NASA's ongoing efforts to send astronauts to the Moon, Mars, and beyond; 350 toolkits distributed in 2023.

- DIY Sun Science & DIY Solar System apps (iOS and Android)
- Free to download: nisenet.org/solarsystem-kit
- Funding: NASA through Sciencenter



Making Waves with Radio

Hands-on activities, Whispers in the Wind app, and training materials to help learners explore the phenomena, uses, and societal impact of radio technologies.

- Free to download: nisenet.org/making-waves-radio-kit
- Funding: NSF through BSCS Science Learning



Changing Brains

An evolving project to support conversations on the personal, community, and societal connections to emerging neuroscience and neurotechnologies.

- Free to download: nisenet.org/neuro
- Funding: Dana Foundation, The Kavli Foundation



Explore Science: Earth & Space

Professional learning and public engagement resources about Earth and space science; 350 toolkits distributed annually 2017-2020; Moon Adventure Game distributed in 2020.

- Free to download: www.nisenet.org/earthspacekit & www.nisenet.org/moongame
- Funding: NASA through Arizona State University and Arizona Science Center



Sustainable Futures

Professional development and public engagement resources about sustainability (2019-2022); hands-on activities and training materials (2016, 2020).

- Free to download: nisenet.org/sustainability
- Funding: Rob and Melani Walton Foundation and IMLS through Arizona State Univ.



Howtosome.org At-Home Activities Collection

- Professional resources, framework, and hands-on STEM activities created by a cohort of NISE Network partner museums to support at-home learners (2021-2022).
- Free to download: howtosome.org/topics/athome
- Funding: IMLS through Children's Creativity Museum



Citizen Science, Civics, and Resilient Communities (CSCRC)

Forums and citizen science projects about resilience planning related to heat waves, sea level rise, extreme precipitation, and drought (2020-2022).

- Free to download: nisenet.org/CSCRC
- Funding: NOAA through Museum of Science



Explore Science: Let's Do Chemistry

Public engagement resources designed to stimulate interest, sense of relevance, and feelings of self-efficacy about chemistry; 250 kits distributed in 2018.

- Free to download: nisenet.org/chemistry-kit National Chemistry nisenet.org/chemistry
- Funding: National Science Foundation through Museum of Science



Sun, Earth, Universe Exhibition

The *Sun, Earth, Universe* exhibition is an engaging and interactive museum exhibition about Earth and space science for family audiences; 52 exhibitions distributed 2018-19.

- Build a Human Habitat on Mars exhibit distributed 2023 nisenet.org/marshabitat
- Learn more: www.nisenet.org/sunearthuniverse [Contact us about waiting lists](#)
- Funding: NASA through Arizona State University & Science Museum of Minnesota



Frankenstein200

Hands-on activities that promote creativity and reflection about responsible innovation, inspired by themes in Mary Shelley's *Frankenstein*; kits distributed in 2017.

- Free to download: nisenet.org/frankensteinkit
- Funding: National Science Foundation through Arizona State University



Building with Biology

Hands-on activities and public forums designed to promote conversations among scientists and public audiences about synthetic biology; 200 kits distributed in 2016.

- Free to download: nisenet.org/building-with-biology-kit
- Funding: National Science Foundation through Museum of Science



NanoDays & Nano Exhibition

Hands-on activities and professional development resources about nanoscale science, engineering, and technology topics; 250 kits distributed annually 2008-2015.

- Free to download: nisenet.org/nanodays
- Nano small footprint exhibition: 93 exhibitions distributed 2011-14. nisenet.org/nano-mini-exhibition [Contact us about waiting lists](#)
- Funding: National Science Foundation through Museum of Science



Connect with the NISE Network

- How to Get Started: nisenet.org/gettingstarted
- Newsletter: nisenet.org/newsletter
- All Events: nisenet.org/events-all
- Browse by Themes: nisenet.org/browse-topic

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