

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.



Making Waves

Hands-on activities, mobile apps, and camp curriculum on the science, technologies, and societal implications behind radio wave communications.

- Free digital materials **coming in 2023**: www.nisenet.org/making-waves-with-radio
- Funding: NSF through BSCS Science Learning



EXPLORE SCIENCE
**Voyage through
 the Solar System**

Voyage through the Solar System

Hands-on activities, DIY apps, and training materials about our solar system and human space exploration; 350 kits to past Explore Science: Earth & Space kit recipients (2023).

- Funding: NASA through Sciencenter
- Free digital materials **coming in 2023**: www.nisenet.org/voyage-solar-system



CHANGING
BRAINS

Changing Brains

An evolving project for public and professional audiences to talk about personal, community, and societal connections of brain research and related technologies.

- Free digital materials **coming in 2024**: www.nisenet.org/brain
- Funding: the Dana Foundation, The Kavli Foundation



STEM **LEARNING
 ECOSYSTEMS**

STEM Learning Ecosystems

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

- Free digital materials **coming in 2024**: www.nisenet.org/stem-learning-ecosystems-project
- Funding: NASA through Arizona State University



EXPLORE SCIENCE
Earth & Space

Explore Science: Earth & Space

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

- **Webb Space Telescope resources**: www.nisenet.org/webb
- **Solar Eclipses October 14, 2023 & April 8, 2024**: www.nisenet.org/solareclipse
- Free digital materials: www.nisenet.org/earthspacekit & www.nisenet.org/moongame
- Funding: NASA through Arizona State University and Arizona Science Center



**SUSTAINABLE
 FUTURES**

Sustainable Futures

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

- Free digital materials: www.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 digital materials: howtosome.org/topics/athome
- Funding: IMLS through Children's Creativity Museum



Citizen Science, Civics, and Resilient Communities

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 digital materials: www.nisenet.org/CSCRC
- Funding: NOAA through Museum of Science



EXPLORE SCIENCE

Let's Do Chemistry

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.

- **National Chemistry Week every October** www.nisenet.org/ncw
- Free digital materials: www.nisenet.org/chemistry-kit
- 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 Mars Habitat coming in 2023** www.nisenet.org/mars-habitat-project
- Learn more: www.nisenet.org/sunearthuniverse **Contact us about waiting lists**
- Funding: NASA through Arizona State University & Science Museum of Minnesota



SUN EARTH
UNIVERSE
SOL TIERRA
UNIVERSO

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 digital materials: www.nisenet.org/frankensteinkit
- Funding: National Science Foundation through Arizona State University



FRANKENSTEIN²⁰⁰

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 digital materials: www.nisenet.org/building-with-biology-kit
- Funding: National Science Foundation through Museum of Science



Building
with Biology

NanoDays

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

- Free digital materials: www.nisenet.org/nanodays
- Funding: National Science Foundation through Museum of Science



NanoDays
The Biggest Event for the Smallest Science!

Nano Exhibition

Nano is an interactive, small footprint exhibition that engages family audiences in nanoscale science, engineering, and technology; 93 exhibitions distributed 2011-14.

- Learn more: www.nisenet.org/nano-mini-exhibition **Contact us about waiting lists**
- Funding: National Science Foundation through Museum of Science



nano

Connect with the NISE Network

- How to Get Started: nisenet.org/gettingstarted
- Newsletter: www.nisenet.org/newsletter
- All Events: www.nisenet.org/events-all
- Browse by Themes: www.nisenet.org/browse-topic
- Contact: www.nisenet.org/contact
- Social Media: www.nisenet.org/social
- Events for Professionals: www.nisenet.org/events
- Professional Learning: www.nisenet.org/pd