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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.



EXPLORE SCIENCE  
**Voyage through  
the Solar System**

## Voyage through the Solar System

Hands-on activities, DIY Sun Science & DIY Solar System apps, and training materials about our solar system and human space exploration; distributing 350 kits (2023).

- Physical kit applications **due May 15, 2023**: [www.nisenet.org/voyage-solar-system](http://www.nisenet.org/voyage-solar-system)
- Free digital materials **coming in 2023**: [www.nisenet.org/voyage-solar-system](http://www.nisenet.org/voyage-solar-system)
- Funding: NASA through Sciencenter



## Making Waves

Hands-on activities, mobile apps, and training materials on the science and societal implications of radio technologies.

- Free digital materials **New in 2023**: [www.nisenet.org/radio](http://www.nisenet.org/radio)
- Funding: NSF through BSCS Science Learning



CHANGING  
**BRAINS**

## Changing Brains

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

- Free digital materials **New in 2023**: [www.nisenet.org/brain](http://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](http://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.

- **Solar Eclipses October 14, 2023 & April 8, 2024**: [www.nisenet.org/solareclipse](http://www.nisenet.org/solareclipse)
- **Webb Space Telescope resources**: [www.nisenet.org/webb](http://www.nisenet.org/webb)
- Free digital materials: [www.nisenet.org/earthspacekit](http://www.nisenet.org/earthspacekit) & [www.nisenet.org/moongame](http://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](http://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](http://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 digital materials: [www.nisenet.org/CSCRC](http://www.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.

- **National Chemistry Week every October** [www.nisenet.org/ncw](http://www.nisenet.org/ncw)
- Free digital materials: [www.nisenet.org/chemistry-kit](http://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 Human Habitat on Mars (in 2023)** [www.nisenet.org/mars-habitat-project](http://www.nisenet.org/mars-habitat-project)
- Learn more: [www.nisenet.org/sunearthuniverse](http://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 digital materials: [www.nisenet.org/frankensteinkit](http://www.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 digital materials: [www.nisenet.org/building-with-biology-kit](http://www.nisenet.org/building-with-biology-kit)
- Funding: National Science Foundation through Museum of Science



## 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](http://www.nisenet.org/nanodays)
- Funding: National Science Foundation through Museum of 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](http://www.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](http://nisenet.org/gettingstarted)
- Newsletter: [www.nisenet.org/newsletter](http://www.nisenet.org/newsletter)
- All Events: [www.nisenet.org/events-all](http://www.nisenet.org/events-all)
- Browse by Themes: [www.nisenet.org/browse-topic](http://www.nisenet.org/browse-topic)
- Contact: [www.nisenet.org/contact](http://www.nisenet.org/contact)
- Social Media: [www.nisenet.org/social](http://www.nisenet.org/social)
- Events for Professionals: [www.nisenet.org/events](http://www.nisenet.org/events)
- Professional Learning: [www.nisenet.org/pd](http://www.nisenet.org/pd)