

The National Informal STEM Education Network (NISE Net) is a community of informal educators and scientists dedicated to supporting learning about science, technology, engineering, and math (STEM) across the United States.



Explore Science: Earth & Space

350 free physical toolkits with hands-on activities will be distributed in 2019 & 2020
250 free physical toolkits with hands-on activities were distributed in 2017 & 2018
Each toolkit contains engaging, hands-on Earth and space science experiences with connections to science, technology, and society.

- Timeline: 2019 toolkit applications **due November 1, 2018**
- Eligibility: museums and public planetariums in the United States; free digital materials available online to everyone
- More information: www.nisenet.org/earthspacekit
- Funding: NASA through Arizona State University & Science Museum of Minnesota



Sun, Earth, Universe exhibition

52 free exhibitions

The *Sun, Earth, Universe* exhibition is an engaging and interactive museum exhibition about Earth and space science for family audiences.

- Timeline: exhibitions will be distributed in 2018-2019
- More information: www.nisenet.org/sunearthuniverse
- Awarded locations: www.nisenet.org/sunearthuniverse-locations
- Funding: NASA through Arizona State University & Science Museum of Minnesota



Explore Science: Let's Do Chemistry

250 free kits of educational activities designed to stimulate interest, sense of relevance, and feelings of self-efficacy about chemistry among public audiences.

- National Chemistry Week is **October 21-27 2018**
- Free digital materials available online to everyone
- Digital download: www.nisenet.org/chemistry-kit
- Funding: National Science Foundation through Museum of Science



Frankenstein200

Hands-on activities that promote creativity and reflection about responsible innovation, inspired by themes in Mary Shelley's novel *Frankenstein*. Celebrating the 200th anniversary of the publication of Mary Shelley's novel.

- Free digital materials available online to everyone
- Digital download: www.nisenet.org/frankensteinkit
- Online alternate reality game that reimagines the story: frankenstein200.org
- Funding: National Science Foundation through Arizona State University



Building with Biology

200 kits with hands-on activities and public forum programs designed to promote conversations among scientists and public audiences about synthetic biology, produced 2016. Human genome editing forum produced in 2018.

- Free digital materials available online to everyone
- Digital download: www.nisenet.org/building-with-biology-kit
- Website: www.buildingwithbiology.org
- Funding: National Science Foundation through Museum of Science



Sustainability in Science Museums

Hands-on activities about sustainability science, produced in 2016

- Free digital materials available online to everyone
- Digital download: www.nisenet.org/sustainable-kit
- Website: sustainabilitysolutions.asu.edu/sciencemuseums/
- Funding: Walton Sustainability Solutions Initiatives at Arizona State University



Nanoscale Informal Science Education Network

Professional development publications include:

- *Games and the NISE Network: A Gameful Approach to STEM Learning Experiences*
- *Leading and Managing the NISE Network: Practical Solutions for Creating a Flexible National Network*
- *Museum & Community Partnerships—Collaboration Guide*
- *NanoDays Collection: A complete compendium of NanoDays resources*
- *DIY Nano: a book of do-it-yourself science activities that investigate nano*
- *NISE Network Program Development: A guide to creating effective learning experiences for public audiences*

- Free digital materials available online to everyone
- Website: www.nisenet.org/About_Professional_Development



NanoDays

Kits featuring hands-on activities and professional development resources about nanoscale science, engineering, and technology topics, produced 2008-2015

- We encourage partners to continue holding events during upcoming NanoDays dates: March 30-April 7, 2019; March 28-April 5, 2020; March 27-April 4, 2021,
- Free digital materials available online to everyone
- Digital download: www.nisenet.org/nanodays
- Funding: National Science Foundation through Museum of Science



Museum & Community Partnerships

Explore Science: Zoom into Nano

Kits are designed to facilitate collaborations with local community partners in an effort to engage underserved audiences about nanoscale science, produced 2016

- Free digital materials available online to everyone
- Digital download: www.nisenet.org/explorescience-nano
- Funding: National Science Foundation through Museum of Science



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