

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: 2020 toolkit applications **due November 1, 2019**. The 2020 toolkit will ship in two parts: Part A & Part B. Part B will include an immersive Moon game.
- 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

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

- Timeline: 52 exhibitions 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 kits of hands-on activities designed to stimulate interest, sense of relevance, and feelings of self-efficacy about chemistry; produced in 2018

- National Chemistry Week is **October 20-26 2019**, 2019 is the International Year of the Periodic Table
- 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; produced in 2017

- 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 in 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
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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
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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
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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
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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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Keep in Touch

- Newsletter: nisenet.org/newsletter
 - Social Networking: nisenet.org/social
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