

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 2020  
Free physical toolkits already distributed in 2017 (250), 2018 (250), & 2019 (350)  
Each toolkit contains engaging, hands-on Earth and space science experiences with connections to science, technology, and society

- Timeline: [due 2020 toolkit applications due November 1, 2019](#). The 2020 toolkit will ship in two parts: Part A & Part B; Part B will include a collaborative Moon game
- Eligibility: museums and public planetariums in the United States
- Free digital materials available online to everyone
- More information: [www.nisenet.org/earthspacekit](http://www.nisenet.org/earthspacekit)
- Funding: NASA through Arizona State University & Science Museum of Minnesota & Arizona Science Center



## 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](http://www.nisenet.org/sunearthuniverse)
- Awarded locations: [www.nisenet.org/sunearthuniverse-locations](http://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 and distributed in 2018

- **National Chemistry Week is October 20-26 2019** and 2019 is the International Year of the Periodic Table (IYPT): [nisenet.org/national-chemistry-week](http://nisenet.org/national-chemistry-week)
- Free digital materials available online to everyone
- Digital download: [www.nisenet.org/chemistry-kit](http://www.nisenet.org/chemistry-kit)
- Funding: National Science Foundation through Museum of Science



## Sustainable Futures

Professional development and public engagement resources about sustainability  
Hands-on activities and training materials available now; new programs coming soon

- **April 22, 2020 is the 50th anniversary of Earth Day!**
- Free digital materials available online to everyone
- Website: [www.nisenet.org/sustainability](http://www.nisenet.org/sustainability)
- Funding: Rob and Melani Walton Foundation through Arizona State University



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## Citizen Science, Civics, and Resilient Communities (CSCRC)

Through forums and citizen science projects, museums engage the public in active learning and resilience planning around heat waves, sea level rise, extreme precipitation, and drought

- Timeline: Applications due in Fall 2020, more information coming Summer 2020
  - Eligibility: museums in the United States; 20 museums will be selected
  - Funding: NOAA through Museum of Science
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## 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](http://www.nisenet.org/frankensteinkit)
  - Online alternate reality game that reimagines the story: [frankenstein200.org](http://frankenstein200.org)
  - Funding: National Science Foundation through Arizona State University
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## 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 and distributed 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](http://www.nisenet.org/building-with-biology-kit)
  - Website: [www.buildingwithbiology.org](http://www.buildingwithbiology.org)
  - Funding: National Science Foundation through Museum of Science
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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 28-April 5, 2020; March 27-April 4, 2021
  - Free digital materials available online to everyone
  - Digital download: [www.nisenet.org/nanodays](http://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](http://www.nisenet.org/explorescience-nano)
  - Funding: National Science Foundation through Museum of Science
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## Keep in Touch

- Newsletter: [nisenet.org/newsletter](http://nisenet.org/newsletter)
  - Social Networking: [nisenet.org/social](http://nisenet.org/social)
  - Professional Development resources: [nisenet.org/pd](http://nisenet.org/pd)
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