



Explore Science: Earth & Space

250 free toolkits with hands-on activities in 2017, 2018, 2019 and 2020

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

50 free exhibitions in 2018 and 2019

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

- Timeline: exhibition applications **due May 1, 2018**
- Eligibility: museums and public planetariums in the United States
- More information: www.nisenet.org/sunearthuniverse
- 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.

- Timeline: applications **due June 1, 2018**
- Eligibility: museums and chemistry public outreach programs (including American Chemical Society Local Sections, American Chemical Society Student Chapters, and college/university outreach programs in the United States); free digital materials will be available online to everyone
- More Information: www.nisenet.org/chemistry-apply
- 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*; plus an online alternate reality game that reimagines the Frankenstein story

- Timeline: digital kits and online game available January 2018
- Free digital materials available online to everyone
- More Information: www.nisenet.org/frankensteinkit and 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. New human genome editing forum available digitally fall 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

Recent 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 31-April 8, 2018; March 30-April 7, 2019; March 28-April 5, 2020
 - 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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