

The Nanoscale Informal Science Education Network

Become a NISE Net Museum Partner

Why Nano in Museums?

Nano will affect our economy, environment, and our personal lives. Some scientists think that future nanotechnologies and materials could transform our lives as much as cars or the personal computer! But the costs, risks, and benefits can be difficult to understand, both for experts and for the general public.



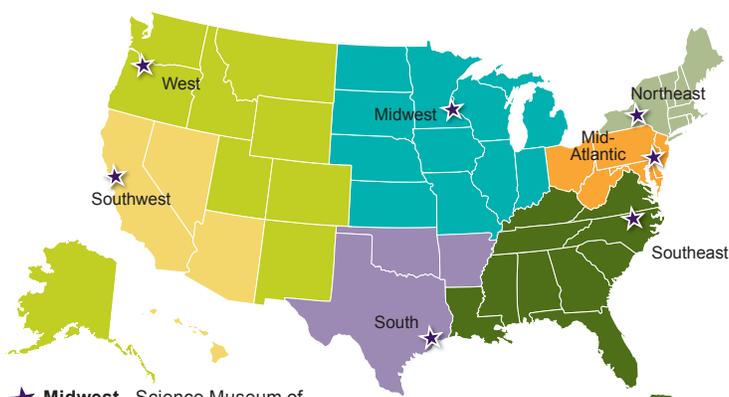
The NISE Network helps museums, research institutions, and the public learn from each other about this emerging field so that together we can make informed decisions.

How to Join the NISE Network

Strong regional and national partnerships are the foundation of the NISE Network. Museums, informal science organizations, research institutions, and others who are interested in communicating with the public about nanoscale science are welcomed and encouraged to join.

The NISE Network community in the United States is organized geographically around seven regional hubs and an international group. Hub leaders facilitate participation in network activities, help connect museums and scientists, host regional meetings, and provide additional support to partners in their region.

NISE Network regional hubs



- ★ **Midwest** - Science Museum of Minnesota, *St. Paul, MN*
- ★ **South** - Children's Museum of Houston, *Houston, TX*
- ★ **Mid-Atlantic** - Franklin Institute, *Philadelphia, PA*
- ★ **Northeast** - Sciencenter, *Ithaca, NY*
- ★ **Southeast** - Museum of Life and Science, *Durham, NC*
- ★ **West** - Oregon Museum of Science and Industry, *Portland, OR*
- ★ **Southwest** - Lawrence Hall of Science, *Berkeley, CA*

- Contact your regional hub: www.nisenet.org/community
- Join the network and sign up for our newsletter: www.nisenet.org



Macro

A child is about 1 meter tall
1 meter = 1,000,000,000 nm (1 billion nanometers)



Micro

A red blood cell is about 10 micrometers wide
10 micrometers = 10,000nm (10 thousand nanometers)



Nano

DNA is about 2 nanometers wide

What is Nano?

At the nanoscale—the scale of atoms and molecules—many common materials exhibit unusual properties. Our ability to manipulate matter at this size enables innovations that weren't possible before. Nanotechnology is revolutionizing research and development in medicine, computing, new materials, food, energy, and other areas.

NISE Network Resources and Events



NISE Net professional meeting



Thin film solar activity at NanoDays



Nano mini-exhibition

Catalog of Educational Products

The NISE Network has built a catalog of educational products to raise public awareness, understanding, and engagement with nanoscale science, engineering, and technology. The catalog includes a wide range of programs, activities, forums, exhibits, and media to meet different educational needs. We also have a variety of training materials, tools, and guides to support educators and scientists in their efforts to engage the public.

→ Browse the catalog: www.nisenet.org/catalog

Professional Development for Educators

Training materials, guides, and templates are available in the Tools & Guides section of our online catalog. The Network also hosts in-person trainings, pre-conference workshops, online workshops, and more.

→ Contact your regional hub: www.nisenet.org/community



NanoDays is a weeklong, annual festival that engages people of all ages in nanoscale science, technology, and

engineering. NanoDays events are organized locally by NISE Network partners and take place at over 300 science museums and universities across the country, from Puerto Rico to Alaska. NanoDays events can include hands-on activities, demonstrations, lectures, juggling shows, and more!

→ Learn more about NanoDays: www.nisenet.org/nanodays

What is the NISE Network?

The Nanoscale Informal Science Education Network (NISE Net) is a national community of researchers and informal science educators dedicated to fostering public awareness, engagement, and understanding of nanoscale science, engineering, and technology (Nano).

The NISE Network community in the United States is led by 14 organizations, and includes hundreds of museums and universities nationwide. NISE Net was launched in 2005 with funding from the National Science Foundation, and received a five-year renewal in 2010.