Planning a Museum & Community Partnership Project
Brown-Bag Workshop | Wednesday, September 30, 2015

1. Welcome (Kayla Berry)
2. Introduction (Rae Ostman)
3. Application Process (Christina Akers)
4. Collaboration Tools (Catherine McCarthy)
5. Collaboration Story (Keith Ostfeld and Jason Hammond)
6. Questions & Discussion (Kayla Berry)
Introduction
• **Reach underserved audiences** in your community that you aren’t currently engaging in learning about nanoscale science, engineering, and technology (“nano”)
  • Materials are designed for youth ages 8-10 and families

• **Create new or expanded collaborations** with a local community partner
  • A local community group, afterschool program, library, or summer camp
  • A local chapter of a national youth-serving group such as 4-H, Boys & Girls Clubs, Boy Scouts, Girls Inc., Girl Scouts, National Girls Collaborative Project, Parent Teacher Association (PTA), Y (YMCA), and YWCA
Poll

Do you already have a partnership with another community organization that extends your reach?
Physical & digital kits

**Educational products**
- Hands-on activities
- Classroom set of materials
- Event supplies

**Staff training materials**
- Educator framework
- Activity guides and training videos
- Tips sheets and background materials
- Nano 101 training slides and key concepts guide
- Resources for engaging diverse audiences
- Resources for hands-on STEM

**Planning and implementation guides**
- Collaboration guide
- Event planning guide
Timeline

November 13, 2015:
Applications due

February 2016:
Kits delivered to successful applicants

Spring - Summer 2016:
Implement program activities

Early 2016 and Fall 2016:
Evaluation

October 15, 2016:
Reporting
Reporting and evaluation

Overall focus

• Effectiveness of this approach to reach new audiences and form new collaborations

Specific questions

• Use of materials
• Participation of professionals
• Value of partnerships
• Professional learning
• Reach and demographics for public audiences
• Perception of public learning and engagement
Outcomes

1. **Broader reach to multiple and diverse audiences** with the Network’s high-quality STEM learning opportunities

2. **Mutually-beneficial relationships** among existing NISE Network partners (including museums and universities) with community organizations

3. **New knowledge and models for the field** related to best practices for reaching new audiences and successful collaborations between museums and community organizations
Application Process
Online Application

Word Doc and PDF versions of application are available for reference: http://www.nisenet.org/museum-community-partnerships

100 kits will be awarded

NISE Net partners must identify their community partner in their application

NISE Net partners apply online by November 13, 2015
Eligible organizations

This project is designed for existing NISE Network informal science education institutions within the United States:

• Children’s museums, science museums, science centers, museums
• University research center outreach programs

The following kinds of organizations are not eligible:

• Organizations who are not active existing NISE Network partners
• K-12 schools
• Organizations outside the United States
Reach underserved audiences that you aren’t currently reaching with nano

Examples of underserved audiences include:

• Racial and ethnic minorities, communities of color
• Girls
• Low income and low socioeconomic status
• At-risk youth
• Non-native English speakers
• Disabled and differently abled
• Geographically underserved (e.g. rural or inner city)
• Other underserved audiences
Collaboration tips

Creating Successful Collaborations: Museum and Community Partnerships

Profiles of national youth serving organizations

Museum & Community Partnerships

Profiles of national youth-serving organizations

Collaborating with youth-serving organizations on STEM activities locally

The Museum & Community Partnerships project is designed to help NISE Network partners reach underserved audiences in their communities that you aren’t currently reaching with nanoscale science, engineering, and technology ("nano") through new or expanded museum and community-based partnerships. To be eligible, existing NISE Network partners must collaborate with a community partner, such as a local community group, afterschool program, library, or a local chapter of a national youth-serving group.

Collaborating with existing youth-serving organizations on STEM activities is an effective way for museums and university outreach programs to reach audiences you may have regularly reached, particularly underserved audiences.

The following profiles of national youth-serving organizations have been compiled to assist museums and university outreach programs in developing partnerships with a community organization or a local chapter of a national youth-serving organization. These profiles are intended to provide a brief introduction to each organization.

1. 4-H
2. After School Alliance
3. Boys & Girls Clubs of America
4. Boy Scouts of America
5. Girls Inc.
6. Girl Scouts
7. Libraries
8. National Girls Collaborative Project
9. Parent Teacher Association (PTA)
10. Y WMC

4-H

ABOUT
4-H is a global network of youth organizations whose mission is engaging youth to reach their full potential while advancing the field of youth development. 4-H is the youth development program of our nation’s Cooperative Extension System & USDA. The 4-H name represents both personal development areas (head, heart, hands, and health) that members work on through fun and engaging programs.

AUDIENCE AND GEOGRAPHIC REACH
4-H is the nation’s largest youth development organization, empowering six million young people throughout all 50 states of the United States. Through America’s 1,200 land-grant universities and its Cooperative Extension System, 4-H reaches every corner of our nation—from urban neighborhoods to suburban schoolyards to rural farming communities. 4-H has a network of more than 61,000 volunteers, 6,000 professionals, and more than 3 million alumni. In most cities, kids can join 4-H if they’re between the ages of 9 and 18; some states offer programs for younger children.

WEBSITE
- http://www.4-h.org

FINDING & LOCAL PARTNERS
There are 4-H programs in every county in the United States:
- http://www.4-h.org/get-involved/4-h-clubs-4-h-camps/programs

STEM FOCUS AND RESOURCES
4-H has a long history of "hands-on" learning and focuses on many topics including robotics, alternative energy, engineering, environmental science, ag sciences, and veterinary sciences:
- Science programs: http://www.4-h.org/4-h-activity-development-programs/science-science-programs/
- Curriculum: http://www.4-h.org/4-h-activity-development-program/4-h-science-curriculum-
- Science project resources: http://www.4-h.org/4-h-activity-development-program/4-h-science-checklists
- Science project: http://www.4-h.org/4-h-activity-development-program/4-h-science-checklist

TIPS FOR COLLABORATION
- Organize: Collaborate with a local 4-H club leader to plan activities within the regular 4-H club
- Special event: Collaborate with a local 4-H club for a special event at the museum or another location

http://www.nisenet.org/museum-community-partnerships
Text for contacting potential partners

Sample text for an invitation to collaborate email

Subject: Invitation to collaborate on a STEM project with <organization’s name>

Dear <Contact at local youth-serving organization>,

I recently learned about an opportunity to engage under-served children in our community with STEM, and I wonder if it might be a mutually beneficial chance for our organizations to collaborate on this project.

The <My organization> has the opportunity to apply for a free “Explore Science” kit of materials designed to help museums collaborate with a local youth-serving organization to reach under-served children in our community and engage them in nanotechnology.

<My organization> has been collaborating with a national network of museums and scientists for the past several years called the Nanoscale Informal Science Education (NISE) Network, which is dedicated to fostering public awareness, engagement, and understanding of nanoscale science, engineering, and technology. We have received other kits from the Network in previous years, and they are filled with many fun, hands-on activities that work well with a wide range of audiences including younger children, which will be incorporated into the Explore Science kit. The activities in the Explore Science kit are designed for children in grades 3-6 in afterschool programs, family science nights, and other out-of-school settings.

Partnering on this project would be a great way for children in our community on this exciting new field of science and technology. I am planning to submit an application, and I would like to invite you and your colleagues to collaborate with us on programming that uses the Explore Science kit focused on nanoscience. One requirement for this application is that we are required to identify our community partner and briefly describe our proposed plans for collaboration.

<Insert brief, personalized sentence about what the museum can provide to the community organization—how the two organizations’ missions may align>

To help you decide if you would like to discuss this opportunity further, I’m including some background information about the project below.

Would you please let me know by <date> if you are interested in learning more about this potential collaborative project? If you are, I’d like to set up a time for us to have a short conversation either in person or on the phone to discuss possible ways we can collaborate. I look forward to hearing from you.

http://www.nisenet.org/museum-community-partnerships
More collaboration materials will come in the kit

- Timeline and checklist
- Sample MOUs
Application materials

http://www.nisenet.org/museum-community-partnerships
Collaboration Story

Children’s Museum of Houston and YMCA
810,000 annual visitors
+344,000 through outreach programming
43% of visitors receive free or reduced admissions
Serve children age 0-12 years and their parents and caregivers
To transform communities through innovative, child-centered learning

Visitor Demographics:

VISITORS
- Latino/Hispanic (47%)
- African-American (23%)
- Anglo (21%)
- Asian-American (8%)
- Other (1%)
Every family living inside of Beltway 8 is within two miles of a school or community center that hosts the Museum’s outreach programming and/or distributes the Museum’s Open Doors passes.
A’STEAM Program
After-school Science, Technology, Engineering, Arts (Design), and Mathematics
During one of our focus groups with students, a little girl said "I love the science we do here; we actually get to DO science. At school the only science we ever do is on paper..."

Bethune Elementary (Aldine ISD)
Questions & Discussion
Thank You

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