



Welcome to the National Girls Collaborative Project National Webinar



Teen Science Cafés: Keeping the STEAM Pipeline Open and Full
March 16, 2015

NATIONAL GIRLS COLLABORATIVE PROJECT

NGCP Vision




The National Girls Collaborative Project (NGCP) **brings together organizations** that are committed to informing and encouraging girls to pursue careers in science, technology, engineering, and mathematics (STEM).

NATIONAL GIRLS COLLABORATIVE PROJECT

NGCP Goals

1. **Maximize access** to shared resources within projects and organizations interested in engaging girls in STEM.
2. **Strengthen the capacity** of programs by sharing exemplary practice research and program models, outcomes and products.
3. **Use the leverage of a network** and the collaboration of individual girl-serving STEM programs to achieve gender equity in STEM.

NATIONAL GIRLS COLLABORATIVE PROJECT

National Network of Collaborative Teams







NATIONAL GIRLS COLLABORATIVE PROJECT

Teen Science Cafés


Keeping the STEAM Pipeline Open and Full

March 16, 2016




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Award #1223830


Presenter



Michelle Hall
President, Science Education Solutions
Co-Director, Teen Science Café Network




What do you see as the biggest challenge in your organization to attracting and retaining teens in your STEM/STEAM program?



Agenda

- What is a Teen Science Café?
- Why do they matter?
- How can you get involved?



What is a Teen Science Café?

A **free, social** way for teens to **explore** the big advances in science and technology **affecting their lives**. Teens and local scientists, engineers, artists, and inventors engage in **lively conversations** and **activities** to explore a topic deeply.

What is a Teen Science Café?

Welcoming, social, and informal



What is a Teen Science Café?

Short and stimulating stories



What is a Teen Science Café?

Conversation exploring: What if? Who cares?
What is the impact?



What is a Teen Science Café?

Experiential learning



HOW DO WE ACHIEVE THIS?

Core Design Principles

1. Highly engaging and interactive events
2. Carefully vet and prepare scientists
3. Teen leadership and ownership
4. Attract a diverse group of teens
5. A committed adult leader
6. Strong community partnerships



Core Design Principle 1

Cafés are highly engaging and interactive



Flocking behavior of birds and teenagers

Core Design Principle 2

Teens lead and gain a sense of ownership of *their* Café program.



Core Design Principle 3

Presenters are vetted and prepared



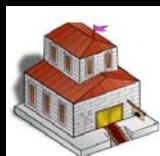
Core Design Principle 4

Attract a **diverse** group of teens with **varied motivations**, exposure, and **opportunities** for learning about science



Core Design Principle 5

Strong community relationships are essential to sustainability



Los Alamos
National
Laboratory




Core Design Principle 6

Each site has a local adult to mentor the teens toward success



Why Teen Cafés Matter?


- Remove barriers to exploring STEM
- Increase comfort discussing science
- Consider multiple perspectives before making a decision



Solving a Mystery Building a Robotic Future

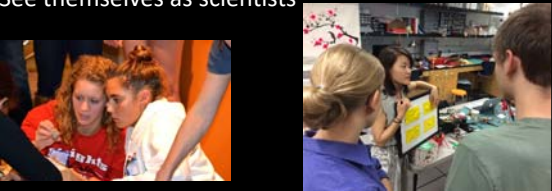
Why Teen Cafés Matter?

- See science everywhere
- New perspectives on the importance of STEM
- Develop appetite for free choice lifelong learning





Why Teen Cafés Matter?

- Meet real STEM experts leading interesting lives
- Promotes STEM career interests
- Brings meaning to school science
- See themselves as scientists



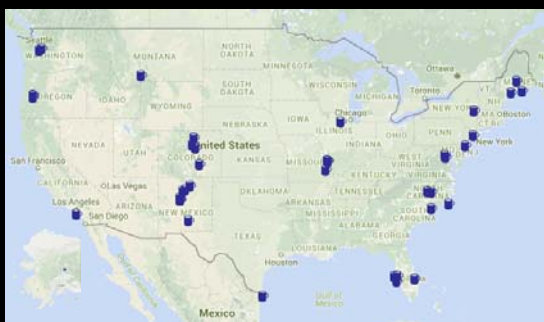
How Can You Get Involved?

- Join The Teen Science Café Network
- Community of Practice
- Together we...
- Reflect, Share, Evaluate & Improve



Award #1223830

Our Reach Today



Benefits of Membership

- Support and training from peers
- Access to shared resources
- Small grants for start up
- New collaborations



Join Us @ Teensciencecafe.org

First Steps to Planning a Teen Café
Getting Started Toolkit
Small Grant Program
Annual Member Workshop



info@teensciencecafe.org

TEEN SCIENCE
CAFÉ NETWORK

Teen Science Café Network

scientists & teens exploring the world

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Closing

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