



InventionX Master Trainer Collaborative RFA

Program Overview

The Invention Experience, or InventionX, is an innovative problem-solving program challenging middle and high school students to invent solutions to real-world challenges. InventionX provides educators a 5-step framework upon which they can engage their students in any STEM-themed subject matter. This framework is built upon that used by universities and startups to launch new products and technologies. We bring this successful model to K-12 STEM education!

Invention education highlights real-world applications of knowledge, increases student motivation, strengthens critical thinking skills, and creates long-term engagement in STEM careers. The 5-step framework is a structure upon which educators can create hands-on, self-driven learning opportunities for their students.

Master Training & the National Girls Collaborative Project

This summer, InventionX is being propelled into a new phase of national expansion thanks to a partnership with the National Girls Collaborative Project. Eight NGCP Collaboratives will be selected to participate in the planning and development of the first national InventionX challenge. Each selected Collaborative will identify a Master Trainer to lead educators in their Collaborative into the InventionX Challenge. Master Trainers will be brought to an InventionX Trainer Workshop this summer where they will be taught the details of how to engage their educators in the InventionX Challenge.

Each Master Trainer will then take their knowledge to educators throughout their Collaborative to support participation in the InventionX Challenge.

Planning Process Timeline

1. RFA Submissions Due – May 19
2. Selection of Planning Collaboratives - June 1
3. InventionX Introduction Webinar – June 16, 11:00AM – 12:00PM PST
4. InventionX Materials Feedback from Collaboratives – July 1
5. Master Trainer Workshop – July 16th-17th, Seattle, WA
6. Sponsorship Development for Implementation Phase - July & August
7. Preliminary Lemelson Foundation Implementation Grant – July 13
8. Final Submission of Lemelson Foundation Implementation Grant - September



Benefits of Being an Official InventionX Collaborative

- Travel/Lodging for the Master Trainer Workshop to be hosted July 2015.
- Development of an Educator Training network in your Collaborative
- Opportunity to provide input to support future InventionX grant applications
- Opportunity to be included in future InventionX grant applications

Future Opportunities

Your participation in this InventionX planning process will help open up new opportunities for the implementation phase of the program such as:

- A \$5K annual implementation grant to conduct InventionX training in your Collaboratives (pending launch of the implementation grant of InventionX).
- Operational Support throughout the InventionX Challenge such as an online educator forum, competition submission support, and help finding sponsors for awards (pending launch of the implementation grant of InventionX).
- Prizes and recognition for educators and students participating in the InventionX Challenge (pending launch of the implementation grant of InventionX).

Requirements of being an InventionX Collaborative

We are currently undergoing a planning phase for a scaled-up InventionX system organized through the National Girls Collaborative network. Your participation in this planning process will help setup the national structure to help educators across the network take advantage of this learning framework and student Challenge. To participate, we ask the following items of your Collaborative:

- Identify one Master Trainer for your Collaborative who will be able to facilitate Educator Training Workshops in the 2015-2016 school year.
- Send one Collaborative Master Trainer to the Master Trainer Workshop, this coming July 16th and 17th in Seattle. The workshop will start with an evening reception on the 16th and continue with a full day program on the 17th.
- Provide feedback to the InventionX and NGCP teams on training materials, sustainable support structure, and other InventionX items. Feedback will be required by July 1st, to allow opportunity for incorporation into the Master Trainer Workshop.

How to Apply

Collaboratives interested in applying to be included in the first round of eight InventionX Collaboratives should submit the following to Nimisha Ghosh Roy (ngghoshroy@ngcproject.org) no later than May 19th:

1. A letter of intent identifying:
 - a. Name/Organization of the Master Trainer for your Collaborative.
 - b. Names/Organizations of Additional Participating Collaborative Team Members (optional): One goal of this project is to not only provide



feedback on the development of the Master Training Workshop but also provide feedback on building a sustainable support structure for InventionX in your region. If you would like to involve other team members in providing this feedback, please list them in your letter.

2. A Statement on existing Infrastructure for potential InventionX Educator Training Workshops. Identify: How many Educator Workshops could you conduct in the fall? At what locations could Educator Workshops potentially be held? How many educators could be reached? What other partnerships or local organizations could you leverage to support InventionX work in your region?
3. Master Trainer CV or Resume
4. Letter of Support from your Supervisor/Organization