

PARTNERS IN INVENTION EDUCATION



MEMBERSHIP OVERVIEW

Partners in Invention Education is a new professional learning community for collaborative efforts between K-12 administrators, educators, and those who specialize in working with young people to invent solutions to real-world problems. Lemelson-MIT Program's case studies and research publications offer evidence that our approach to invention education helps students—especially those under-represented in STEM—develop confidence in their ability to engage in STEM.

This invention work includes introducing young people to a continuum of technologies, and an exploration of ways to bring inventions to intended audiences through entrepreneurship. Partners can focus on one or all grade bands through their participation in the following three working groups:

1. Playful invention (grades PK-3) and inventing through stories and toy design (grades 3-5)
2. JV InvenTeams with supplemental technology options (grades 6-10)
3. High school capstone courses (grades 11-12) that build on the success of InvenTeams

Partners will have opportunities to engage at face-to-face video conferencing gatherings throughout the year. The ongoing collaborative efforts will be supported by the Lemelson-MIT Program. Partners in Invention Education will gain access to existing resources, as well as to new resources co-created by the three working groups in partnership with the Lemelson-MIT Program.

MEMBERSHIP BENEFITS

The annual basic membership includes:

- A special one day workshop for education administrators and school board members during EurekaFest at MIT in Cambridge, MA on June 19, 2019. The workshop will introduce the invention process, thinking skills, research findings regarding the impact of invention education, and best practices for leading the take-up of invention education within education contexts and the broader community. Participants will observe presentations by 2018-19 high school InvenTeam students and take part in a professional development session for teachers preparing to lead teams in the following school year.
- Three free registrations* for a three-day in-person professional development session in Tustin, CA (July 22-24, 2019) or at MIT (July 29-31, 2019) for educators. For more information on our professional development sessions, visit: lemelson.mit.edu/events
- Option for adding members to the working groups at 20% discount (\$300 dollar savings per teacher)
- Free access to existing teaching resources as well as new resources developed by the Lemelson-MIT Program and partners across the year in consultation with the working groups.
- Ongoing consultations for participating educators and administrators across the school year with Lemelson-MIT staff and the working groups via remote conferencing.
- Up to three hours of free one-on-one consulting from Lemelson-MIT staff to support district efforts for invention education expansion.
- Assistance with engaging your surrounding business community and elected officials in supporting your efforts.
- Quarterly Lemelson-MIT Community of Invention Educators newsletter with the latest news and research about invention education from our working groups.
- Lemelson-MIT Partners in Invention Education banner for participating school sites and main office.

* Regular fee is \$1,500 per teacher. Does not include hotel or travel.

MEMBERSHIP FEES

BASIC MEMBERSHIP

12 MONTHS/ 2 AMINISTRATORS/ 3 EDUCATORS

\$ 10,000

SUPPLEMENTAL OPTIONS

DISCOUNTED PRICING FOR ADDITIONAL PARTICIPANTS IN PROFESSIONAL DEVELOPMENT SESSIONS

\$ 1,200 per person

ADDITIONAL CONSULTING AND IN-PERSON VISIT

\$ 1,000 per day plus travel

WHY JOIN?

THE LEMELSON-MIT PROGRAM IS A NATIONAL LEADER IN ADVANCING, SUPPORTING AND IMPLEMENTING INVENTION EDUCATION

We have helped thousands of middle and high school students and their teachers learn to invent for over 15 years. Many go on to pursue STEM college and career pathways, even if they had little exposure to STEM prior to our programming. Our evidence-based model also transforms approaches to teaching, facilitates students' learning, and helps schools and districts make connections to STEM professionals in their communities.



Testimonials from educators and students who experienced invention education through the Lemelson-MIT InvenTeam® initiative:

"For me, it was a major turning point in my ability to help all students. I have seen the level of achievement they can reach. InvenTeams has made me a more confident, experienced and better teacher."

- Doug Scott, Technology and Engineering Teacher, Hopkinton High School (MA)

"JV InvenTeams has 100% changed the way I teach. I've become more persistent in solving problems, exploring different and more creative solutions. I'm also willing to let the kids struggle a little, knowing it will lead to a better outcome."

-Bethany Taft, Biology and Horticulture Teacher, Oregon City Service Learning Academy (OR)

"It's very clear to me that the InvenTeam initiative had a significant positive impact on not only the students, but also the teachers involved, and in many ways our wider community. InvenTeams helps you become a better teacher. The knowledge and enthusiasm you share is unmatched."

-Dan Schab, Math Teacher, Williamston High School Math and Science Academy (MI)

"Having the experience to travel to MIT - and later the White House - affected my view of how far I could succeed in my life."

-Jonathan Hernandez, 2014 InvenTeam participant, (went on to study math and science at the University of California, San Diego)

"The program showed us how engineering interacts with the real-world. InvenTeams brought a lot of confidence to these students and a sense of necessity for them to be successful - not so they can say "I'm so intelligent" but to solve problems that pertain to their community."

-Kyle Kenan, STEM Teacher, KIPP Sunnyside High School (TX)

"My InvenTeam experience was absolutely incredible. It was the first real experience I had with engineering in all aspects of a project. It taught me how to deal with problems better than any project could have because with this project, there is a real-life application."

-Katelyn Sweeney, 2013 InvenTeam participant (went on to study engineering at MIT)

ANNUAL MEMBERSHIP APPLICATION
Partners in Invention Education

Fill out this form below or online at: lemelson.mit.edu/getinvolved

Name: _____

Title: _____

Organization/District Name: _____

Address: _____

Phone: _____

Email: _____

Will you be sending school administrators and/or school board members to EurekaFest in Cambridge, MA from June 19-21, 2019?

No

Yes

If yes, how many? _____

Where would you like to reserve your three free registrations for our face-to-face professional development sessions for educators? This benefit is included with the basic membership fee.

Tustin, CA (July 22-24, 2019)

OR

Cambridge, MA (July 29-31)

Method of Payment for Partners in Education Basic Membership fee of \$10,000:

Check (make checks payable to Lemelson-MIT Program)

P.O.# _____

Return this membership application with your check or P.O. number to:

Lemelson-MIT Program
222 Third Street, Suite 0300
Cambridge, MA 02142

Or you can email this completed form to Emily Meehan to be invoiced at emmeehan@mit.edu