LEMELSON-MIT INVENTION ADVENTURES™ *Your guide on the invention education pathway*

Professional Development Sessions

Begin your journey in Invention Education

Bring an exciting, project-based program to your school that enhances students' creative problem solving and critical thinking skills through invention, innovation and entrepreneurship.

Session Objectives

Participants will learn tools and lesson plans that enable students to:

- Think critically and creatively
- Analyze problems
- Ask questions
- Collaborate with peers
- Make real-world connections

Session Highlights

- Engage in activities that guide you through the Invention Process
- Discover strategies that enable students to become creative problem-solvers.
- Gain access to invention education curriculum aligned to the Next Generation Science Standards and the Common Core standards.
- Learn how to implement invention education in a classroom, school, district, Scout program, or at home.
- Understand the participation requirements for both the state level and the National Invention Convention events.
- Learn how Lemelson-MIT and the invention convention organizations can support the educators who teach the program.

Join a Fee-Waived Session via Zoom

Available for Massachusetts, Connecticut and California. Please choose one of these live links to register:

Past: Tuesday, November 9, 2021
4pm–6pm EST (MA & CT only)

Past: Tuesday, November 9, 2021
7pm–9pm EST; 4pm–6pm PST

Past: Thursday, December 9, 2021
7pm–9pm EST; 4pm–6pm PST

Wednesday, January 12, 2021
7pm–9pm EST; 4pm–6pm PST

Just Added:
Wednesday, January 19, 2022
4pm–6pm EST

Sessions led by:

- **Christine Lawlor-King**, Connecticut Invention Convention
- **Brenda Payne**, California Invention Convention
- **Pascha Griffiths**, Massachusetts Invention Convention

LEMELSON-MIT INVENTION CONVENTION

Exciting events at school, state and national levels!

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Why Invention Education?

It's where inventors, innovators and entrepreneurs get their start.

Invention education empowers young people to develop the skills and self-confidence they need to identify and solve real-world problems and to make informed choices about their future careers.

Through invention education, you can introduce your students to a world in which they solve their own problems and gain the confidence and skills to invent their own future.

STEM education, when combined with invention education, prepares students for the challenges and opportunities that await. By nurturing critical thinking, problem finding, and iterative problem solving, STEM education is empowering a new generation of inventors who can thrive in the 21st century economy.

Alongside invention education, invention conventions are experiential STEM learning events which offer:

- **Real-world project-based learning**
- **Engaging curriculum**
- **Exciting events at school, state and national levels**

LEMELSON-MIT INVENTION CONVENTION

Professional Development Sessions

Sessions led by:

Christine Lawlor-King
Executive Director, Connecticut Invention Convention

Christine Lawlor-King exemplifies an educator who is both pioneering innovation and entrepreneurship learning in the classroom, and a visionary in her own right. She created her district's award winning K-12 STEM program and has been the catalyst for implementing invention education curriculum in 500+ CT schools. She helped to establish and manage the Invention Convention Worldwide (annually brings innovation & entrepreneurship teaching to 100k+ students globally). Her efforts recently earned her STEMconnector's Community Trailblazer Award.

Brenda Payne
Executive Director, California Invention Convention

Brenda began her career as an educator in Northern California where she introduced invention education to students, utilizing an engineering curriculum that she helped develop for her district. Continuing on as a principal at several schools in Northern and Central California and an interim superintendent for a small district in Santa Cruz County, she began the California Invention Convention (CAIC), a program that today serves thousands of students, as an annual celebration of K-12 inventors and entrepreneurs from across the state. Brenda has provided the professional development for the CAIC curriculum that teachers use in their classrooms and after school programs.

Pascha Griffiths, PhD
Massachusetts Invention Education Coordinator, Lemelson-MIT Program

Pascha has taken lead roles in LMIT's Inventing with Toy Design, Professional Development, Invention Adventures program, and the Massachusetts Invention Convention. Prior to this she worked in education for over 20 years, teaching a variety of subjects to a range of students from nursery school to adult learners. She relishes investing in educators because in her experience, educators make enthusiastic learners who multiply their learning by investing in their students. Since 2013, Pascha has been coaching pre-service science teachers at Harvard University's Graduate School of Education, Lesley University's Teacher Education Program, and College of the Atlantic's Teacher Certification Program.