



BUILDING CAPACITY IN EDUCATORS

STEM Innovator® provides educators the knowledge and tools needed to turn their classroom into innovation hubs. Educators take a deep-dive into the innovation, invention and entrepreneurial process, learning Design Thinking, Lean Startup and STEM Practices. They become the innovators of their school-community, collaborating with business and industry, designing real-world learning environments for students.

ENGAGING STUDENTS AND COMMUNITY

STEM Innovator® students work in teams, alongside business and industry mentors, on innovation challenges solving authentic problems encountered in everyday life. Students learn how to collect and analyze data, prototype, and pivot in order to advance a solution.

STEM INNOVATOR® DIGITAL PORTFOLIO

STEM Innovator® Digital Portfolio is a platform for student engagement with community partners. Captures critical STEM innovation skills and provides students and educators just in time feedback. The STEM Innovator® Digital Portfolio is changing the way students demonstrate workforce and college readiness competencies.

STEM Innovator® is the nation's STEM innovation, invention and entrepreneurship program measuring student development of 21st century skills for workforce readiness.

MEASURABLE RESULTS

Through engagement in STEM Innovator® students practice and learn the value of adaptability, failing, resilience, effective communication, and data-driven decision making – all skills critical for STEM careers of the future.

KEY FEATURES

- Customizable options to fit your program needs
- Innovation in the palm of your hand
- Access portfolio across grade level and classes
- Collaborate with students and community partners nationwide
- Real-time assessment reports

TEACHER TESTIMONIAL

"The STEM Innovator® Digital Portfolio gives my students frequent, timely, and usable feedback about themselves as problem solvers, team members, and communicators.

It fosters a growth mindset in critical skills needed to succeed in academics, careers, and life, and a record of that growth that lets them and the outside world see all that they are capable of."

— Ed Murray, HS Science Teacher, STEM Innovator® Certified, Apple Valley High School, Apple Valley, MN



John Pappajohn
Entrepreneurial Center
Jacobson Institute



At a glance

Self-Paced, Affordable, Online STEM Innovation Workshop Series

Graduate Credit Available

- Low-cost accredited graduate-level 1-credit workshops
 - 12-15 hours of independent work
- Perfect for license renewal and salary advancement

College Credit to HS Students

- STEM Innovator® Certified educators may offer HS students the opportunity to receive transferable college credit from The University of Iowa
 - Complete workshops 1-5 to become STEM Innovator® Certified
 - Students receive 3 credits for \$150

Curriculum & Portfolio Assessment

- Access STEM Innovator® Digital Portfolio to capture student problem/project based competencies
- Tool allows feedback from community members, peers and educators
- Blends into your existing curriculum or as a new unit
- Works for in-person, hybrid, and virtual classrooms
- Appropriate for use across ALL K-12 disciplines

Format & Investment

- Self-paced, online, 12-15 hours of independent work
- Optional weekly live sessions with colleagues and instructors
- **Cost:** \$79 per workshop
- Optional graduate credit: \$149 per credit

Contact:

- **Web:** www.steminnovator.org
- **Email:** stem-innovator@uiowa.edu
- **Phone:** (319) 335-2204

Workshop 1

Introduction to STEM Innovation and Entrepreneurial Thinking

Workshop 2

STEM Innovation: Problem-Based Learning, Design Thinking, Skills and Mindsets, Prototyping

Workshop 3

STEM Entrepreneurship: Data-driven Decision Making, Project Management, Entrepreneurial Practices

Workshop 4

STEM Innovation Activities and Portfolio Assessment for the Classroom

Workshop 5

Incorporation of STEM Innovator® Resources and Portfolio Tools to Create an Innovation Model for your Classroom

Workshop 6

Creating a STEM Innovation Culture: A Deep Dive into Implementation Strategies