

# A NEW MINDSET



## **BUILDING CAPACITY IN EDUCATORS**

STEM Innovator® Professional Development 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.

## **WHAT MAKES US DIFFERENT?**

STEM Innovator® is research-driven – incorporating the best evidence-based research over the past 25 years in cognitive science, mathematics and science education, entrepreneurship, and business education.

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.

## **STEM INNOVATOR® DIGITAL PORTFOLIO**

STEM Innovator® Digital Portfolio is a digital 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.

## **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

# AT A GLANCE



## EDUCATORS BENEFIT

- **Certification:** University of Iowa STEM Innovator® Certified Instructor
- **Graduate credit:** Up to five graduate-level credits from the University of Iowa

## SCHOOLS BENEFIT

- **Certification:** University of Iowa STEM Innovator® Certified Instructors
- **Innovation:** Skills and support to build the innovation model that works for your community
- **21st Century Skills:** Graduates with the innovation skills to succeed in the global economy

## STUDENTS BENEFIT

- **College and career readiness:** Students gain the skills they need to succeed and compete in the global economy.
- **College Credit:** HS students of STEM Innovator® Certified Instructors may earn transferable college credit from the University of Iowa John Pappajohn Entrepreneurial Center

## COMMUNITIES BENEFIT

- **Rich, authentic partnerships with schools**
- **Access to talent pipeline**

### FOR MORE INFORMATION

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

STEM Innovator® is a product of the Jacobson Institute. The Jacobson Institute is a part of the John Pappajohn Entrepreneurial Center.

## TESTIMONIALS

“We joined STEM Innovator so that we could get a plan in place. Our team continues to be involved so that we can collaborate with experts and other like-minded educators. STEM Innovator® is the best teacher training I’ve ever participated in.”

**Mike Kuennen, STEM Innovator® Certified Educator**

“Students are going to need soft skills to create and innovate. Most fields they will work in are not even identified yet. The value of STEM Innovator® is helping the system innovate from within, look different, and start to change. I believe in the work STEM Innovator® is doing. Without efforts like this, it will be hard to change.”

**Matt Degner, School Administrator & STEM Innovator® Participant**

“The students bring a fresh new perspective on our challenges and push us to think outside the box, which is always beneficial for an organization.”

**Elaine Jennings, STEM Innovator® Community Partner**