

STEAM Innovators K-8: Pathways for Future Leaders

Grade Levels

K-8

Educational Setting

Both in school and/or out of school.

Informational Webinar(s)

Jan. 14, 4 p.m.

[REGISTER HERE](#)

[Recordings on Iowa STEM's Website](#)

Award Provides

- For K-5: Classroom Kit and Maker kit. Content to our 500+ lessons and activities that can be aligned to your science units or ELA curriculum.
- For 6-8: Classroom Kit and STEAM Plus kit. Content to our 500+ lessons and activities, specifically our 6-8th grade STEAM Careers Pathways Course.

2025-26 STEM Scale-Up Program Summary

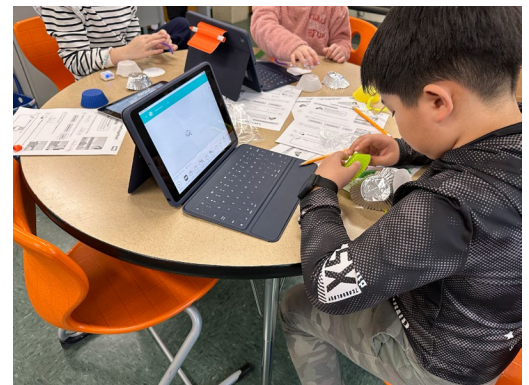


SAM Labs' STEAM program was designed to make STEM concepts engaging by integrating the arts, blending creativity with science, technology, engineering, and math to foster innovation, critical thinking, and problem-solving skills. Our program aligns with NGSS, Iowa Science Standards, Common Core, and ISTI, ensuring that students meet essential learning goals while engaging in hands-on projects.

Students participate in project-based activities that promote collaboration, creativity, and leadership, developing skills like communication and teamwork. These activities make STEM relevant to future careers in fields like architecture, video game design, and urban planning.

By incorporating real-world problem-solving, students create portfolio-worthy projects that showcase their skills to potential employers, linking education directly to the demands of the 21st-century workforce.

This [flyer](#) goes over our elementary courses and this [website](#) gives an overview of our 6-8th grade STEAM Careers Pathways course. Lastly, this [document](#) provides all of our content and categorizes them into careers.



Requirements to Implement the Program

- Educators must attend one three-hour training session.
- Educators must participate in the STEM Council Scale-Up Educator Survey.

Additional Cost(s) to Awardee During Award Period

None.

Approximate Sustainability Cost(s) After Award Period

\$10 per student to have access to the platform and curriculum (no additional materials)

or

\$5,000 per school for additional materials (all students and teachers will have access)

Website

samlabs.com/us/

Video

youtube.com/watch?v=Coqc0IUcng8

Iowa Standards Alignment

21st Century Skills: SAM Labs emphasizes essential 21st Century Skills such as critical thinking, problem-solving, collaboration, and digital literacy. These skills are embedded in project-based learning activities that require students to work together, think creatively, and apply technology effectively.

Cross-Curricular Standards: The program aligns with cross-curricular standards by integrating STEM concepts with other subject areas. Each lesson will include what ELA, Math, Social Studies and Science standards are covered during that time. For example:

- **Language Arts:** Students might document their projects through written reports or presentations, enhancing their communication and literacy skills.
- **Math:** Students will use equations or create graphs to complete their lessons.

This is a [link](#) that aligns the Iowa Science Standards with our STEM lessons.

Professional Development

Duration:

Professional Development is approximately three hours.

Date(s):

Training sessions will take place from July 21st-July 25th, depending on the STEM hub you are assigned to.

Location:

Professional Development will be in-person at the STEM hubs, virtual PD support and follow-ups are available.

To Learn More or To Apply: educate.iowa.gov/STEM/ScaleUp