



**STEM BEST® Programs of the Iowa Governor’s STEM Advisory Council**

The STEM BEST (Businesses Engaging Students and Teachers) Program focuses on teachers and industry professionals working side-by-side to craft curriculum and projects that prepare students for exciting STEM careers local to their community in manufacturing, information technology, bioscience (agriculture and medicine), finance and more.

**North Central STEM Region:**

<p><b>BCLUW Community School District</b></p>	<p>The district provides service-learning through hands-on academic projects within the community to prepare 11-12 grade students for future careers. Students identify and creatively solve a problem. They reach beyond the regular classroom experience through building community, business and higher education partnerships to assist the transition from school to careers. BCLUW provides students with opportunities to explore healthcare careers and makes connections to jobs and training opportunities.</p>
<p>Awarded in 2022 and 2019 Contact: Roberta Vanderah at <a href="mailto:rvanderah@bcluw.org">rvanderah@bcluw.org</a> Matt Price at <a href="mailto:mprice@bcluw.org">mprice@bcluw.org</a></p>	
<p><b>Boone EDGE</b></p>	<p>EDGE stands for Empowering Desire. Guiding Experience. Boone EDGE is a work-based learning continuum of awareness, exploration, training and preparation. Students engage in multiple ways through partnerships with a variety of community partners for grades PK-12. At the high school level, project-based courses, internships, and apprenticeship-based courses are offered, in addition to awareness activities through partner tours, speakers, mentors, and authentic projects in core classes. Our mission is to empower students to reach their goals, help students discover their desire, guide students toward what they want to do and give them the experience needed to continue on their path to success.</p>
<p>Awarded in 2022 and 2016 Contact: Jill Janes <a href="mailto:jjanes@boone.k12.ia.us">jjanes@boone.k12.ia.us</a> or Lindsey Hyman <a href="mailto:lhyma@boone.k12.ia.us">lhyma@boone.k12.ia.us</a></p>	
<p><b>CAL Community School District</b></p>	<p>CAL Elementary is using the STEM BEST award to expand on current Agricultural and STEM related learning initiatives. We will make improvements, updates, and expansions to our school greenhouse and gardens. We will connect with industry professionals to provide real-world contacts, experiences and information so that they can make connections between what they are learning and how it is involved in career pathways in Agriculture and Technology. Students will focus on learning how their interests can be pursued as part of career pathways.</p>
<p>Awarded in 2023 Contact: Kelsey Enslin at <a href="mailto:enslink@cal.k12.ia.us">enslink@cal.k12.ia.us</a> Jill Craighton at <a href="mailto:craightonj@cal.k12.ia.us">craightonj@cal.k12.ia.us</a></p>	
<p><b>Clear Lake Community School District</b></p>	<p>Clear Lake Community School District exposes students to STEM careers with local employers by bringing in business partners to interact with elementary students. Secondary students participate in internships and apprenticeships with business partners, specifically utilizing the Project Lead the Way curriculum.</p>
<p>Awarded in 2020 and 2019 Contact: Emily Hill at <a href="mailto:ehill@clearlakeschools.org">ehill@clearlakeschools.org</a></p>	

<p><b>Fort Dodge Community School District</b></p> <p>Awarded in 2023  Contact: Andrew Kavanaugh at <a href="mailto:akavanaugh@fdschools.org">akavanaugh@fdschools.org</a></p>	<p>Our program focuses on manufacturing. The students learn various metalworking skills, including but not limited to, sheet metal layout/fabrication, machining, welding/fabrication, and forging.</p>
<p><b>Marshalltown Community School District</b></p> <p>Awarded in 2020  Contact: Jocelyn Frohwein at <a href="mailto:jfrohwein@marshalltown.k12.ia.us">jfrohwein@marshalltown.k12.ia.us</a></p>	<p>Marshalltown Community School District expanded their Career Pathways and Career Trees for additional STEM-focused future ready opportunities. Students in grades 8-12 conduct authentic experiences in video broadcasting alongside partners.</p>
<p><b>Marshalltown Learning Academy</b></p> <p>Awarded in 2017  Contact: Eric Goslinga at <a href="mailto:egoslinga@marshalltown.k12.ia.us">egoslinga@marshalltown.k12.ia.us</a></p>	<p>The Marshalltown Learning Academy provides a personalized learning environment for students. Apprenticeship programs were added with area businesses that are often already in partnership with the school district.</p>
<p><b>North Iowa Community School District</b></p> <p>Awarded in 2017  Contact: Joe Erickson, Superintendent, at <a href="mailto:erickson@northiowa.org">erickson@northiowa.org</a></p>	<p>The district partnered with Next Generation Technology (NGT) to develop Next Generation Kits (NGK's). This is used in the Solution Center and provides hands-on student-led learning opportunities that engages students while aligning to NGSS and other CORE standards. NGK fosters creativity, innovation and problem-solving skills.</p>
<p><b>St. Mary School (Humboldt)</b></p> <p>Awarded in 2018  Contact: Ashlyn Clark <a href="mailto:aclark@stmaryhumboldt.org">aclark@stmaryhumboldt.org</a></p>	<p>K-6 large and small group STEM classes</p>
<p><b>Ogden Community School District</b></p> <p>Awarded in 2023  Contact: Bozz Bossard at <a href="mailto:abossard@boone.k12.ia.us">abossard@boone.k12.ia.us</a></p>	<p>Create authentic learning opportunities for students through community projects with the goal of engaging students in classes and extending that learning into a real-world setting.</p>
<p><b>Osage Community School District (Heavy Equipment)</b></p> <p>Awarded in 2023  Contact: Brent Jennings at <a href="mailto:bjennings@osage.k12.ia.us">bjennings@osage.k12.ia.us</a>  Craig Christensen (St Ansgar) at <a href="mailto:cchristensen@stacsds.org">cchristensen@stacsds.org</a></p>	<p>Osage and St. Ansgar Community School Districts are collaborating with local businesses to create a pathway to introduce students to careers in operating large equipment. Two CAT simulators, a small wheeled loader, and an excavator simulator, are housed in an enclosed trailer that can easily travel between the two districts. These simulators are part of the Industrial Technology Departments at each school. Each school will have the trailer for two of the four quarters of each school year.</p>
<p><b>Osage Community School District (CNA)</b></p> <p>Awarded in 2022  Contact: Kelley Molitor at <a href="mailto:kmolitor@osage.k12.ia.us">kmolitor@osage.k12.ia.us</a></p>	<p>A CNA program was developed for junior and senior students then a health care career pathway for students. The model will be started with Osage Community Schools students and then offered to students in St. Ansgar and Riceville, creating a county wide academy.</p>

<b>West Marshall Community School District</b>	<p>The major aim of West Marshall's STEM BEST HD program is to start students younger and to take them farther along the computer science path before graduating from high school. The district works to accomplish this through four different strategies. These include developing a comprehensive K-12 computer science curriculum, building a K-5 STEM lending library, leading STEM teacher academies and hosting an annual K-8 family STEM night.</p>
<p>Awarded in 2022  Contact: Mari Haley at <a href="mailto:mhaley@wmcsd.org">mhaley@wmcsd.org</a>  and Amy McKibben  <a href="mailto:amckibben@wmcsd.org">amckibben@wmcsd.org</a></p>	

**Northeast STEM Region:**

<b>Allamakee Community School District</b>	<p>Waukon High School (WHS) implemented an Allamakee Regional Welding Academy to serve the local community. By partnering with Northeast Iowa Community College (NICC), WHS and Allamakee County Economic Development (ACED), this helps create a talent pipeline to fill current and future welding vacancies within the region. The district also offers a STEM course to expand this CTE program to middle school to begin career exploration at an earlier age. Students will be able to explore physical computing, 3-D printing and design, microbiomes and engineering.</p>
<p>Awarded in 2023 and 2018  Contact: Ben Rausch,  <a href="mailto:brausch@allamakee.k12.ia.us">brausch@allamakee.k12.ia.us</a>  and  Kelli Olson at  <a href="mailto:kolson@allamakee.k12.ia.us">kolson@allamakee.k12.ia.us</a></p>	
<b>Cedar Falls Community School District</b>	<p>Cedar Falls Community School District offers Center for Advanced Professional Studies (CAPS) programming through strands that explore business solutions, careers, CAN, education, industries and medical pathways. New strands represent community demand for talent pipeline into critical industries.</p>
<p>Awarded in 2020, 2018, 2017  Contact: Ethan Wiechman at  <a href="mailto:Ethan.Wiechmann@cfschools.org">Ethan.Wiechmann@cfschools.org</a></p>	
<b>Central Community School District - Secondary</b>	<p>The goal of its Clayton County BEST Program will be to offer unique learning opportunities that connect individual students to authentic workplace experiences and provide a strong focus on career and college readiness as a key outcome. Students will be paired with community organizations and businesses to address real-life concerns using 21st century skills and knowledge to provide solutions and products.</p>
<p>Awarded in 2022, 2021  Contact: Leah Imoehl at  <a href="mailto:lmoehl@central.k12.ia.us">lmoehl@central.k12.ia.us</a>  or Ryan Bergan at  <a href="mailto:rbergan@central.k12.ia.us">rbergan@central.k12.ia.us</a></p>	
<b>Central Community School District – Elementary</b>	<p>The goal of the Central Elementary Makerspace is to equip students with skills to explore, create and discover how things work in the world around them! Students are introduced to computational making activities that promote crosscutting concepts across science, technology, engineering and math. We provide scaffold learning experiences so elementary students in Kindergarten through 6th grade become self-determined learners. In addition, the Makerspace utilizes community support volunteers for time, expertise and donation of supplies.</p>
<p>Awarded in 2018  Contact: Leah Imoehl at  <a href="mailto:lmoehl@central.k12.ia.us">lmoehl@central.k12.ia.us</a>  or Nick Trenkamp at  <a href="mailto:ntrenkamp@central.k12.ia.us">ntrenkamp@central.k12.ia.us</a></p>	
<b>Dike- New Hartford Community School District</b>	<p>At Dike-New Hartford, a more relevant and vibrant industrial technology curriculum will be developed. Specifically, improvements will be made to facility and equipment to offer courses in advanced welding, CNC machining, product development and enterprise, and laser fabrication.</p>
<p>Awarded in 2022  Contact: Lane Stahlberg at  <a href="mailto:lane.stahlberg@dnhcsd.org">lane.stahlberg@dnhcsd.org</a></p>	

<b>Dubuque Community School District</b>	Hempstead High school will purchase a CNC machine to increase student awareness and experience of quality careers available in manufacturing.
Awarded in 2023 Contact: David Moeller at <a href="mailto:dmoeller@dbqschools.org">dmoeller@dbqschools.org</a>	The Agricultural Greenhouse Learning Center to enhance access to healthy food options for Easton Valley CSD students and Little River Hawks Daycare Center attendees by contributing fresh produce to the lunch program. The greenhouse will offer hands-on experiences for junior, senior high and elementary students.
<b>Easton Valley Community School District</b>	
Awarded in 2024 Contact: Steven Eskildsen at <a href="mailto:steven.eskildsen@eastonvalleycsd.com">steven.eskildsen@eastonvalleycsd.com</a>	Program will utilize a GlowForge laser printer to provide exposure to digital fabrication and prototyping, entrepreneurship and small business ventures, visual arts and multimedia production, and STEM-infused projects with the support of community partners.
<b>Edgewood-Colesburg Community School District</b>	
Awarded 2024 Contact: Melissa Meyer at <a href="mailto:mmeyer@edge-cole.k12.ia.us">mmeyer@edge-cole.k12.ia.us</a>	A community supported Agriculture (CSA) business will be created and run by students who can enroll in one of three course pathways, including Agriculture Research, Construction, and Business and Marketing. Students enrolled in Agriculture Research will plan for a successful growing season as well as plant, care for, and harvest produce. In the Business and Marketing course, students will manage branding and promotion, as well as pricing and inventory. In the construction pathway, students will plan for and build the necessary items for the CSA such as a chicken coop and farmers market stand.
<b>Holy Family System (Dubuque)</b>	
Awarded in 2023 Contact: Sarah Martineau at <a href="mailto:smartineau@holymfamilydbq.org">smartineau@holymfamilydbq.org</a> or Korrin Schriver, <a href="mailto:kschriver@holymfamilydbq.org">kschriver@holymfamilydbq.org</a>	The "Cadet Zone" project enhances job readiness skills for students by partnering with area businesses to promote creativity and 21st century skills. "Cadet Zone Cafe", "Cadet Zone Merchandise Store", and "Cadet Zone Media Productions" are the three branches that offer students opportunities to work alongside businesses, obtaining a unique set of skills for the workforce.
<b>Howard-Winneshiek Community School District</b>	
Awarded in 2021 Contact: Luke Jansen at <a href="mailto:ljansen@howard-winn.k12.ia.us">ljansen@howard-winn.k12.ia.us</a>	Iowa BIG North offers students the opportunity to experience in-depth and more sustained projects in professional business, community, and/or government settings. Students will engage in pursuing answers to professional problems and projects while being immersed in a professional work environment. Development of 21st century and employability skills (Universal Constructs) will be a strong focus of this program. IBN is competency-based, so students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences.
<b>Iowa Big North</b>	
Awarded in 2017, 2015, 2014 Contact: Mike Kuennen at <a href="mailto:m_kuennen@new-hampton.k12.ia.us">m_kuennen@new-hampton.k12.ia.us</a> or Krissy Anderson <a href="mailto:k_anderson@new-hampton.k12.ia.us">k_anderson@new-hampton.k12.ia.us</a>	

<b>Jesup Community School District</b>	<p>Jesup Community School District expands work-based learning through partnership and collaboration with Cedar Falls' STEM BEST Program (called CAPS). Students are provided opportunities for their knowledge and skills to intersect in real-world learning opportunities. They are able to explore careers, make connections to businesses and understand how the concepts and information they are learning in the classroom translate into real life.</p>
<p>Awarded in 2019  Contact: Paul Rea  at <a href="mailto:prea@jesup.k12.ia.us">prea@jesup.k12.ia.us</a></p>	
<b>MFL MarMac Community School District</b>	<p>MFL MarMac MORE is an authentic learning program that empowers high school students to explore their skills and interests and engage with business and community professionals to complete projects that add value to the real world.</p>
<p>Awarded in 2022 and 2021  Contact: Melissa Haberichter at  <a href="mailto:melissa.haberichter@mflmm.k12.ia.us">melissa.haberichter@mflmm.k12.ia.us</a></p>	
<b>New Hampton Community School District</b>	<p>The New Hampton Agricultural Education Program has set goals to make some adjustments to the program when it comes to updating, repairing, and starting new traditions while keeping some old ones going! Through the utilization of our facilities and the professionals and industry leaders in the area, we look to start and continue projects by sparking student interests. This takes time and effort in educating the students on the base knowledge needed to responsibly manage resources and learn new skills. .</p>
<p>Awarded in 2019  Contact: Rachel Bauler at  <a href="mailto:r_bauler@new-hampton.k12.ia.us">r_bauler@new-hampton.k12.ia.us</a></p>	
<b>Oelwein Community School District</b>	<p>PROJECT ONE was created by the district in conjunction with the Oelwein Economic and Area Development to create opportunities for students to flourish in robust work-based learning environments. With support from local businesses, authentic learning opportunities will provide students with a rich opportunity to explore interests, learn in cross-curricular classrooms and develop skills of the universal constructs.</p>
<p>Awarded in 2017  Contact: Tim Hadley  thadley@oelwein.k12.ia.us</p>	
<b>Starmont Community School District</b>	<p>Our program is a pull out program where students K-12th grade have the option to explore a Makerspace. Sometimes small groups come or whole classrooms. The elementary classes have an eight day rotation and the opportunity to come twice in that rotation to the Makerspace. The secondary come to the Makerspace on their own time when they have STAR(Intervention) or study hall. Our Makerspace teachers also co teach with teachers if requested. The goal is for all K-12th Grade to have access and explore the Makerspace throughout the year.K-12th Grade to have access and explore the Makerspace throughout the year.</p>
<p>Awarded in 2022  Contact: Cassie Gruman at  <a href="mailto:cassiegruman@starmont.k12.ia.us">cassiegruman@starmont.k12.ia.us</a>  or  Payton Rundle at  <a href="mailto:prundle@starmont.k12.ia.us">prundle@starmont.k12.ia.us</a></p>	
<b>Turkey Valley Community School District</b>	<p>We have constructed a Greenhouse. Students have been actively working on several projects within the greenhouse. FarmBot, a computerized farming system, hydroponic tower system in which we will be having lettuce grown in the system and students and staff will be able to choose for a lunch item. Students will be planting vegetables and flowers for our spring Open House. Then Stem Best Funds have allowed us to start a student manager program in which a student manages the greenhouse after school hours.</p>
<p>Awarded in 2022  Contact: Steve Pfaffle at  <a href="mailto:spfaffle@turkey-v.k12.ia.us">spfaffle@turkey-v.k12.ia.us</a>  Michelle Hoy  <a href="mailto:mhoy@turkey-v.k12.ia.us">mhoy@turkey-v.k12.ia.us</a></p>	

<b>Wapsie Valley Community School District</b>	CAPS is a Future ready program designed to promote students in the work based learning areas related to STEM fields.
Awarded in 2021 Contact: Jordan Cusick <a href="mailto:jcusick@wapsievalleyschools.org">jcusick@wapsievalleyschools.org</a> TJ Murphy at <a href="mailto:tmurphy@wapsievalleyschools.org">tmurphy@wapsievalleyschools.org</a>	
<b>Waterloo Community School District</b>	A Biomedical Lab Technician program will be added as part of the Health Sciences pathways in their career center. The partnership will utilize skills learned through classroom instruction to navigate scenarios in health professions. The Computer Science/IT pathway will be expanded to offer a Cyber Security Pathway. Students will be able to obtain certifications, including Security Pro, COMP TIA and other ethical hacking certifications. The district will enhance the Electrical Career Pathway with the purchase of a Switch Vehicle. This will provide students the challenge of building a full size, road-worthy electric vehicle.
Awarded in 2023, 2022, 2019 Contact: Amy Mieke at <a href="mailto:miehea2@waterlooschools.org">miehea2@waterlooschools.org</a> and Jeff Frost at <a href="mailto:frostj@waterlooschools.org">frostj@waterlooschools.org</a>	
<b>Waverly-Shell Rock Community School District</b>	Gohawk Manufacturing to help teach technical and soft skills for industry partners. Students will work at company sites and the school shop to build customer parts and projects working alongside industry professionals as they learn the trade.
Awarded in 2024 Contact: Bryan Benham at <a href="mailto:bryan.benham@wsr.k12.ia.us">bryan.benham@wsr.k12.ia.us</a>	

**Northwest STEM Region:**

<b>Boyden-Hull Community School District</b>	Students will be immersed in the Center for Advanced Professional Studies (CAPS) for career exploration and professional training with local businesses. Students will participate in mock interviews, career discovery meetings and authentic learning.
Awarded in 2023 Contact: Dan Pottebaum <a href="mailto:dan.pottebaum@boyden-hull.org">dan.pottebaum@boyden-hull.org</a>	
<b>Carroll Community School District</b>	The district will implement a new freshman pathways course, Introduction to Pathways, while also assisting in providing staff with Project Lead the Way certification to provide students Introduction to Engineering, Cybersecurity, Biomedical Science and Environmental Sustainability.
Awarded in 2023 Contact: Kourtney Abbotts at <a href="mailto:kabbotts@carrolltigers.org">kabbotts@carrolltigers.org</a> or Nicole Mccarville <a href="mailto:nmccarville@carrolltigers.org">nmccarville@carrolltigers.org</a>	
<b>Central Lyon Community School District</b>	Creation and implementation of career-linked opportunities for students to actively engage with community employers through the CAPS program. Students will be more empowered to develop essential career readiness skills and establish meaningful connections with the professional world.
Awarded in 2024 Contact: Sarah de Vries at <a href="mailto:sdevries@centrallyon.org">sdevries@centrallyon.org</a>	

<b>Cherokee Community School District</b>	<p>The Cherokee CAPS Program represents the collaboration of education, business and community and provides students with a unique, immersive experience, resulting in highly skilled, adaptable, global innovators and leaders. Our apprenticeship program connects students with local industry partners targeting the areas of health care.</p>
<p>Awarded in 2022 Contact: Tim Stoneking at <a href="mailto:tstoneking@ccsd.k12.ia.us">tstoneking@ccsd.k12.ia.us</a></p>	
<b>Emmetsburg Community School District</b>	<p>Emmetsburg STEM Program: Increases opportunities for our students to explore career opportunities available that will help to make our students future ready. Incorporate STEM through various implementation steps throughout the District. Create a pathway using the Stem Innovator program from Kindergarten through 12th grade to engage students in learning and motivate them to complete their education. Expand this program to allow our students to collaborate with area partners and help them realize that they can stay or return to our community. Establish key partners within our community to develop real-world projects for students to help them develop real-world skills.</p>
<p>Awarded in 2020 Contact: Tracie Christensen at <a href="mailto:tchristensen@e-hawks.org">tchristensen@e-hawks.org</a> or Darca Saxon <a href="mailto:dSaxon@e-hawks.org">dSaxon@e-hawks.org</a></p>	
<b>Lawton-Bronson Comm School District</b>	<p>The goal Lawton-Bronson would like to accomplish through the purchase and use of the zSpace is to increase interest in the healthcare field as well as prepare those interested for collegiate and workplace use of simulations.</p>
<p>Awarded in 2022 Contact: Kayla Lundt at <a href="mailto:lundtk@lb-eagles.org">lundtk@lb-eagles.org</a></p>	
<b>Maple Valley-Anthon Oto Community School District</b>	<p>The Maple Valley-Anthon Oto Community School District will partner with Maple Heights Nursing Home in Mapleton, IA, to provide opportunities for students to explore opportunities in Health Careers. The funds would be used to implement a Project Lead the Way Biomedical Sciences curriculum while also renovating my classroom to model a patient room.</p>
<p>Awarded in 2022 Contact: Bill Collins at <a href="mailto:bcollins@mvaoschool.org">bcollins@mvaoschool.org</a></p>	
<b>MMCRU Community School District</b>	<p>New manufacturing equipment was purchased including a CNC machining center, advanced millwork processing technologies and welding robotic cells to provide industry grade technology to 9th-12th grade students. This will help prepare students for local careers with the tools, equipment and technology used by local tradesmen for metal fabrication and general machining sectors in an economic development effort in northwest Iowa.</p>
<p>Awarded in 2023 and 2019 Contact: Matthew Hansen at <a href="mailto:matt.hansen@mmcruroyals.org">matt.hansen@mmcruroyals.org</a></p>	
<b>MOC-Floyd Valley Community School District – High School</b>	<p>Students at MOC-Floyd Valley High School are provided with a range of opportunities along a continuum of authentic learning experiences, including our Dutch Designs Program, Extended Career Experiences Program, and Registered Apprenticeship opportunities. We also have CAPS Solutions, CAPS Education, and CAPS Medical pathways. The foundation of each of these programs is the relationship that exists between students, teachers, and community partners, allowing for value-added benefits for all.</p>
<p>Awarded in 2023, 2022, 2021, 2020 Contact: Grant Hegstead at <a href="mailto:ghegstad@mocfv.org">ghegstad@mocfv.org</a> and Michael Mulder at <a href="mailto:mmulder@mocfv.org">mmulder@mocfv.org</a></p>	

<p><b>MOC-Floyd Valley Community School District – Elementary</b></p> <p>Awarded in 2022  Contact: Sandy Groom-Meeks at <a href="mailto:sgroommeeks@mocfv.org">sgroommeeks@mocfv.org</a> and  Contact: Grant Hegstead at <a href="mailto:ghegstad@mocfv.org">ghegstad@mocfv.org</a></p>	<p>Working with community computer science education consultants, on-site professional development opportunities are available to prepare K-5 grade teachers to teach customized integrated lessons and integrate computer science into daily classroom activities.</p>
<p><b>No Boundaries and No Boundaries Middle School</b></p> <p>Awarded in 2023 and 2018  Contact: Becky Rients at <a href="mailto:brients@okobojschools.org">brients@okobojschools.org</a></p>	<p>A consortium of schools, including the Okoboji, Graettinger-Terril, Ruthven-Ayrshire, and Spencer Community School Districts, developed <b>No Boundaries</b> for high school students and <b>No Boundaries Middle School</b> for 8th graders at Okoboji Middle School. The vision of this project is to provide real-world and relevant opportunities that don't exist in the traditional school setting and to expand this model to students across the region.</p>
<p><b>Odebolt Arthur Battle Creek Ida Grove Community School District</b></p> <p>Awarded in 2024  Contact: Travis Chizek at <a href="mailto:tchizek@oabcig.org">tchizek@oabcig.org</a></p>	<p>Program will provide industry relevant workshops that allow students to get hands-on experience with the latest machinery and tools used in manufacturing to develop skills in CNC machining, production planning and lean manufacturing principles.</p>
<p><b>Okoboji Community School District</b></p> <p>Awarded in 2023  Contact: Alex Spooner at <a href="mailto:aspooner@okobojschools.org">aspooner@okobojschools.org</a>  Ryan Cunningham at <a href="mailto:rcunningham@okobojschools.org">rcunningham@okobojschools.org</a></p>	<p>The Curious Minds program immerses students in the world of virtual reality, 3-D design, and game development, fostering collaboration with experts across various fields. Through cutting-edge software and tools like VR goggles and 3-D printers, middle schoolers actively engage with designers, building their portfolios and honing the skills needed to excel in STEM.</p>
<p><b>Rock Valley Community School District - Rocket Manufacturing</b></p> <p>Awarded in 2014  Contact Micah Weber at <a href="mailto:mweber@rvclass.org">mweber@rvclass.org</a>  Eric Van Veldhuizen at <a href="mailto:evanveld@rvcsd.org">evanveld@rvcsd.org</a> or  Nancy Dickmann at <a href="mailto:ndickman@rvcsd.org">ndickman@rvcsd.org</a></p>	<p>Rocket Manufacturing is a student-run manufacturing business that works with local businesses by crafting metal machined parts and tools and fabricating items requested by businesses or individuals. Students carry out the marketing, accounting, ordering, design, production and customer communications.</p>
<p><b>Sergeant Bluff-Luton Community School District</b></p> <p>Awarded in 2023  Contact: Chad Janzen at <a href="mailto:janzecha@sblschools.com">janzecha@sblschools.com</a></p>	<p>An expansion of healthcare pathways and biology courses to work with community partners and expose students to the breadth of healthcare careers with use of Anatomage Table.</p>



<b>Sheldon Community School District</b>	<p>Sheldon CAPS is a project based work experience class where students are paired with organizations in their community as clients. The CAPS associates complete projects for their clients, learning about leadership, communication, purpose, innovation, and professionalism along the way. The innovative program has spurred many other tangent work-based learning classes including internships and pre-apprenticeships in Sheldon. The work-based learning coordinator meets with students and business partners to place students in workplaces that include banking, healthcare, manufacturing, and more.</p>
<p>Awarded in 2022  Contact: Cindy Prewitt at <a href="mailto:cindy.prewitt@sheldonschools.com">cindy.prewitt@sheldonschools.com</a>  Amanda De Groot  <a href="mailto:amanda.degroot@sheldonschools.com">amanda.degroot@sheldonschools.com</a></p>	<p>A new space will be created where students can practice STEM future-ready skills while being led by industry experts. This strategy will help develop leaders for tomorrow, increase classroom engagement and help students discover careers in STEM fields.</p>
<b>Sioux Center Christian School</b>	<p>Our STEM BEST program is focused on authentic learning experiences and career exploration. Self-discovery and understanding is central to our program. Students explore their gifts, talents, and career interests. They complete real-world projects and simulations that allow them to experience a variety of careers. Our program includes a Career Explorations class for 9-12 grade students. This class connects students with businesses in our community to introduce them to the opportunities right in their backyard as well as give them meaningful connections to local business leaders.</p>
<p>Awarded in 2023  Contact: Josh Bowar at <a href="mailto:jbowar@siouxcenterchristian.com">jbowar@siouxcenterchristian.com</a></p>	<p>Educational greenhouse, plant science, food security, work-based learning. Few opportunities to purchase food produced locally exist. Our agriculture education program is working to improve this through work-based learning projects and improving production practices through the application of STEM practices.</p>
<b>Sioux Center Community School District</b>	<p>The inspiration for enhancing our health science pathways tied to the business community &amp; addressing real-life scenarios, comes from student interest &amp; industry needs. The STEM Best funding helped support the purchase of the Anatomage Table. Students can interact with well-preserved digital cadavers instead of aged and degenerated bodies. The accurate details &amp; rich content draw students' interest leading to more effective education outcomes. The table is also made available to our business partners for their own training purposes creating a stronger partnership between education &amp; industry.</p>
<p>Awarded in 2022 and 2021  Contact: Jill Harskamp at <a href="mailto:jill.harskamp@scwarriors.org">jill.harskamp@scwarriors.org</a></p>	
<b>Sioux Central Community School District</b>	
<p>Awarded in 2023  Contact: Melanie Bloom at <a href="mailto:mbloom@siouxcentral.org">mbloom@siouxcentral.org</a></p>	
<b>Sioux City Community School District</b>	
<p>Awarded in 2024, 2022 and 2018  Contact: MacKenzie Hiserote  <a href="mailto:hiserom@live.siouxcityschools.com">hiserom@live.siouxcityschools.com</a>  Eric Kilburn  <a href="mailto:kilbure@live.siouxcityschools.com">kilbure@live.siouxcityschools.com</a></p>	

<p><b>Spencer High School</b>  Awarded in 2016  Contact: Nathan Wendt at <a href="mailto:nwendt@spencerschools.org">nwendt@spencerschools.org</a>  Ayn Thoreson at <a href="mailto:athoreson@spencerschools.org">athoreson@spencerschools.org</a> or  Kiersten Doebel at <a href="mailto:kdoebel@spencerschools.org">kdoebel@spencerschools.org</a></p>	<p>Students have multiple career pathways to choose from. No Boundaries is a passion-driven, project-based learning experience where students tackle real world issues for community organizations, and develop professional skills along the way. Students can also take extended career experience classes focusing on agriculture, manufacturing, health sciences, entrepreneurship, construction, or even a custom-made experience to fit the interests of the students. Each program allows students the opportunity to make connections with professionals in the area and gain necessary employability skills.</p>
<p><b>Spirit Lake Middle School</b>  Awarded in 2017  Contact: Beau Dielschneider <a href="mailto:bdielschneider@spirit-lake.k12.ia.us">bdielschneider@spirit-lake.k12.ia.us</a>  Kyle Zankowski. <a href="mailto:kzankowski@spirit-lake.k12.ia.us">kzankowski@spirit-lake.k12.ia.us</a></p>	<p>A multipurpose educational makerspace was created to connect the school with the community and provide hands-on, creative ways for students to innovate while engaging in all academic disciplines.</p>
<p><b>Storm Lake Community School District</b>  Awarded STEM BEST HD in 2022 and Spring 2022  Contact: Jacquie Drey at <a href="mailto:jdrey@slcsd.org">jdrey@slcsd.org</a></p>	<p>Storm Lake Early Elementary School, aims to link early learners with agriculture through community partnerships. In our county, fewer farms with higher yields result in diminished generational agricultural knowledge. To enlighten our students about our nation's reliance on a thriving agricultural system driven by science and technology, the EES offers hands-on activities in the regular classroom as well as in an outdoor learning space. These educational opportunities and connecting with our community foster appreciation for the vital role farming plays in our lives.</p>
<p><b>Unity Christian High School</b>  Awarded 2024  Contact: Kevin Haan at <a href="mailto:khaan@unitychristian.net">khaan@unitychristian.net</a></p>	<p>Utilize Aquaponics in Biology to offer a hands-on, non-traditional approach to learning and provide authentic opportunities for students to practice being community citizens.</p>
<p><b>West Lyon Community School District</b>  Awarded STEM BEST HD in 2022  Contact: Shane Peterson at <a href="mailto:speterson@wlvildcats.org">speterson@wlvildcats.org</a> or  Nate Sievers at <a href="mailto:nsievers@wlvildcats.org">nsievers@wlvildcats.org</a></p>	<p>Day-long field trips will take place to tour businesses in the advanced manufacturing sector. Students will be connected with businesses to meet employers, have the students witness what is happening in those facilities and come back to our program and practice skills that relate to those careers.</p>
<p><b>Western Christian High School</b>  Awarded in 2024  Contact: Shawn De Stinger at <a href="mailto:shawn.destigter@westernchristianhs.com">shawn.destigter@westernchristianhs.com</a></p>	<p>Enhance and grow the JumpSTART Pathway and CTE Program, which are non-traditional educational programs that train and equip selected students to enter the trades workforce sector upon graduation. Programs teach students to become career-ready and servant-hearted individuals through unique "hands-on" course offerings and through a variety of authentic field experiences within the local community.</p>

**South Central STEM Region:**

<b>Ankeny Community School District</b>	In 2017 the Ankeny Community School District created a college and career readiness program called Orbis. Students engage in authentic projects submitted by our business and community members and use the Design Thinking process to create solutions to these challenges. Orbis focuses on developing leadership, problem-solving, and collaboration. Currently, ACSD is in the research phase to design and expand similar programming in the district through the creation of an innovative hub.
Awarded in 2023 and 2017 Contact: Joel Fox at <a href="mailto:joel.fox@ankenyschools.org">joel.fox@ankenyschools.org</a> and Jessica Dirks at <a href="mailto:jessica.dirks@ankenyschools.org">jessica.dirks@ankenyschools.org</a>	
<b>Bondurant-Farrar Community School District</b>	The current form of the program centers around engaging businesses and other stakeholders in the community to help students learn more about careers in the area. This has been achieved through working with partners from the original writing of the grant as well as expanding upon the partnership list. That growth has been possible due to the fact that with the program award the school district has added a dedicated person to oversee these partnerships with businesses. This has allowed for greater coordination between the school and businesses.
Awarded in 2022 and 2019 Contact: Donovan Hill at <a href="mailto:hilld@bfschools.org">hilld@bfschools.org</a>	
<b>Chariton Community School District</b>	Through a partnership with the Lucas County Development Corporation, the REAL (Relevant, Engaged, Applied, Learning) program was created to engage high school students in on-site, work-based projects. Students are exposed to high-demand fields such as design/engineering, diesel mechanics, IT, nursing, coding, finance and supply chain. The program will also include a welding and advanced manufacturing lab area to increase student capacity with updated equipment and allow the use of industry standard equipment for more professional level projects.
Awarded in 2017 Contact: Tracy Hall, Chariton High School Principal, at <a href="mailto:tracy.hall@chariton.k12.ia.us">tracy.hall@chariton.k12.ia.us</a>	
<b>Johnston Community School District</b>	The Johnston Community School District will provide students an opportunity to explore, develop skills and receive EMS certification in emergency medical care and transportation for critical and noncritical patients who access the emergency medical system.
Awarded in 2022 Contact: Jyll Johnson-Miner at <a href="mailto:jjminer@johnston.k12.ia.us">jjminer@johnston.k12.ia.us</a>	
<b>Newton Community School District</b>	Fledge Innovator, a partnership between the high school, businesses and the community, provides authentic projects for students to work collaboratively on site or at the new NHS STEM Innovation Center called "The Incubator." The course supports STEM initiatives and follows the University of Iowa's STEM Engineering or Biz Innovator Curriculums.
Awarded in 2017 Contact: Bill Peters, High School Principal, at <a href="mailto:petersb@newtoncsd.org">petersb@newtoncsd.org</a>	
<b>North Polk Community School District</b>	By incorporating upgrades in CAD software will allow for the opportunity to intentionally collaborate with career-connected learning, project-based learning and work-based learning experiences with businesses.
Awarded in 2024 Contact: Hunter Fleshner <a href="mailto:hunter.fleshner@northpolk.org">hunter.fleshner@northpolk.org</a>	

<p><b>Pella Community School District</b></p> <p>Awarded in 2023, 2022, 2021, 2020  Contact: Lowell Ernst at <a href="mailto:lowell.ernst@pellaschools.org">lowell.ernst@pellaschools.org</a> and Teri Vos at <a href="mailto:vost@central.edu">vost@central.edu</a></p>	<p>WorkSMART Connector guides K-12 students from career awareness through career experiences and into local careers. Modules were identified based on in-demand careers in Marion County, including technology, hospitality, patient care and early childhood education. A new automation cell in advanced manufacturing will provide opportunities to work in teams to understand the inputs and outputs of an automated system. The automation cell provides learning competencies which are key to the Industrial Technology program and Engineering Assistant Apprenticeship.</p>
<p><b>Southeast Warren Community School District</b></p> <p>Awarded in 2024  Contact: Alex Rodgers at <a href="mailto:alex.rodgers@se-warren.k12.ia.us">alex.rodgers@se-warren.k12.ia.us</a></p>	<p>The Animal Learning Center will focus on advanced cattle production, specifically feed efficiency and record keeping by upgrading a cattle barn. Additional space will provide the potential to partner with local 4-H clubs and students outside of the program</p>
<p><b>Waukee APEX</b></p> <p>Awarded in 2022 and 2016  Contact: Michelle Hill, Director, at <a href="mailto:mhill@waukeeschools.org">mhill@waukeeschools.org</a></p>	<p>Waukee Aspiring Professional Experience (APEX) develops highly skilled, adaptable global innovators and leaders. Waukee APEX draws on the expertise of area business partners to bring passion-based learning and authentic experience to high school. Students add value to partners while exploring career possibilities identified by economic trends within the metro area and state. Students gain valuable experience, earn credentials and college credits, and connect to community business partners.</p>
<p><b>West Des Moines Community School District</b></p> <p>Awarded in 2022 and 2019  Contact: Jim Martin at <a href="mailto:martinja@wdmcs.org">martinja@wdmcs.org</a></p>	<p>Equipment was added to the manufacturing lab, including the HAAS Lathe and Wireless Probe. These additions will help build classroom hours and skill development towards apprenticeship agreements with partners for welding, computer integrated manufacturing, and beyond.</p>
<p><b>Winterset Community School District</b></p> <p>Awarded in 2024  Contact: Cam Smith at <a href="mailto:csmith@winterset.k12.ia.us">csmith@winterset.k12.ia.us</a></p>	<p>Create pathways for students within the healthcare field and to expose students to the variety of healthcare careers with the addition of an Anatomage Table to be used in Health Science Program, Biology, Human Body, College Biology and Genetics, and College Anatomy and Physiology classes.</p>

**Southeast STEM Region:**

<p><b>Anamosa Community School District</b></p> <p>Awarded in 2023  Contact: Darren Hanna at <a href="mailto:dhanna@anamosa.k12.ia.us">dhanna@anamosa.k12.ia.us</a></p>	<p>Teachers will engage in quality professional development in conjunction with community partners to offer authentic learning experiences in existing classrooms like geometry in Construction and AMPED, Algebra, Manufacturing, Processes and Entrepreneurship &amp; Design.</p>
<p><b>Assumption High School in Davenport</b></p> <p>Awarded in 2016  Contact: Andrew Craig, President, at <a href="mailto:andy.craig@assumptionhigh.org">andy.craig@assumptionhigh.org</a></p>	<p>The school works with Victory Enterprises to develop a Virtual Reality STEM Career Exploration program for students that introduces them to STEM careers in Iowa and across the U.S.</p>

<p><b>Belle Plaine Community School District</b></p> <p>Awarded in 2018  Contact: Frank Jowitt at <a href="mailto:fjowitt@belle-plaine.k12.ia.us">fjowitt@belle-plaine.k12.ia.us</a></p>	<p>A comprehensive (non-profit) manufacturing/production or “makerspace” facility in the STEM Lab is offered for students to create projects and artifacts. The formation of “BP - R.O.C.K.S.” (Recognizing Opportunity from Commercial Knowledge and Skills) program provides an enhanced and more in-depth after-school option focused primarily on local business and industry needs. Students are engaged in training and education with local businesses, community partners and post-secondary institutions.</p>
<p><b>Bettendorf Community School District</b></p> <p>Awarded in 2022, 2014  Contact: Haleigh Hoyt at <a href="mailto:hhoyt@bettendorf.k12.ia.us">hhoyt@bettendorf.k12.ia.us</a></p>	<p>With Eastern Iowa Community College and local health care providers, students will be placed in actual field experiences that will hone their skills in working with patients while working towards required hours for their CNA certificate.</p>
<p><b>Burlington Community School District</b></p> <p>Awarded in 2022  Contact: Brian Johnson at <a href="mailto:brian.johnson@bcsds.org">brian.johnson@bcsds.org</a></p>	<p>Burlington Community High School has partnered with Southeastern Community College, along with area health care providers such as Great River Health to expand work based learning opportunities for BHS Health Occupation students. This includes updating and expanding the health occupation lab for a real “on the job experience” for students. This has also better prepared our students for when they participate in WBL programs, so that they have a better understanding of the experience.</p>
<p><b>Cedar Rapids Community School District (Metro High School)</b></p> <p>Awarded in 2023, 2022, 2021  Contact: Chuck Tonelli at <a href="mailto:mtonelli@crschools.us">mtonelli@crschools.us</a>  Shannon Ellis, <a href="mailto:sellis@crschools.us">sellis@crschools.us</a>  Matt Secl, <a href="mailto:msecl@crschools.us">msecl@crschools.us</a></p>	<p>METRO STEAM academy is a cross-curricular, project based, community centered, employability focused, personalized learning program within METRO High School. Students have several project options they can work on to earn credits towards graduation. Past projects have varied greatly and have included small business projects, museum exhibits, pure science investigations, community events planning, networking, marketing, outreach, and many others. The STEAM Academy works with organizations and community members to provide projects, mentorship, and learning experiences for our students. cross-curricular learning space offers a farm-to-table nutrition/health program, an entrepreneurship outlet and a culinary arts workforce development.</p>
<p><b>Cedar Rapids Community School District (Thomas Jefferson H.S.)</b></p> <p>Awarded in 2021  Contact: Charlie Goetzinger at <a href="mailto:cgoetzinger@crschools.us">cgoetzinger@crschools.us</a></p>	<p>BlendED Academy is a 9th/10th grade school within a school program that aims to provide relevant experiences through community-based initiatives once students demonstrate proficiency. The program teaches core classes in a cohort-style seminar schedule which allows the students to demonstrate proficiency on content standards, provide targeted intervention for those not proficient, and authentic enrichment for those who are. This enrichment consists of partnerships with community members to engage our students in experiences that align with their passions.</p>

<p><b>Cedar Rapids Community School District (City View H.S.)</b></p> <p>Awarded in 2023  Contact: Dan DeVore at <a href="mailto:ddevore@crschool.us">ddevore@crschool.us</a></p>	<p>City View Community High School is a new Magnet HS in the Cedar Rapids CSD slated to open in 2023. City View's theme is "community" and the goal of City View is to create a learner-centered school that engages students in and with their community. This will be done through job shadows, internships, business, non-profit, and government projects much like Iowa BIG, and mentorships.</p>
<p><b>Center Point-Urbana School District</b></p> <p>Awarded in 2024  Contact: Andrew Kringle at <a href="mailto:akringle@cpuschools.org">akringle@cpuschools.org</a></p>	<p>Program will procure cutting-edge CNC machinery to empower students to delve into precision manufacturing techniques. Students will gain proficiency in programming, operating and troubleshooting CNC systems, preparing them for high-demand careers in manufacturing and engineering</p>
<p><b>Central Dewitt Community School District</b></p> <p>Awarded in 2023  Contact: Jen Vance at <a href="mailto:jen.vance@cd-csd.org">jen.vance@cd-csd.org</a>  Alisa Sage at <a href="mailto:alisa.sage@cd-csd.org">alisa.sage@cd-csd.org</a></p>	<p>Community partners work in collaboration with staff to create a food truck with student opportunities for learning about food production, food preparation, delivery, budgeting and marketing for a small business.</p>
<p><b>Central Lee Community School District</b></p> <p>Awarded in 2023  Contact: Angie Fransk at <a href="mailto:afransk@centrallee.org">afransk@centrallee.org</a></p>	<p>A science lab will incorporate industry grade chemical and biology vent hoods to replicate industry grade laboratories. Community partners will provide job shadow opportunities and hands-on experience.</p>
<p><b>Clinton Community School District</b></p> <p>Awarded in 2021  Contact: Matthew Tobin at <a href="mailto:matt.tobin@csdkq.org">matt.tobin@csdkq.org</a></p>	<p>A partnership with Keep Iowa Beautiful and Downtown Clinton Alliance to rebuild mural programs and provide professional development for staff to further develop project-based learning experiences.</p>
<p><b>College Community School District</b></p> <p>Awarded in 2023  Contact: Amber Osterkamp at <a href="mailto:aosterkamp@crprairie.org">aosterkamp@crprairie.org</a>  Douglas Wheeler, Ph.D.  Superintendent of Schools  <a href="mailto:dwheeler@crprairie.org">dwheeler@crprairie.org</a></p>	<p>An Anatomage Table has been added to the District's career and readiness program. The table offers a technologically advanced 3D anatomy visualization and virtual dissection tool. The table is currently being used by students in our Biology courses, Anatomy &amp; Physiology, and Animal Science. We will be working with community partners to provide feedback to students through the use of the table to help them explore different career areas that are of interest to them.</p>
<p><b>Davenport Community Schools</b></p> <p>Awarded in 2022  Contact: Alene Vandermyde at <a href="mailto:vandermydea@davenport.k12.ia.us">vandermydea@davenport.k12.ia.us</a></p>	<p>Central, North and West High Schools will expand access to the Information Solutions/Computer Science pathway with improving technology and equipment required to expand programming as well as increase course and co-curricular offerings for robotics, software development and hardware maintenance. The district will work with our industry partners and advisory council to provide the professional development and support required to implement the programming.</p>

<p><b>Davenport West High School</b>  Awarded in 2023, 2017, 2015  Contact: Greg Smith at <a href="mailto:smithgr@davenportschools.org">smithgr@davenportschools.org</a> and Alene Vandermyde at <a href="mailto:vandermydea@davenport.k12.ia.us">vandermydea@davenport.k12.ia.us</a></p>	<p>The Advanced Manufacturing program partners with local businesses such as MA Ford, Arconic, John Deere, McLaughlin Body Company, to immerse high school students in the business environment and experience advanced manufacturing in their community.</p> <p>Davenport West High School has four CNC machines purchased in collaboration with HAAS. Using this equipment, students collaborate with local businesses to learn CNC programming and operating. From this pathway, students go on to a high school registered apprenticeship program, embedding them into our industry partners workforce.</p>
<p><b>Fort Madison Community High School</b>  Awarded in 2016, 2022  Contact: Amy Wehrle at <a href="mailto:amy.wehrle@fmcasd.org">amy.wehrle@fmcasd.org</a>  Kim Harmon at <a href="mailto:kim.harmon@fmcasd.org">kim.harmon@fmcasd.org</a></p>	<p>The three Lee County school districts (Central Lee, Ft. Madison and Keokuk) are partnering with economic development partners, local business and industry, and trade unions, in addition to post-secondary institutions to increase access and awareness of the career opportunities in STEM fields.</p>
<p><b>Iowa BIG (Cedar Rapids/College Community)</b>  Awarded in 2014  Contact: Megan Swanson at <a href="mailto:mswanson@iowabig.org">mswanson@iowabig.org</a></p>	<p>Iowa BIG is a high school program that allows students to earn core academic credit through project-based learning. Students experience the community and learn in real-time by working with a variety of partners from business, nonprofit and government agencies.</p>
<p><b>Iowa City Community School District</b>  Awarded in 2017  Contact: Matt Degner, Assistant Superintendent, at <a href="mailto:degner.matt@iowacityschools.org">degner.matt@iowacityschools.org</a></p>	<p>We have implemented the STEM Innovator program through the University of Iowa into our business and science courses.</p>
<p><b>Keokuk Community School District</b>  Awarded in 2022, 2021 and 2018  Contact: Nathan Harrison @ <a href="mailto:nathan.harrison@keokukschools.org">nathan.harrison@keokukschools.org</a>  Natalie Ulloa <a href="mailto:natalie.ulloa@keokukschools.org">natalie.ulloa@keokukschools.org</a></p>	<p>Keokuk and Fort Madison high schools partnered with business and industry and economic development groups to create a regional career exploration center. The center provides students expanded opportunities in different career strands to build on the CTE courses currently offered at the high schools.</p>
<p><b>Linn-Mar Community School District</b>  Awarded in 2021  Contact: Mark Hutcheson at <a href="mailto:mhutcheson@linnmar.k12.ia.us">mhutcheson@linnmar.k12.ia.us</a>  Elyssa McDowell, <a href="mailto:elyssa.mcdowell@linnmar.k12.ia.us">elyssa.mcdowell@linnmar.k12.ia.us</a></p>	<p>Venture Academics, located at Linn-Mar High School in Marion, IA, is a project-based learning initiative. It enriches traditional learning by integrating STEM processes into project work. Through Venture, students not only acquire foundational knowledge but also apply it to real-world issues, fostering crucial 21st-century skills such as critical thinking, creativity, time management, and collaboration. This program actively collaborates with local businesses and professionals, providing students valuable exposure to diverse knowledge and potential career paths.</p>

<p><b>Marion High School, Marion Community School District</b></p> <p>Award in 2024  Contact: Gretchen Kriegel at <a href="mailto:gkriegel@marion-isd.org">gkriegel@marion-isd.org</a></p>	<p>Develop and enhance the implementation of AMPED (Algebra, Manufacturing, Production, Entrepreneurship, and Design) in Algebra and Geometry in Construction (GIC) courses at Marion High School through community partnerships.</p>
<p><b>Marion Intermediate School, Marion Community School District</b></p> <p>Award in 2024  Contact: Peggy Murphy at <a href="mailto:pmurphy@marion-isd.org">pmurphy@marion-isd.org</a></p>	<p>Francis Marion Intermediate School will partner with the Marion Economic Development Corporation and Grant Wood Area Education Agency to help diverse young learners grow awareness of future high-demand careers impacted by computer science in the community and grow their identity as computer scientists.</p>
<p><b>Mount Vernon Community School District</b></p> <p>Award in 2022  Contact: Susannah Maddock at <a href="mailto:smaddock@mvcasd.org">smaddock@mvcasd.org</a> or Jessica Fitzgerald <a href="mailto:jfitzgerald@mvcasd.org">jfitzgerald@mvcasd.org</a></p>	<p>Students in manufacturing, advanced materials processing and construction technologies courses, along with middle and elementary school students, under the direction of their teachers, designed and renovated a discontinued school bus into a state-of-the-art enrichment classroom! <a href="#">KWWL News, CR Gazette</a></p>
<p><b>Muscatine Community School District</b></p> <p>Award in 2023, 2022, 2020, 2017, 2016  Contact: Brandon Welsch at <a href="mailto:brandon.welsch@mcsdonline.org">brandon.welsch@mcsdonline.org</a></p>	<p>Muscatine High School's Work Based Learning program provides students with experiences to explore, prepare and train in a career area of their interest. These experiences can include things such as job shadows, site visits, cooperative learning projects, internships and apprenticeships.</p>
<p><b>New London Community School District</b></p> <p>Awarded in 2023  Contact: Chad Wahls <a href="mailto:chad.wahls@nlcsd.org">chad.wahls@nlcsd.org</a>  Matt May, <a href="mailto:matt.may@nlcsd.org">matt.may@nlcsd.org</a>  Allison Lair, <a href="mailto:allison.lair@nlcsd.org">allison.lair@nlcsd.org</a>  Jessica Boyer, <a href="mailto:jessica.boyer@nlcsd.org">jessica.boyer@nlcsd.org</a></p>	<p>The New London Community School District's main goal is to help students reach their best future. In order to do that, we've embraced technical training along with our college and career path.</p>
<p><b>North Scott Community School District</b></p> <p>Awarded in 2024  Contact: Katie Hoyt at <a href="mailto:katie.hoyt@north-scott.k12.ia.us">katie.hoyt@north-scott.k12.ia.us</a></p>	<p>Create a Quality Pre-Apprenticeship for pathways into residential, commercial and industrial electrical trades that will include careers in residential/commercial/industrial electrical, electrical automation and controls, maintenance electrical, lineman, communications and more.</p>
<p><b>Northeast Community School District</b></p> <p>Awarded 2022, 2014  Contact: Jennifer Huling, Principal, <a href="mailto:Jennifer.huling@northeastcsd.org">Jennifer.huling@northeastcsd.org</a></p>	<p>An innovative, problem solving and discovery-based environment for students, created in partnership with Lyondell Bassell, that focuses on authentic, real-world problems through the infusion of technology and curriculum and a second HD award created a partnership with Twin State Technical Services that offers student internships, the re-outfitting of a computer lab and STEM room, and building opportunities in computer science</p>



<b>Pleasant Valley Community School District</b> Awarded 2022 Contact: Grant Housman <a href="mailto:housmangrant@pleasval.org">housmangrant@pleasval.org</a> Bernadette Brustkern at <a href="mailto:brustkernbernie@pleasval.org">brustkernbernie@pleasval.org</a>	Pleasant Valley Community School District will update existing classroom and coursework to provide an introductory course in CNC Machining. Students successfully completing the introductory courses can take advanced course work on the SCC campus where they can complete an industry recognized CNC Machine Operator Certificate. We have three students who have completed or are active in a registered apprenticeship at Arconic. There is even more demand for this program now than when we originally submitted as expressed by area businesses.
<b>Van Buren Community School District</b> Awarded in 2023 Contact: Jessie Greiner at <a href="mailto:jessie.greiner@van-burencsd.org">jessie.greiner@van-burencsd.org</a>	VBCO Print Shop A print shop ran by students. Students meet with community business partners or Van Buren County School personnel to design graphics, measure spaces, print designs and install graphics to help beautify the community.

**Southwest STEM Region:**

<b>Atlantic Community School District</b> Awarded in 2017 Contact: Eric Miller <a href="mailto:emiller@atlanticiaschools.org">emiller@atlanticiaschools.org</a> Alyssa Dovenspike <a href="mailto:adovenspike@atlanticiaschools.org">adovenspike@atlanticiaschools.org</a> Heather McKay <a href="mailto:hmckay@atlanticiaschools.org">hmckay@atlanticiaschools.org</a>	An apprenticeship approach to the welding trades. Business partners provide support and expertise (Master Licensed welders) as they create and implement a robust welding apprenticeship program.
<b>Boyer Valley Community School District</b> Awarded in 2022 Contact: Rebekah Gross at <a href="mailto:Rebekah.gross@boyervalley.org">Rebekah.gross@boyervalley.org</a> Scott Frohlich at <a href="mailto:sfrohlich@boyervalley.org">sfrohlich@boyervalley.org</a>	The Boyer Valley Community School District will create an elementary maker space that provides for STEM projects and activities that allows students to get hands-on experience in all HD fields, including field trips to major business partners that focus on manufacturing, computer science and health.
<b>CAM Community School District</b> Awarded in 2021 and 2018 Contact: Barry Bower <a href="mailto:bbower@cam.k12.ia.us">bbower@cam.k12.ia.us</a>	Students explore entrepreneurship by planning and opening a student-run storefront collaboratively with community partners. They sell student-made projects which are created in CTE, industrial arts, plasma cutter and small-business classes.
<b>Coon Rapids-Bayard Community School District</b> Awarded in 2023 Contact: Kelly Sigler at <a href="mailto:kelly.sigler@crbcrusaders.org">kelly.sigler@crbcrusaders.org</a> Anne Pudenz at <a href="mailto:anne.pudenz@crbcrusaders.org">anne.pudenz@crbcrusaders.org</a>	A school-based enterprise will be launched where students will design, create and market their products to school, students and the community. Local small businesses will mentor the students and provide classroom speakers, job shadowing and facilities access.

<b>Council Bluffs Community School District</b>	Adding three College and Career Exploratory Labs to serve students in 6th-8th grades. Designed to provide content knowledge and hands-on exploratory opportunities to assist students in determining their potential interests and strengths within a range of career pathways, many of which fall within STEM fields.
Awarded in 2024 Contact: Tracy Matthews at <a href="mailto:tmathews@cbcsd.org">tmathews@cbcsd.org</a>	
<b>Creston Community School District - Elementary School</b>	The Creston ECC program connects STEM-focused instruction with thematic activities and curriculum. An Innovation Zone includes retail centers, medical play centers, the problem stop where critical thinking is used and sensory activities including art, music and design.
Awarded in 2021 Contact: Callie Anderson at <a href="mailto:canderson@crestonschools.org">canderson@crestonschools.org</a>	
<b>Creston Community School District - Middle School</b>	STEM learning opportunities for middle school students beginning career exploration. Projects include Future Fest/STEM Fair, Digital Student Portfolio and Lunch and Learn opportunities.
Award in 2021 Contact: Kimberly Fourez at <a href="mailto:kfourez@crestonschools.org">kfourez@crestonschools.org</a>	
<b>Creston Community School District - Secondary</b>	Secondary students who receive special education services will gain employability skills, have the opportunity to explore future career pathways and receive support to be successful in the workplace. A Job Olympics will be developed where industry leaders are invited to observe the students demonstrating their current level of proficiency towards the identified employability skills.
Awarded in 2023 Contact: Callie Anderson at <a href="mailto:canderson@crestonschools.org">canderson@crestonschools.org</a>	
<b>Earlham Community School District</b>	Building a systemic K-12 STEM experience through intentional curriculum redesign. Current opportunities for students include a STEM embedded into Kindergarten instruction and classroom design, a K-12 MakerSpace, a K-8 STEM Family Night, STEM elective courses for grades 6-8, and collaboration with local STEM professionals to provide career-connected learning opportunities for students and families.
Awarded in 2023 and 2021 Contact: Kristin Sheffield at <a href="mailto:ksheffield@ecsdcards.com">ksheffield@ecsdcards.com</a>	
<b>East Mills Community School District</b>	The East Mills School District will team up with regional school districts, business partners, and educational partners to create a regional career and technical education center, alongside launching a Farm to Table initiative featuring school gardens, greenhouses, and compost programs.
Awarded in 2023 Contact: Kattie Lewis at <a href="mailto:klewis@emschools.org">klewis@emschools.org</a>	
<b>East Union Community School District</b>	The district will develop a fully equipped, functioning maker space that will include the use of maker projects, coding products and a 3-D printer. This will support upper grade level partners by offering students hands-on work with the equipment at an earlier age.
Awarded in 2023 Contact: Marcus Patten at <a href="mailto:mpatten@eastunionschools.org">mpatten@eastunionschools.org</a> Joan Gordon <a href="mailto:jgordon@eastunionschools.org">jgordon@eastunionschools.org</a>	

<b>Griswold Community School District</b>	<p>Work-based learning opportunities for students to develop future job skills by partnering with businesses on authentic projects. With state-of-the-art resources, students gain high demand technical skills, including social media design and management, programming, video production and editing, broadcasting, creation of content for electronic information monitors, and advertising. A drone training program is utilized by both the Communication Arts department for media production as well as the Agriculture department for crop mapping.</p>
<p>Awarded in 2023 and 2019  Contact: Sandy Nelson at <a href="mailto:snelson@griswoldschools.org">snelson@griswoldschools.org</a>  Brianna McCollum at <a href="mailto:bmccollum@griswoldschools.org">bmccollum@griswoldschools.org</a>  Jackie Brokaw at <a href="mailto:jbrokaw@griswoldschools.org">jbrokaw@griswoldschools.org</a></p>	
<b>Harlan Community School District</b>	<p>STEM teachers will explore successful STEM schools in Iowa and collaborate with local community partners to establish a STEM program. The program will provide learning spaces that expose students to careers and help with the transition out of high school.</p>
<p>Awarded in 2023  Contact: Steve Sauvain at <a href="mailto:steve.sauvain@hcsdyclones.com">steve.sauvain@hcsdyclones.com</a></p>	
<b>IKM-Manning Community School District</b>	<p>Spark is our middle school student-run business, offering a variety of services to teachers &amp; community members, including poster printing, lamination, and specialty projects. Every 7th&amp;8th grade student has the opportunity to participate in Spark each year completing class projects and creating one holiday-themed project. They also organize a pop-up sale to showcase and sell their items. In Spark, we focus on three main objectives: Foster entrepreneurship and teach career-ready skills. Provide hands-on learning through teamwork and collaboration. Learn key aspects of running a small business.</p>
<p>Awarded in 2016 &amp; 2017  Middle School Contact: Jenny Linde at <a href="mailto:jlinde@ikm-manning.k12.ia.us">jlinde@ikm-manning.k12.ia.us</a></p>	
<b>IKM-Manning Community School District</b>	<p>FIRE (Finding Innovative Reasons to Excel) is a student-led business focusing on vinyl printing &amp; laser engraving. Associates will utilize soft skills used in real-world business and focus on 21st Century Employability Skills while completing paid jobs. EVERYDAY IS A DIFFERENT DAY WITH NEW CHALLENGES</p>
<p>Awarded in 2016 &amp; 2017  High School Contact: LuAnn Langel at <a href="mailto:llangel@ikm-manning.k12.ia.us">llangel@ikm-manning.k12.ia.us</a>  Kevin Lahndorf  <a href="mailto:klahndorf@ikm-manning.k12.ia.us">klahndorf@ikm-manning.k12.ia.us</a></p>	
<b>Lewis Central Community School District</b>	<p>Our program combines teaching students about plastic recycling and plastic manufacturing to reduce plastic waste. We use pneumatic injection machines to make most products. The club uses CAD and CAM to design and cut aluminum molds with our CNC machine and students in the 6th grade design and resin print inserts for the molds. A 7th grade class makes keychains from recycled plastic. We have developed a method for turning plastic bags into solid sheets that can be vacuum formed or melted and molded into products. We use an extrusion machine that can make plastic lumber to build larger objects.</p>
<p>Awarded in 2024, 2022 and 2020  Contact: Dustan Kern at <a href="mailto:dkern@lewiscentral.org">dkern@lewiscentral.org</a></p>	
<b>Logan-Magnolia Community School District</b>	<p>Expand the existing greenhouse to allow for the diversification of Big Cat Industries, a cross curricular, student-led business program. At the completion of implementing the project, there will be five content areas included: Science, Industrial Technology, Business &amp; Marketing, Culinary Science and MultiMedia. Marketing, Culinary Science and MultiMedia. Culinary Science and MultiMedia.</p>
<p>Awarded in 2024  Contact: Kenneth Killpack at <a href="mailto:gkillpack@lomaschools.org">gkillpack@lomaschools.org</a></p>	

<b>Orient-Macksburg Community School District</b>	A Geometry in Construction course that meshes required core concepts with authentic construction experience.
Awarded in 2023 Contact: Connie Terry at <a href="mailto:connie.terry@o-mschools.org">connie.terry@o-mschools.org</a>	Community partners will provide projects for students to apply geometry knowledge and practice construction skills for real world projects for the public good.
<b>Red Oak Community School District</b>	Structured opportunities for career-focused learning to be achieved through planning & reflection activities, authentic learning activities and competency growth-focused projects, both within the school walls and in supervised workplace environments.
Awarded in 2024 Contact: Janelle Erickson at <a href="mailto:ericksonj@redoakschools.org">ericksonj@redoakschools.org</a>	
<b>Riverside Community School District</b>	RSTN provides online streams of all home events for Riverside Community Schools. We work with local businesses to create ads to play during breaks in the activities and also with KJAN on sports broadcasting of the events.
Awarded in 2021 Contact: Jamie Meek at <a href="mailto:jmeek@riverside.k12.ia.us">jmeek@riverside.k12.ia.us</a>	
<b>Saint Albert Catholic Schools</b>	A mobile STEM Lab where teachers will be able to check out materials to implement the building of robots, coding and computational thinking into their curriculum. Components include Elem. and MS robotic teams, 3rd grade coding, and 8th grade exploratory coding course, and Ozobots unit in 8th grade.
Awarded in 2019 Contact: Jeremy Hulshizer at <a href="mailto:hulshizerj@saintalbertschools.org">hulshizerj@saintalbertschools.org</a>	
<b>Southwest Valley Middle School of Villisca</b>	Career Stop will offer a learning space where area businesses can come in to teach students skills they use on the job. Teachers and businesses will work together to create curriculum units that integrate entrepreneur and apprenticeship skills and hands-on learning for students.
Awarded in 2017 Contact: Erin Wetzel at <a href="mailto:ewetzel@southwestvalley.org">ewetzel@southwestvalley.org</a>	
<b>Stanton Community School District</b>	We have 7 community partners. Broad Goals/Strategies:
Awarded in 2019 Contact: Jeff Grebin at <a href="mailto:jgrebin@stantonschools.com">jgrebin@stantonschools.com</a> Katie Elwood at <a href="mailto:kelwood@stantonschools.com">kelwood@stantonschools.com</a>	<ul style="list-style-type: none"> <li>● Excite, motivate, and develop student employability skills through work-based learning experiences</li> <li>● Students &amp; facilitators will work together with professional business partners, the latest equipment and software</li> <li>● Communication skills will be a major emphasis in working with our partners</li> <li>● Develop students' problem-solving skills and the ability to work with others on projects to completion</li> <li>● Provide financial assistance in acquiring hardware, software, and STEM training</li> </ul>
<b>Tri-Center Community School District</b>	Tri-Center Community School District will introduce students to career opportunities available in the medical field and provide hands-on experiences for those students who are interested in pursuing a career in the medical field through strong partnerships with local medical agencies.
Awarded in 2022 Contact: Jennifer McGee <a href="mailto:jmcgee@tctrojans.org">jmcgee@tctrojans.org</a>	

<p><b>Woodbine Community School District – IGNITE Pathways</b></p> <p>Awarded in 2023, 2022, 2021, 2020  Contact: Michelle Barry at <a href="mailto:mbarry@ignite-pathways.com">mbarry@ignite-pathways.com</a></p>	<p>IGNITE Pathways is designed for students to “learn by doing.” IGNITE provides hands-on experiences that will easily transition into post-graduation life and high-demand jobs. Exploration includes instruction modules for an automotive program, applied sciences, health sciences, human services, robotics and automation and exercise science courses. Introductory healthcare courses are also available for 7-12 grade students.</p>
<p><b>Woodbine Community School District – Elementary</b></p> <p>Awarded in 2022, 2021  Contact: Tracy Kelley at <a href="mailto:tkelley@woodbine.k12.ia.us">tkelley@woodbine.k12.ia.us</a>  Maureen Allen at <a href="mailto:mallen@woodbine.k12.ia.us">mallen@woodbine.k12.ia.us</a>  Jill Ridder at <a href="mailto:jridder@woodbine.k12.ia.us">jridder@woodbine.k12.ia.us</a>  Shawna Harris at <a href="mailto:atsharris@woodbine.k12.ia.us">atsharris@woodbine.k12.ia.us</a></p>	<p>Interest-based STEM activities are available for students in grades K-4. Students participate in four, 30 to 45-minute classes on a weekly basis with 16 career-oriented options.</p>