

Cross-Sector Collaboration Toward Awareness

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Iowa STEM School and Business Innovation Conference



You Will Learn About

Sector Boards

Partnerships with K-12's, Businesses and
Community Colleges

Collaboration Ideas

Future Ready Video

K-12 Partnerships
Business Partnerships
Community College Partnerships

Sector Boards

Objective of Sector Boards is to Serve Stakeholders through:

- Exchange of Information
- Implementation of Workforce Solutions
- Based on:

Shared Goals + Human Capital Needs

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Leading to Measurable Results

Sector Boards

Coordinated effort by NICC with critical and impactful connections with:

- Employers
- Educators
- Community Developers
- Regional Workforce Boards
- Local and State Organizations

Sector Board Objectives

- Increase job placements for high demand positions
- Decrease worker turnover
- Guide educators on career pathway curriculum
- Guide educators on credentials and skills needed for employment
- Increase number of credentials awarded to area employees
- Increase student engagement in high growth careers.



Sector Board Success Stories

CNC Lab
Career Academies
Project Lead The Way
Summer Camps

Cresco Sector Board Success Stories

CNC Lab



Career Academies

- Health Career Academy
 - Project Lead The Way
 - Welding Academy
 - Computer Science Academy
 - Auto Academy
 - Diesel Academy
 - Construction Academy
 - Advanced Manufacturing Academy
- 762 Students Enrolled District-wide
 - 150 Students in Cresco

Elevate Iowa Advanced Manufacturing

[Joe Decker | Decker Precision Machining, Peosta, Iowa](#)



- High school student
- Completed CNC Career Pathway Program three days before graduating from high school
- Employed making \$30,000 + right out of high school
- Credit program paid by business

Advice from TriMark

How to Partner:

- Open dialogue with your partners
- Continue to communicate – never stop
- Focus on communication with your community as a whole
- Business engaged and ask for help
- Embrace the other business industries in your community. Take a community approach to employees' families.

“Give community colleges a chance – test drive, build trust!” – Lynn Hopp

Business Involvement

- Tours
- Job Shadows
- Internships
- Mentorships
- Speaking Engagements
- Education Advisory Committees
- Work Experience
- Summer Camp – TriMark
- Scholarships for Students
- One-on-one career counseling, marketing careers in schools
- Advocate county, economic development, chamber meetings

Project Lead The Way

Courses:

- Computer Science/Software
- Introduction to Engineering
- Principles of Engineering
- Civil Engineering
- Digital Electronics
- Computer/Integrated Machining

Elevate Iowa Advanced Manufacturing:
[Mi-T-M | Northeast Iowa Community College Partner](#)

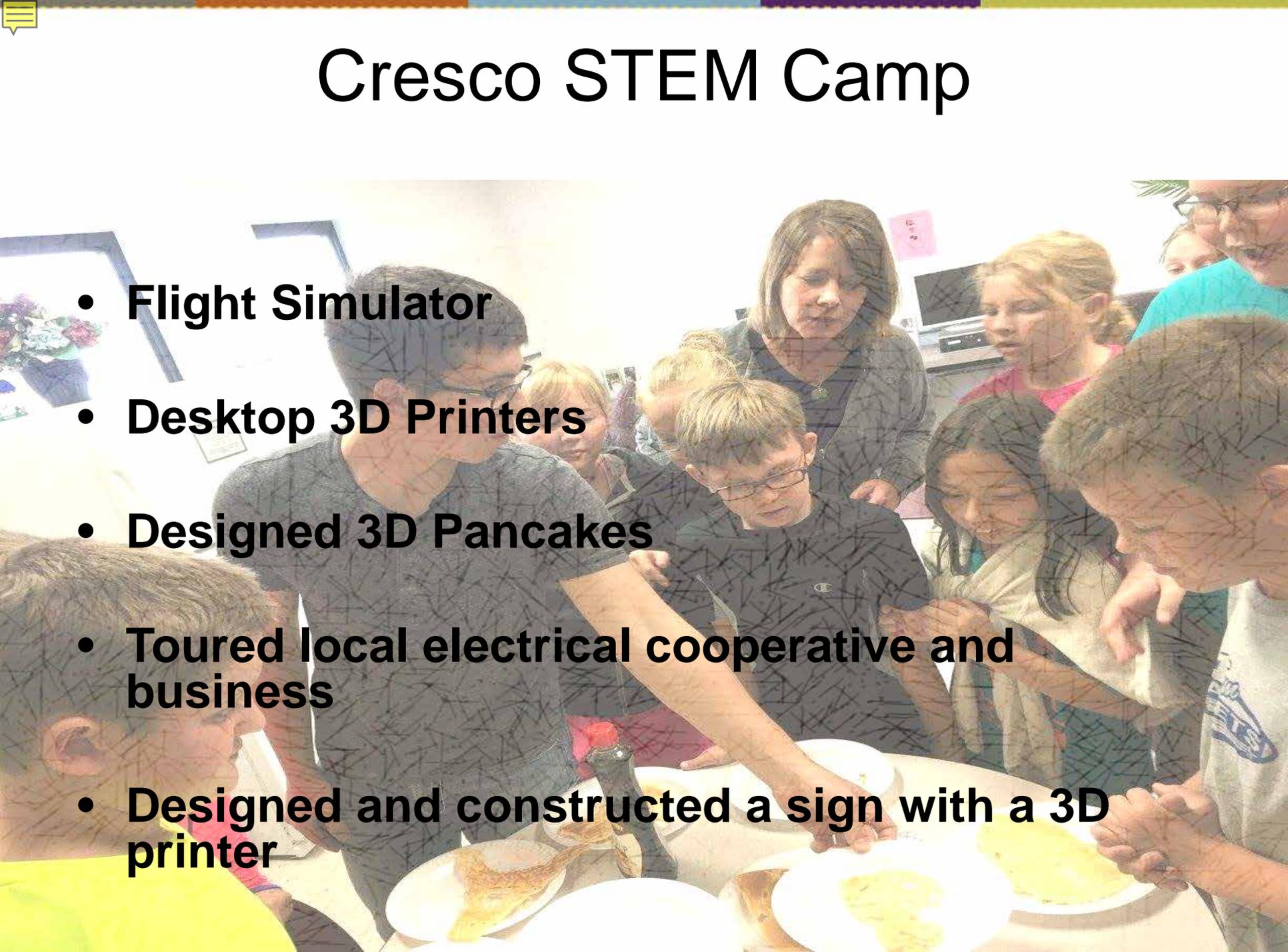
3D Printing
Design Prototype
Created New Jobs

Cresco STEM Camp

- **Be Your Own Boss Summer Day Camp**
- **STEM-based, entrepreneurial camps started four years ago, with curriculum assistance from UNI**
- **5th and 6th Grade Students**



Cresco STEM Camp

- **Flight Simulator**
 - **Desktop 3D Printers**
 - **Designed 3D Pancakes**
 - **Toured local electrical cooperative and business**
 - **Designed and constructed a sign with a 3D printer**
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Waukon STEAM Camp

- **STEAM Camp – Science, Technology, Engineering, Art & Math**
- **2nd Year STEAM Camp**
- **21 Students in 4th – 6th Grades**
- **Robotics - NASA - Science Concepts**

Northeast Iowa Family STEM Festival

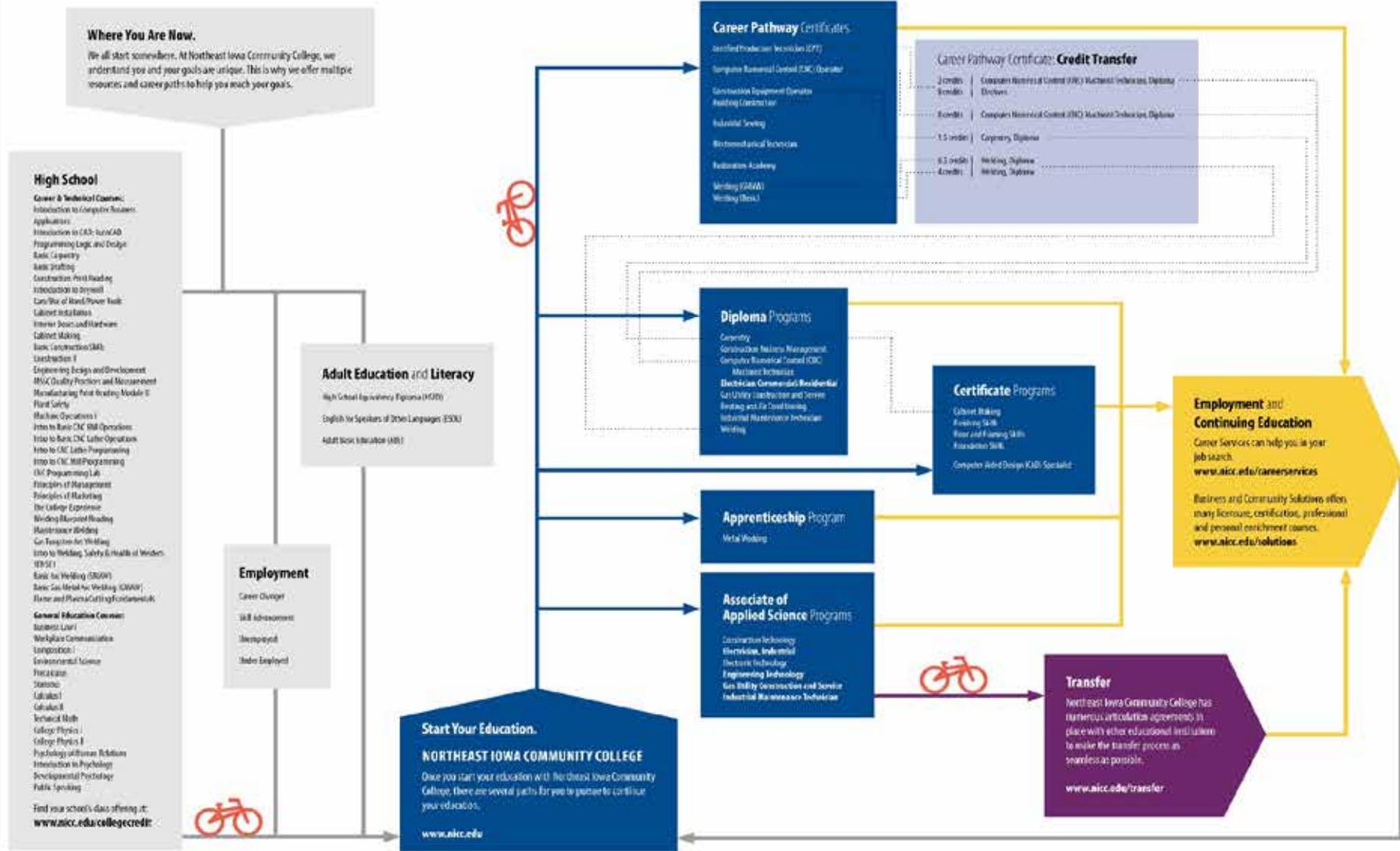


- **556 People Attended in Calmar**
- **25 Hands-on Exhibits**
- **47% Participants Ages 6-12**
- **36% Adults**

Career Learning Link

- 434 Students
- 257 Business Partners
- 226 Job Shadows
- 62 Business Tours
- 39 Businesses Presented at Career Fairs
- 22 School Districts
- Career Academies in High Schools
- Career Pathways – STEM, Business, Information Technology, Health and Advanced Manufacturing
- Job Shadows, Internships, Mentorships, Work Experience

Northeast Iowa Community College **STEM, Advanced Manufacturing** and **Construction Technology**



Elevate Iowa Advanced Manufacturing:
[Camso | Northeast Iowa Community College Partner](#)

Robotic Welding
Business Partnership
Customized Training/Learning

Thank You!

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Certificate Program Success

Six Step Process:

1. Orientation
2. Application
3. Assessment
4. Interviews
5. Education
6. Employment