



**A Clear Direction To Your **Future****  
**Youth Manufacturing Apprenticeship**

## STUDENTS MOVING FORWARD WITH BUSINESS

*"After working diligently with State of Minnesota and District 77 to bring YEAP to the Mankato area it is satisfying to see our apprentices engage and grow in their areas of interest. MTU Onsite Energy is excited to be paving the way and creating home grown talent for our local manufacturing industry."*

Todd Riemann, YEAP Sponsor, CEO/COO MTU Onsite Energy



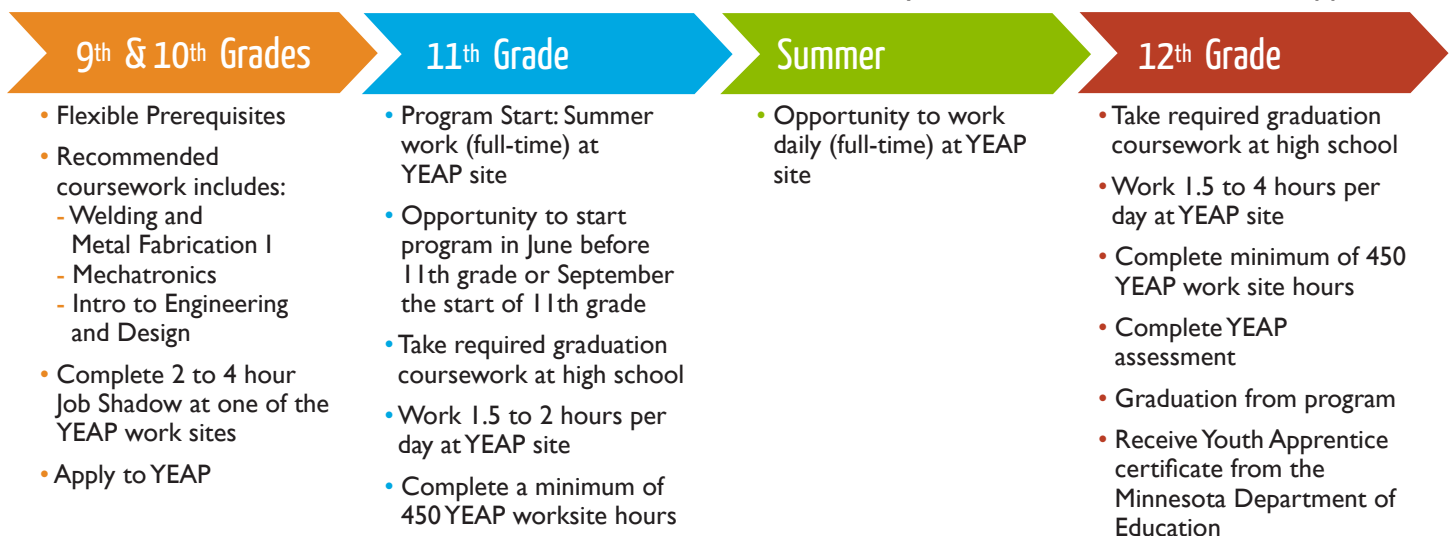
### YEAP STUDENTS WILL:

- Participate in a MN Dept. of Education Program
  - Supervised by an industry mentor
  - Supported by Work-Based Learning Coordinator
- Be prepared to successfully enter the workforce
- Learn using a hands-on approach
- Decide if they want to pursue a career in manufacturing
- Learn technical skills
- Gain in depth career experience
- Obtain skills and knowledge for postsecondary and career success



*"I believe that this program is one of the best things you can do for yourself. It's designed to give you hands on experience and an idea of what its like to work in industry. You will be taught a variety of skills and pursue every aspect of manufacturing. If your considering going into engineering or manufacturing, the YEAP program will give you a head start and give you a better idea of what you want to do."*

Kyle Hansen, Kato Cable Youth Apprentice







## YEAP MISSION

Provide a clear direction to future YEAP students. To encourage and build hands-on youth education within manufacturing. Offering high school students the opportunity to develop technical and career skills.

### PROGRAM FRAMEWORK:

- Flexible Prerequisite Coursework (Recommended): Welding and Metal Fabrication I, Intro to Engineering & Design, and Mechatronics
- Program open to incoming Juniors
- Complete YEAP Application, Group Activity and Interview
- Work and Learn = 2 Years = 900 hr program (450 hrs Junior year, 450 hrs Senior year)
- Exposure to Multiple Facets of the Industry and Worksite
- Worksite Developed Skill Standards
- Quarterly Career Skill Workshops
- Skilled Mentor Assigned to Coach and Train Student
- Performance Evaluation for Demonstrated Competencies
- State-issued Apprentice Certificate
- Optional International Manufacturing Certification
- Earn while you learn
- Optional International Certification

### BENEFITS TO STUDENTS:

- Earn \$ while you learn
- Enter the Advanced Manufacturing Career Pathway that can lead to college credit, industry certification, and career opportunities
- Industry certification opportunities
- Stackable credentials
- Power skills development
- Building strong technical skills
- STEM skills
- Networking
- Kickstart your career
- Growth opportunity
- Learn how to interact in a business environment
- Experience a variety of jobs

### STUDENT EXPECTATIONS:

- Maintain solid school performance
- Follow company policies and procedures
- Students work minimum required number of hours
- Learn
- Apply knowledge and skills from classroom and coach at work site
- Report to mentors at work site and school district on as needed basis
- Be responsible
- Learn and practice safety at the work site

### An Example of a Day in the Life of a YEAP Participant – Student in Junior Year

**8:00 AM:** Report to school to take required Economics course

**9:00 AM:** Take required Mathematics course

**10:00 AM:** Take required English course

**11:00 AM:** Take required Communications course

**12:00 PM:** Visit with friends and grab lunch off campus

**1:00 PM:** Report to work site and review working plan for the day with coach.

**1:30 PM:** Work with coach to read and understand technical drawings

**2:30 PM:** Work with coach to assemble product based on drawing and order specifications

**3:00 PM:** Meet with mentor to discuss overall progress, performance and plans for the future

**3:30 PM:** Head home for the day and finish homework

**6:00 PM:** Eat supper with family and share the day's experiences

**8:00 PM:** Take time to reflect about everything learned at school and work

*\*Student schedules will vary based upon individual graduation requirements.*

The Youth Employment Acceleration Program in manufacturing is a partnership between MTU Onsite Energy, Kato Cable, El Microcircuits, and Mankato Area Public Schools.

**MTU Onsite Energy**, part of Rolls-Royce Power Systems, is a leading producer of gas and diesel powered generator sets.



**El Microcircuits** serves the electronics industry with contract design and manufacturing of custom and standard SMT and PTH assemblies.



**Kato Cable** manufactures & produces custom cable and wire assemblies, wire harnesses and electro-mechanical assemblies.



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