



Manitowoc County High School Manufacturing Project



Project Mini-Chopper

Media Fact Sheet

Project Mission

Improve the image of manufacturing and help students, parents, educators and the community understand that manufacturing provides excellent career opportunities, which will help create a skilled and professional workforce to meet local manufacturing and economic needs...today and in the future.

Educational Benefits for Students

- ... learn hands-on design, project planning, engineering, fabrication and manufacturing skills through the construction of a mini-chopper
- ... earn both high school and college credits while having fun
- ... foster creative and critical thinking
- ... learn and apply creative problem solving methods and tools
- ... develop teamwork, collaboration, and leadership skills
- ... enhance and apply communication and presentation skills

Skills Learned

- | | | |
|----------------------|-------------------|--------------------------|
| ■ Mechanical Design | ■ Quality Control | ■ Time Management |
| ■ Welding | ■ Safety | ■ Problem Solving |
| ■ Painting | ■ Marketing | ■ Procurement |
| ■ Budget Management | ■ Public Speaking | ■ Information Technology |
| ■ Project Management | ■ Team Work | |

Potential Career Paths (to name a few...)

- | | | |
|--------------------------|-------------------|----------------------------|
| ■ Mechanical Engineer | ■ Welder | ■ Quality Engineer/Control |
| ■ Electrical Engineer | ■ Painter | ■ Business Management |
| ■ Manufacturing Engineer | ■ Machinist | ■ Safety Compliance |
| | ■ Project Manager | |

Community Benefits

- ... establishes relationship between schools, students and sponsoring manufacturers
- ... builds excitement for skilled manufacturing and professional careers in the community
- ... promotes public knowledge about technical and manufacturing careers available in Manitowoc County
- ... helps solve projected skilled and professional worker shortages for local companies
- ... addresses potential brain drain of graduating youth

The Future Workforce

- ... Wisconsin is the second most manufacturing-intensive state in the US
- ... due to massive impending baby boomer retirements, the manufacturing industry is facing a growing workforce shortage
- ... we need young adults to join the workforce that builds the products that we depend on for our local economy and way of life

Why participate in Project Mini-Chopper?

- ... learn about manufacturing careers and challenges
- ... gain teamwork, creativity, problem solving, project management, budgeting and presentation skills
- ... pave a pathway for higher education with possible internship opportunities with area companies
- ... experience real world issues and help develop solutions
- ... meet new people and build new friendships
- ... have FUN!

