

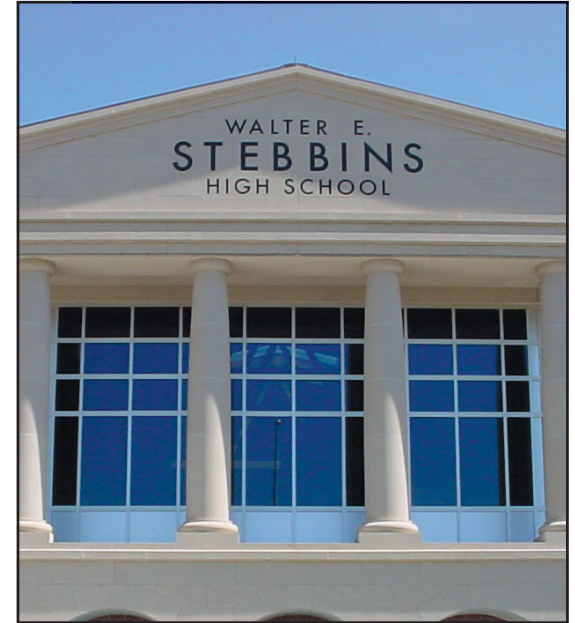
SkillsUSA

Students will participate in **SkillsUSA**, a national student organization serving more than 264,500 high school and college students enrolled in career-technical programs in technical, skilled and service occupations. **SkillsUSA** provides quality education experiences for students in leadership, teamwork, citizenship and character development and includes local, state, and national competitions in which students demonstrate occupational and leadership skills. **SkillsUSA** is endorsed by the U.S. Department of Education and state departments of education and is cited in federal legislation as an integral part of the technical curriculum.



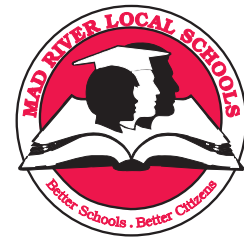
Walter E. Stebbins High School
1900 Harshman Road • Dayton, Ohio 45424

MANUFACTURING TECHNOLOGIES



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MANUFACTURING TECHNOLOGIES

Do you...

- Enjoy creating or designing things?
- Have good manual dexterity?
- Enjoy learning about and using new technology?
- Are you good at visualizing ideas?
- Enjoy creating or designing things?

If you answered yes to two or more of these questions, perhaps you would be a good candidate for the manufacturing technologies program. Imagine yourself in one of these jobs:

Career Fields:

- Production Worker
- Millwright
- Instrument control technician
- Electrical equipment installer
- Business machine repairer
- Quality control technician
- Instrument maker
- Sheet metal worker
- Industrial chemists
- Electrical engineer
- Robotics technologist
- Pattern/model maker
- Medical appliance
- Tool & die maker

Manufacturing Technologies

Manufacturing has changed. Highly trained, well-paid people design and run precision equipment that is used to produce some of America's most respected products.



You will find that there is high demand for qualified and trained people in the new world of high-tech manufacturing. Salaries will vary by company but can be in the \$30,000 plus range.

Program Overview

The Manufacturing Career-Technology course is a two-year program that is based on Ohio's manufacturing career-field content standards. Students will have an opportunity to earn high school and college-credit during the junior and senior year.

Junior Year

Students will be trained on industrial machinery that include horizontal cut-off saw, lathe, vertical mill and surface grinder. Students will study blueprint reading, use basic measuring tools, layout and inspection tools, and study machine tool operation.

Senior Year

During the senior year, students will be trained on CNC (computer-numeric controlled) equipment and work with the engineering program on computer-aided systems to create, assemble and produce products.

Students will demonstrate skill through the production, design, and operation of all of the tasks required to set-up and run a manufacturing plant, from industrial and manufacturing engineering, to process control technicians, to automated manufacturing.