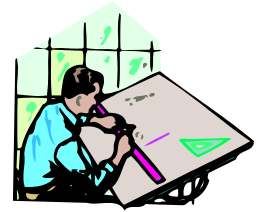


Mary Brockschmidt, CTE Director
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Learning Center Building
22000 Gibraltar Rd., Flat Rock, MI 48134

CAP SHEET

PROGRAM:

Engineering Drafting CAD

TEACHER: L. Yoas

SCHOOL: Flat Rock



Credits given in addition to regular CTE are:

- VPAA 1 Credit
- 4th Year Math Related 1 Credit

Articulation agreements and/or licensure opportunities are:

- Baker College
- Davenport University
- Henry Ford Community College
- Monroe County Community College

Prequisites for this program (including application processes if needed) are:

- Successful completion of Math class.
- Grade of C or better in Drafting I to move to Drafting II
- Instructor permission to move to Drafting II

**THIS PROGRAM OFFERS EXCELLENT CAREER OPPORTUNITIES FOR BOTH
MALE AND FEMALE STUDENTS.**

BRIEF DESCRIPTION OF THIS PROGRAM

This course is designed to accommodate the students prior experience level in Drafting and the use of CAD software. Entry level students begin learning industry standards using the manual drafting board. The students then learn how to use AutoCAD to create 2D drawings. Advanced level students then go on to create 3D drawings using AutoCAD, Inventor, and Solid-Works (all software is updated regularly to stay current with industry and colleges.) After becoming proficient with this software the students are then able to go on to create 3D animation using 3ds Max.

This program has college articulation agreements with Henry Ford CC, Monroe County CC, Wayne County CCD, Davenport University and Ferris State University.

SPECIAL FEATURES OF THIS PROGRAM

The students participate annually in the Michigan Industrial Technology Education Society (MITES) regional and state competition, and have taken field trips to various locations to see both manufacturing and construction projects. In addition we have been involved with community service projects that provide winter clothing and food for the needy along with purchasing Christmas presents for children.



DCTC

**Proud To Bring Career-Technical Education To Our Students At:
Airport, Flat Rock, Gibraltar-Carlson, Grosse Ile, Huron, Riverview,
Southgate-Anderson, Trenton and Woodhaven**

STATEMENT OF COMPLIANCE WITH FEDERAL LAW

The Downriver Career Technical Consortium complies with all Federal laws and regulations of the U.S. Department of Education. It is the policy of the Downriver Career Technical Consortium that no person on the basis of race, color, religion, national origin or ancestry, age, gender, height, weight, marital status, disability, or limited English proficiency shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to, discrimination in any program or activity to which it is responsible or for which it receives financial assistance from the U.S. Department of Education. Furthermore, the Consortium will encourage participation by all of the above.