

MACOMB COUNTY CTE ADVISORY COMMITTEE MEETING MINUTES

OCTOBER 27, 2010

Macomb Intermediate School District

ENGINEERING / MANUFACTURING AND INDUSTRIAL TECHNOLOGY PATHWAY

ARCHITECTURE & CONSTRUCTION

15.1301 Drafting & Design Technology

COMMITTEE MEMBERS PRESENT:

| | | |
|---------------------|--------------------------------------|--|
| Heather Wetzel | EDAG | wetz4975@gmail.com |
| Pamela Stephenson | General Motors Corporation | pamela.a.stephenson@gm.com |
| Melissa Todaro | Lake Shore High School | mtodaro@lsps.org |
| Robert Lipka | RLA Studio | robert@rlastudio.com |
| Evva Dossin | Romeo Engineering Tech Center | evva.dossin@romeo.k12.mi.us |
| Benjamin Stephenson | Student - Anchor Bay High School | abhsstephenson@gmail.com |
| Scott Altman | Sumitomo | saltman@sewsus.com |
| Randy Goddard | Universal Parametrics, Inc. | randy.goddard@parametrics.com |
| Melissa Chapman | Warren Career Prep Center | mchapman@wcskids.net |
| Jim Mandl | Warren Career Prep Center | jmandl@wcskid.net |
| Scott Zmija | Warren Cousino/Sterling Heights H.S. | szmija@wcskids.net |

B. How do you believe our secondary school curricula should address those issues ?

Response:

- Offer alternative energy courses
- Incorporate it in Pre-engineering curriculum
- Oakland and MCC offer alternative energy certificate programs
- Drafting / Engineering is not just automotive
- Change name of programs to emphasize engineering, product design, and emphasize diversity - not just automotive
- If you want a patent you must have a technical drawing
- Drafting numbers are on the rise - as high as ever
- Red tape and bureaucracy in the schools is difficult to get through - new programs

2. Post-Secondary (if Present):

What can our secondary programs do to provide a better connection to post-secondary programs?

Response:

- Articulated credits
- Know outcomes and objectives
- Assist with testing students so they can earn college credit without jumping thru hoops
- Infuse descriptive Geometry in basic drafting curriculum
- Be fluent in orthographic drawing
- Kids need to understand 2D (drafting) before they get CAD
- Never get rid of basic drafting class in college or H.S. - sections,
- Can't trust the computer - humans know if the drawing is correct or not
- Fundamental Drafting class is now a required at Warren Lincoln
- Communicate better - very important

3. Discretionary Question or Discussion:

- More engineering projects incorporated into curriculum - build things
- Use CAM equipment for at least one simple project
- Hands-on is important
- Teach kids to network

Meeting Adjourned: 8:00 pm

Respectfully Submitted, Scribe: Jim Mandl

MAKE PLANS NOW !!!

Next Regional Meeting MISD

OCTOBER 19, 2011

Time TBA