

MACOMB COUNTY CTE ADVISORY COMMITTEE MEETING MINUTES

OCTOBER 27, 2010

Macomb Intermediate School District

ENGINEERING / MANUFACTURING AND INDUSTRIAL TECHNOLOGY PATHWAY

MANUFACTURING

47.0101 Electrical / Electronic Equipment Installation and Repair General

48.0501 Machine Tool Operation / Machine Shop

48.0508 Welding, Brazing & Soldering

COMMITTEE MEMBERS PRESENT:

Chris Roberts	Applied Technology Systems	chriss@atsmich.com
Paul Agosta	Applied Technology Systems	paula@atsmich.com
Mike Wagner	Beaumont Hospital	mwagner@beaumont hospitals.com
Ron Schuchard	Continental Corporation	ronald.schuchard@continental-corporation.com
Isidoro Toppi	DTE Energy	midgetizy@yahoo.com
Brent Brasure	Fraser High School	brent.brasure@fraserk12.org
Matt Burns	Fraser High School	matthew.burns@fraserk12.org
Leo Slatin	Lincoln High School	slatin.leo@vdps.net
Arthur Knapp	Macomb Community College	knappa@macomb.edu
Keith Huck	Proper Group Intl	khuck@propergroupintl.com
Larry Vanderstelt	Proxair	l_vanderstelt@proxair.com
Dan Gardner	Romeo Engineering Tech Center	dan.gardner@Romeo.k12.mi.us
Guy Hart	Romeo Engineering Tech Center	guy.hart@romeo.k12.mi.us
Matthew Komarowski	Roseville High School	mkomarowski@roseville.k12.mi.us
Phil Mucka	Student - Fraser High School	pmmucka@yahoo.com

Adam Mucka	Student - Fraser High School	poker6812@aim.com
Richard Penberthy	Warren Career Prep Center	rpenbrethy@wckids.net
David Henderson	Warren Career Prep Center	dhenderson@wckids.net
Richard Swords	Warren Career Prep Center	rswords@wckids.net
Steven O'Green	Warren Cousino High School	ogreen@wckids.net

New Business: The evening began with Guest Keynote Speaker Kim Meltzer, State Representative for the 33rd District of Macomb County and Entrepreneur / co-owner of CAMmand Machining LLC, Romeo, Michigan.

She presented her “optimistic” view for all careers and pathways around Macomb County keeping in mind that she is coming from what all consider the most difficult career or pathway to recover from, Manufacturing. Dinner was served after her keynote address followed by our breakout session.

Breakout Session:

Welcome:	Facilitator:	Matt Burns
Meeting Called to Order:	Chairperson:	Isodore Toppi
Introductions:	Scribe:	Brent Brasure

Round table introductions by all present

1. Business Partner Question:

A. How have “Renewable Energy” issues (Sustainable and / or Green Technology) impacted your business endeavors?

Response:

- DTE involved in Wind/Sun energy... emphasis on wind farm in thumb of MI on land
- All areas represented use high quantities of energy
- Proper Group International changed lighting over to G8 to save energy (\$150k in manufacturing wing alone... expect to recoup cost in 2 ½ years) & attempted to pilot wind power

- Romeo is purposing "Alternative Energy" class
- CPC invested in ethanol refinery (\$15K) but enrollment was too low to sustain it
- Green construction & automatic systems are currently on the rise (Henry Ford Hospital)
- Are school's O&M looking at green technology? New construction seems to be headed that way (MOTION SENSATIVE LIGHTING)
- Ace Mentoring Program through Barton Mallow helps expose students to green technology
- Welding inverter power sources use less energy... almost cuts energy use in half
- Medical facilities are recycling to reduce waste management costs
- Program to put green handles on toilet with flushing instructions (Yellow is Mellow, Brown Flush it Down)
- Oxygen sensors (finger) are being refurbished to reduce waste & cost
- DTE does not have enough people to service wind technology
- China is not distributing rare Earth magnetic materials which hurts our industry

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

Response:

- We need to develop a curriculum that will drive students toward feasible employment opportunities.
- Only a few MI locations involved in manufacturing at this point (Port Huron)
- We have employees who can handle this responsibility (automotive base)
- Identify the demand & build curricula
- Chicken and egg situation... who commits first?
- Technician to windmill 1:4
- Assemble of wind mills needs to take place close to the installation
- We are already teaching the basics for succeeding in these industries
- We just need to format a program to fill the need

2. Post-Secondary (if Present):

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

Response:

- Dual enrollment/Articulation already exists to facilitate higher education
- High school students need to take advantage of articulation according to post-secondary instructors
- Too much paper work required for dual enrollment. This is an administrative deterrent.
- Dual enrollment is only available to students in a building where a program is not offered.
- Articulation is not attractive to students.
- Articulation needs to be marketed better.
- Articulation based upon test performance doesn't work because students may complete high school courses years before attending college.

3. **Discretionary Question or Discussion:**

- No follow ups from last March
- CTE Assessments - Piloting in different programs. This will continue to grow across all areas.
- Professional Development - CTE does not have consistent PD. Touring facilities constitutes PD. Get involved with your local colleges. Open Houses/PD days at MCC? National Instruments Lab View seminars? TARDAC is coming to MCC. We need to have pathway specific PD.
- New chairperson for next year?
- Next meeting October 19, 2011
- Minutes will be emailed to everyone
- Please place in TRAC Review binder

Meeting Adjourned: 8:00 pm

Respectfully Submitted, Scribe: Brent Brasure

MAKE PLANS NOW !!!

Next Regional Meeting MISD

OCTOBER 19, 2011

Time TBA