



MICHIGAN
Department of
Education
MDE—
OFFICE OF CAREER
TECHNICAL
EDUCATION

MICHIGAN CTE STATE APPROVED STANDARDS BRIEF

WHAT IS NAVIGATOR?

MI CTE Navigator is an electronic system that provides real-time access to Michigan's state approved CTE program curriculum. This system will be useful to districts and educators for educational decision-making, management and ultimately student achievement.

UPDATES:

Navigator & Academic Alignment	Pg 1
Review & Revision OCTE Teacher Acad-Updates by Cluster	Pg 2 Pgs 3-5
Personnel Skilled in Technology	Pg 5

The web-based, online database is comprehensive, statewide, user-friendly, and instructor-driven and can be used for managing the technical standards, career cluster content, segments, resource content, and academic alignment results for all of Michigan's CTE program areas.

The website is up and ready to be used (<http://navigator.mccte-fsu.org>). All CEPD Administrators received an email on August 18, 2009 requesting them to go into NAVIGATOR and check their profile information and activate the CTE Administrators/Building Administrators for their area. CEPD Administrators are the ones that start the registration process. The plan is to have all CEPD Administrators, CTE Administrators/Building Administrators, CTE Teachers and Curriculum Consultants in the system by the end of August. Many are set up in the system and are already using it.

Tutorials/resources will be going up soon to assist teachers with using the system. They will all be located on the homepage under "How to Use Navigator". The tutorials/resources will be: How to retrieve a password, How to activate a teacher, How to use Navigator, How to Upload and Retrieve Delivery Resources, and How to Customize Academic Alignment by PSN.

UPCOMING

Review & Revision Meetings:

- Updated October 28, 2009
- Finance—Spring, 2010
- November 9—Law—B&I
- November 10—Webinar
 - Graphics—B&I
 - Child Care & Education—B&I
- November 12 Construction & Building Maintenance—B&I
- December 1
 - Electrical/Electronics—B&I
- See MCCTE-FSU website—
Upcoming Events

ACADEMIC ALIGNMENT PROGRESS

At this time we have completed academic alignment with 37 CIP's, 30 of which have completed two alignments. We have 30 with math alignment, 24 with ELA alignment, and 15 with science alignment. We thank all of the CTE and academic teachers that assisted with the state panels. To view a listing of the CIP's that have been completed and which academic area was aligned go to MCCTE-FSU.org website. Under the section on the right "Curriculum Standards Project" click on "Academic Alignment Documents" and then click on "Academic Alignment Area by CIP Code".

The screenshot shows the website header with the Michigan Center for Career and Technical Education logo and navigation links: Home, About, Programs, Publications, Resources, Key Issues. Below the header is a large banner with the Michigan map and the text "Home MCCTE". To the right is a "Curriculum Standards Project" menu with options: View Curriculum Standards, Gap Analysis and Segmenting Documents, Academic Alignment Documents (highlighted with a green arrow), and Navigator. The date and time "September 10, 2009, 2:39 pm" are visible in the top right corner of the page content.

MCCTE-FSU & MDE STANDARDS REVIEW & REVISION PROCESS

The MCCTE-FSU and MDE Standards Revision Process represents an essential step toward ensuring that all students are prepared for the demands of today's workforce, and that they have the knowledge and skills to be successful in the workforce and/or future educational opportunities. The CTE Instructional Program Standards Review and Revision Process described below is designed to provide a systematic process for insuring continuous improvement of the Michigan CTE technical standards. The goals of the CTE Instructional Program Standards Review and Revision Process will be to:

- assess the proposed new set of CIP technical standards for the current workforce needs
- assess the completeness of, and revise as needed, the CIP technical standards
- evaluate the appropriateness of, and revise as needed, the segment titles and allocated content
- validate, and revise as needed, the state academic alignment document
- make a recommendation regarding the current or new standards that have been reviewed

In February we piloted the review & revision process with 12.1999 Marketing, Sales and Service and 47.0604 Automotive Technician. The CTE Instructional Programs that will be done this year are identified in the cluster sections of this brief. We now need to identify our participants (secondary teachers, post-secondary teachers as well as contacts in business and industry) and need your assistance to do this. We would appreciate any nominations you have to share them with us through Survey Monkey. Click on the link below and enter the data on your contact. We have extended the date from **September 30, 2009 to October 8, 2009.**

http://www.surveymonkey.com/s.aspx?sm=Rr6mujqf6VmHlipbTi_2b3pg_3d_3d

TEACHER ACADEMY—AUGUST 4 & 5, 2009

In August, OCTE conducted a two day workshop for CTE teachers. The goals were for the teachers to identify strategies for implementing the Michigan CTE Standards and network with CTE teachers from around the state. Each of the CTE Instructional Programs identified what they felt were the power standards for each segment then they identified delivery resources for those standards. To review the work that they completed go to **Learport.org** and then enter the community room that is listed next to the CIP you are interested in. go and check out the information that they worked on.

Each CTE Instructional Program that has information on power standards and teaching strategies is listed in their cluster section of this Standards Brief.

ARTS, & COMMUNICATION

*ARTS, A/V TECHNOLOGY



REVIEW & REVISION— We are taking nominations for these teams until **October 8, 2009**. We are in need of business & industry contacts so if you have any please let us know by going to the url that is listed in the article. To be on this team you must be invited.

10.0301 Graphics— **Business & Industry, November 10, 2009, 9:00–10:30**

~~October 22, 2009~~—Business & Industry Team ~~November 10, 2009~~ - Graphics Teachers **TBD**

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TEACHER ACADEMY DELIVERY STRATIGIES FOUND IN LEARNPORT.ORG	
CTE Instructional Programs:	Community Room Title in LearnPort:
10.0202 Radio & TV Broadcasting	CTE - Arts/AV Technology & Communication Cluster
10.0301 Graphic & Printing Technology & Communication	CTE - Arts/AV Technology & Communication Cluster

BUSINESS/ MANAGEMENT MARKETING & TECHNOLOGY

*BUSINESS, MANAGEMENT & ADMINISTRATION * FINANCE * HOSPITALITY & TOURISM
* INFORMATION TECHNOLOGY * MARKETING, SALES & SERVICE

STANDARDS UPDATE —



Jamie Hess, Consultant

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11.0901 - Computer Systems Networking and Telecommunications The Computer Systems Networking and Telecommunications standards have been updated and can be found on the MCCTE-FSU and NAVIGATOR websites. A group of teachers worked together with the assistance of Dr. Kitty Manley to redistribute the standards into the appropriate segments. No standards were changed for this program. The impact will be on how you report your segments for 2009-2010, so please work with your staff to ensure the segments are reported correctly.

52.1999—Marketing, Sales & Services Marketing & Entrepreneurship Standards Update

The Marketing standards have been reviewed and updated as of June, 2009 and can be found at the MCCTE-FSU and NAVIGATOR websites. The expectation is that these revised standards will be the standards implemented for 2009-2010 and will be used for reporting those students in CTEIS.

REVIEW & REVISION— We are taking nominations for these teams until **October 8, 2009**. We are in need of business & industry contacts so if you have any please let us know by going to the url that is listed in the article. To be on this team you must be invited. **On hold until Spring, 2010 due to national standard revision project**

~~52.0800 Finance~~ ~~October 19, 2009~~ - Business & Industry AND ~~November 2, 2009~~ - Teachers

TEACHER ACADEMY DELIVERY STRATIGIES FOUND IN LEARNPORT.ORG	
CTE Instructional Programs:	Community Room Title in LearnPort:
11.0201 Computer Programming/Programmer	CTE - Information Technology Cluster
11.0801 Digital/Multimedia & Inform Res Design	CTE - Information Technology Cluster
11.0901 Computer Systems Networking & Tele.	CTE - Information Technology Cluster
12.9999 Personal and Culinary Service, Travel/Tourism Mgt	CTE - Hospitality & Tourism Cluster
52.0299 Business Administration, Managemet & Operations	CTE - BMA Segments
52.0800 Financial & Financial Mgt Services	CTE - Finance Segments

ENGINEERING, MANUFACTURING & INDUSTRIAL TECHNOLOGY

*Architecture & Construction * Manufacturing * Science, Technology, Engineering & Mathematics * Transportation, Distribution & Logistics

STANDARDS UPDATE—

47.0604—Automotive Technician

The updated standards are on the MCCTE-FSU website and in NAVIGATOR. The expectation is that these revised standards will be the standards implemented for 2009-2010 and will be used for reporting those students in CTEIS.

Based on the *ASE Certification for Automobile Training Programs* document administered by National Automotive Technicians Education Foundation (NATEF) published 2008 all Automotive students must take **Electrical/Electronics Systems** as one of the specialty areas of instruction.

- Electrical & Electronics Systems and Brakes
- Electrical & Electronics Systems and Steering and Suspension
- Electrical & Electronics Systems and Engine Performance



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REVIEW & REVISION— We are taking nominations for these teams until **October 8, 2009**. We are in need of business & industry contacts so if you have any please let us know by going to the url that is listed in the article. To be on this team you must be invited.

46.0000 Construction & 46.0401 Building Maintenance November 12 & 13, 2009—Business & Industry
~~December 3, 2009—Teachers TBD~~

47.0101 Electrical/Electronics Equipment Installation & Repair December 1 & 2, 2009—Business & Industry
December 4, 2009—Teachers TBD

TEACHER ACADEMY DELIVERY STRATIGIES FOUND IN LEARNPORT.ORG	
CTE Instructional Programs:	Community Room Title in LearnPort:
15.0612 Industrial Production	CTE - Manufacturing Cluster
15.1301 Drafting & Design Technology	CTE - Architecture & Consturction Cluster
46.0301 Electrical & Power Trans Installation	CTE - Architecture & Consturction Cluster
47.0101 Electrical/Electronics Equip Install & Repair	CTE - Manufacturing Cluster
47.0399 Industrial Equipment Maintenance/Repair	CTE - Transportation, Distributin & Logistics Cluster
47.0603 Collision Repair Technician	CTE - Collision Repair
47.0616 Marine Maintenance	CTE - Manufacturing Cluster
48.0508 Welding, Brazing, and Soldering	CTE - Manufacturing Cluster

It is the policy of the Office of Career and Technical Education that no person on the basis of race, color, religion, national origin or ancestry, age, gender, height, weight, marital status, or disability shall be subjected to discrimination in any program, service, or activity for which it is responsible, or for which it receives financial assistance from the U. S. Department of Education. For further information, contact the Civil Rights Coordinator, Office of Career and Techni-



HUMAN SERVICES

*EDUCATION & TRAINING * HUMAN SERVICES * LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY * GOVERNMENT & PUBLIC SERVICES * HOSPITALITY & TOURISM * INFORMATION TECHNOLOGY



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REVIEW & REVISION— We are taking nominations for these teams until **October 8, 2009**. We are in need of business & industry contacts so if you have any please let us know by going to the url that is listed in the article. To be on this team you must be invited.

19.0700 Child Care & 13.0000 Education ~~October 20, 2009~~ — Business & Industry
November 10, 2009, Webinar, 1:00-2:30

November 9, 2009 — Teachers **TBD**

43.0100 Public Safety/Protective Services—Law Enforcement ~~October 23, 2009~~ - Business & Industry
November 9, 2009

~~December 7, 2009~~ - Teachers **TBD**

TEACHER ACADEMY DELIVERY STRATEGIES FOUND IN LEARNPORT.ORG

CTE Instructional Programs:	Community Room Title in LearnPort:
12.0400 Cosmetology	CTE - Human Services Cluster
43.0100 Public Safety/Protective Ser Law Enforcement	CTE - Law, Public Safety, Corrections & Security Cluster

PERSONNEL SKILLED IN TECHNOLOGY

Reporting of Technology for our schools, staff members and students has changed and you need to be aware of the changes. The U.S. has made it mandatory for the Michigan Department of Education (MDE) to collect four data elements on educational technology in the classroom based on the American Recovery and Reinvestment Act (ARRA). The areas include: **Personnel Skilled in Technology** (assessment by the district of personnel in their use of technology), Integrated Technology Status (District Technology Plan), Instructional Computers (number of computers in the building and the Internet connectivity); and 8th Grade Technology (certify the number of students who you have assessed and the number of students deemed technology literate). For more information you can go to: www.michigan.gov/cepi or www.techplan.org.

MDE— OFFICE OF CAREER TECHNICAL EDUCATION

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Web Sites:

**mccte-FSU.org &
Navigator.mccte-fsu.org**

GET THE ANSWERS TO YOUR QUESTIONS

If you have questions about the new Michigan CTE State Approved Standards route them to me and we will answer them so all can benefit from the question and the answer.

Jan Vogel E-mail: vogelj@michigan.gov