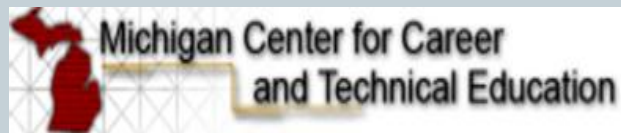


# MCCTE NAVIGATOR

1

FEBRUARY 1, 2011



Presented by:  
Tina Koepf and Kim Ducat

# Interactive website for Michigan CTE Standards

2

As a CTE Teacher do you know how to:

Locate standards for your program?

Locate the gap analysis document?

Locate the resources to do academic alignment to your standards?

# MCCTE Navigator Address

3

- [navigator.mccte-fsu.org](http://navigator.mccte-fsu.org)

The screenshot shows the homepage of the MCCTE Navigator website. At the top, there is a navigation menu with links for Home, Schools, MI Merit, Programs, Reports, Resources, and Help. Below the menu, the page is divided into several sections:

- Welcome:** A section for users to log in or manage their profile, including links for 'Test Teacher', 'Edit Profile', and 'Log Out'.
- Links:** A section with links to 'States' Career Clusters' and 'OCTE Website'.
- Welcome to MCCTE Navigator:** A main content area with a heading and a paragraph describing the system as an electronic curriculum system for Michigan's Career and Technical Education community. It mentions that the system is called MI CTE Navigator and provides real-time access to state-approved CTE program curriculum.
- How to Use Navigator:** A section titled 'Helpful Links' containing a list of resources: 'How Navigator Works', 'Teachers - How to Upload and Retrieve Delivery Resources', 'User Roles and Responsibilities', and 'Instructions for CEPD Administrators'.
- What's New:** A section listing recent updates, including a presentation on 'Effective Assessment' from November 2011 and the 'ANNUAL UPDATE OF NAVIGATOR BEGINS September 15, 2010'.
- Upcoming Events:** A section listing two events: 'Electrical and Power Teacher Segmenting (by invitation only)' on January 27, 2011, and 'Information Technology Teacher Segmenting (by invitation only)' on January 28, 2011.
- State of Michigan:** A section providing the address for the Office of Career and Technical Education in Lansing, MI.

# What is MCCTE Navigator?

4

A web-based, online database that is comprehensive, statewide, user-friendly, and instructor-driven and can be used for managing:

Technical standards

Career cluster content

Segments

Academic alignment results for all of Michigan's CTE program areas

Content resources

# Login

5

## Login

E-Mail:

Password:

LOGIN

REGISTER

[Forgot your password?](#)

# Password

6

- **IN ORDER TO HAVE A PASSWORD, YOU MUST:**
  - Be registered in MCCTE Navigator
  - Be activated by either your CEPD Administrator or Operating Building Administrator
  
- **WHAT DO I DO IF I LOSE/FORGET MY PASSWORD?**
  - Use the password recovery feature on the homepage
  - OR
  - Call Kim Ducat at 231-591-2789

# User Types

7

CEPD Administrator

Operating Building Administrator

State Consultant

CTE District Consultant/CTE Director/Supervisor

Teacher

Public User

# Register

8

[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Resources](#) [Help](#)

[Home](#) ▶ [New User Registration](#)

## Login

E-Mail:

Password:

[Forgot your password?](#)

## Links

[States' Career Clusters](#)

[OCTE Website](#)

## New User Registration

Select User Type here

First name

Last name

Job title

CEPD / Region  /

School

Address1

Address2

City

State

Zip

Phone1

Phone2

Fax

User type

Email

Retype email

Alternative email

Recovery question

Recovery answer

Supervisor





# Where do I Login?

9

navigator.mccte-fsu.org

**Michigan Center for Career and Technical Education**

*A Partner With* MICHIGAN Department of Education

Home Schools MI Merit Programs Resources Help

## Login

E-Mail:

Password:

[Forgot your password?](#)

## Links

[States' Career Clusters](#)  
[OCTE Website](#)

## Welcome to MCCTE Navigator

Welcome to the electronic curriculum system for Michigan's Career and Technical Education community (State/Regional/Local Administrators, and Instructors). The system is called MI CTE Navigator and provides real-time access to Michigan's state approved CTE program curriculum which is necessary for educational decision-making, management and ultimately student achievement.

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.

## Upcoming Events

**Electrical and Power Teacher Segmenting (by invitation only)**  
General Office Building  
Dimondale, Michigan  
January 27, 2011  
9:00am - 3:30pm

**Information Technology Teacher Segmenting (by invitation only)**  
Operation Center  
Dimondale, Michigan  
January 28, 2011  
9:00am - 3:30pm

## How to Use Navigator

Helpful Links

- How Navigator Works
- Teachers - How to Upload and

## What's New

Thu, 18 Nov 2010 at 12:13 PM  
Fall Update Presentation - Jill Kroll :  
November 2011 - Effective Assessment

## State of Michigan

# Activation

10

Home Schools MI Merit **Users** Reports Resources Help

Home > Users

## Welcome

- Edit Profile
- Log Out

## User Type

- All
- Public Users
- Project Administrators
- CEPD Administrators
- Operating Building Administrators
- State Consultants
- CTE District Consultants/CTE Directors/Supervisors
- Teachers
- Find User

## Users

Click the RED "No" to change it to a GREEN "Yes"  
OR  
Click the GREEN "Yes" to change it to a RED "No"

CEPD	Last Name	First Name	School	Email	Type	Active
42	[Redacted]	Elizabeth	Roosevelt High School	[Redacted]	Teacher	No
41	[Redacted]	Al-Mutakabbir	Randolph Career and Te	[Redacted]	Teacher	No
41	[Redacted]	Miriam	Golightly Career and Tec	[Redacted]	Teacher	No
3	[Redacted]	Miriam	Golightly Career and Tec	[Redacted]	Teacher	No
29	[Redacted]	Jodi	Davison High School	[Redacted]	Teacher	No
1	[Redacted]	Kenny	Academy for Technology	[Redacted]	Teacher	No
40	[Redacted]	Cheryl	Adlai Stevenson High Sch	[Redacted]	Teacher	Yes
35	[Redacted]	Chris	Kalamazoo Central High	[Redacted]	Teacher	Yes
31	[Redacted]	Niki	Capital Area Career Cente	[Redacted]	Teacher	Yes
40	[Redacted]	Sandra	Warren Woods Tower High	[Redacted]	Teacher	Yes

« Previous 1 2 3 4 5 6 7 8 9 ... 317 318 Next »

Results Per Page 10

New User

# Activation Letter

11



Dear CTE Teacher:

The Michigan Department of Education, Office of Career & Technical Education in cooperation, with the Michigan Center for Career & Technical Education (MCCTE) project, is preparing to update the electronic curriculum system called **MCCTE NAVIGATOR**. The system provides real-time access to Michigan's state approved CTE program curriculum which is necessary for educational decision-making, management, and ultimately student achievement. The web-based system 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. We will be merging the MCCTE-FSU.org website into MCCTE Navigator by the end of September 2010 so all of the standards information will be in one location.

In order to keep MCCTE Navigator current for this school year, we require all users to be **REACTIVATED** annually. This reactivation process began on September 15, 2010 with your CEPD Administrator and then continued with the Operating Building Administrator who has confirmed your information.

To finalize the process we need you to go into MCCTE Navigator, <http://navigator.mccte-fsu.org>, and login using your user name and user password listed below and update your profile. The information in your profile is essential for planning and communicating changes in your program area as we go through the Review & Revision process.

User Name:

User Password:

# Profile

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**X = Important**

## Welcome

### Test Teacher

- [Edit Profile](#)
- [Log Out](#)

## Links

- [States' Career Clusters](#)
- [OCTE Website](#)

## Edit My Profile

First name	<input type="text" value="Test"/>
Last name	<input type="text" value="Teacher"/>
Job title	<input type="text"/>
CEPD / Region	19 <input type="button" value="v"/> / 7 <input type="button" value="v"/>
School	Mecosta-Osceola Career Center <input type="button" value="v"/>
Address1	15175 120th Ave
Address2	<input type="text"/>
City	Rodney
State	Michigan <input type="button" value="v"/>
Zip	49342
County	<input type="button" value="v"/>
Phone1	231-796-2822
Phone2	2317962822
Fax	<input type="text"/>
Email	teacher@orainc.com
Retype email	teacher@orainc.com
Alternative email	teacher@orainc.com
Recovery question	What is my anniversary?
Recovery answer	<input type="text"/>
Old password	<input type="text"/>
New Password	<input type="text"/>
Retype password	<input type="text"/>

Gender	<input type="button" value="v"/>
Ethnicity	<input type="button" value="v"/>
<b>X</b> Teaching experience in area	<input type="button" value="v"/>
Total teaching experience	<input type="button" value="v"/>
Received training from	<input type="button" value="v"/>
<b>X</b> Work experience	<input type="button" value="v"/>
Education	<input type="button" value="v"/>
Major	<input type="text"/>
Minor	<input type="text"/>
Licensure	<input type="text"/>
Scanned licensure copy	<input type="text"/> <input type="button" value="Browse..."/>
<b>X</b> Industry Certification(s)	<input type="text"/>
Scanned industry cert. copy	<input type="text"/> <input type="button" value="Browse..."/>
Community size	<input type="button" value="v"/>
Delivery type	<input type="button" value="v"/>
Program length	<input type="button" value="v"/>
Class period length	<input type="button" value="v"/>

# Profile (continued)

13

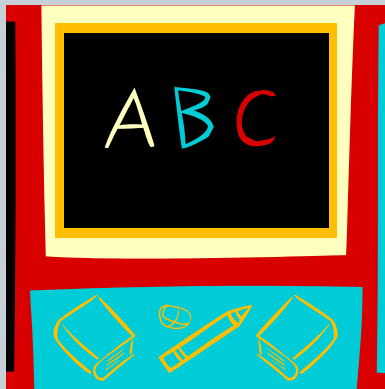
## Teacher Certification and Endorsements

[Add another endorsement](#)

Teaching certificate number	<input type="text"/>	Teaching certificate number	<input type="text"/>
Endorsement	<input type="text"/>	Endorsement	<input type="text"/>
Expiration date	<input type="text"/>	Expiration date	<input type="text"/>
Certification type	<input type="text" value="v"/>	Certification type	<input type="text" value="v"/>
Scanned copy	<input type="text"/> <input type="button" value="Browse..."/>	Scanned copy	<input type="text"/> <input type="button" value="Browse..."/>
	<input type="button" value="Delete"/>		<input type="button" value="Delete"/>

# Homepage Features

14



# Upcoming MCCTE Events

15

The screenshot shows the website's header with the Michigan Center for Career and Technical Education logo and navigation menu. The 'Upcoming Events' section is highlighted with a red box and a red arrow pointing to it from the top right. The 'Upcoming Events' section lists two events: 'Electrical and Power Teacher Segmenting (by invitation only)' and 'Information Technology Teacher Segmenting (by invitation only)'. The 'State of Michigan' logo is visible in the bottom right corner.

## Michigan Center for Career and Technical Education

Home Schools MI Merit Programs Resources Help

### Login

E-Mail:

Password:

[LOGIN](#) [REGISTER](#)

[Forgot your password?](#)

### Links

[States' Career Clusters](#)

[OCTE Website](#)

## Welcome to MCCTE Navigator

Welcome to the electronic curriculum system for Michigan's Career and Technical Education community (State/Regional/Local Administrators, and Instructors). The system is called MI CTE Navigator and provides real-time access to Michigan's state approved CTE program curriculum which is necessary for educational decision-making, management and ultimately student achievement.

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.

### How to Use Navigator

Helpful Links

- [How Navigator Works](#)
- [Teachers - How to Upload and](#)

### What's New

Thu, 18 Nov 2010 at 12:13 PM

[Fall Update Presentation - Jill Kroll : November 2011 - Effective Assessment](#)

### Upcoming Events

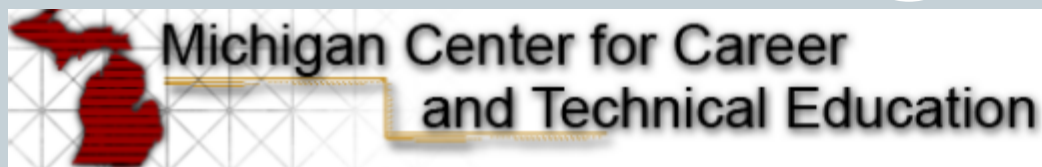
[Electrical and Power Teacher Segmenting \(by invitation only\)](#)  
General Office Building  
Dimondale, Michigan  
January 27, 2011  
9:00am - 3:30pm

[Information Technology Teacher Segmenting \(by invitation only\)](#)  
Operation Center  
Dimondale, Michigan  
January 28, 2011  
9:00am - 3:30pm

### State of Michigan

# Helpful Links / Tutorials

16



Home Schools MI Merit Programs Reports Resources Help

▶ Home

## Welcome

### Test Teacher

- [Edit Profile](#)
- [Log Out](#)

## Links

- [States' Career Clusters](#)
- [OCTE Website](#)

## Welcome to MCCTE Navigator

Welcome to the electronic curriculum system for Michigan's Career and Technical Education community (State/Regional/Local Administrators, and Instructors). The system is called MI CTE Navigator and provides real-time access to Michigan's state approved CTE program curriculum which is necessary for educational decision-making, management and ultimately student achievement.

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.

## How to Use Navigator

### Helpful Links

- [How Navigator Works](#)
- [Teachers - How to Upload and Retrieve Delivery Resources](#)
- [User Roles and Responsibilities](#)
- [Instructions for CEPD Administrators](#)

## What's New

Thu, 18 Nov 2010 at 12:13 PM  
[Fall Update Presentation - Jill Kroll : November 2011 - Effective Assessment](#)

Wed, 01 Sep 2010 at 09:55 AM  
**ANNUAL UPDATE OF NAVIGATOR BEGINS September 15, 2010**

## Upcoming Events

[Electrical and Power Teacher Segmenting \(by invitation only\)](#)  
 General Office Building  
 Dimondale, Michigan  
 January 27, 2011  
 9:00am - 3:30pm

[Information Technology Teacher Segmenting \(by invitation only\)](#)  
 Operation Center  
 Dimondale, Michigan  
 January 28, 2011  
 9:00am - 3:30pm

## State of Michigan

Office of Career and Technical Education  
 P.O. Box 30712  
 Lansing, MI 48909

**Powerpoints  
Tutorials**



# Top Menu Bar

17

[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Reports](#) [Resources](#) [Help](#)

# Key Components

18

- List of all the schools in Michigan that operate state approved CTE programs

Schools

- List of the **Common Core State Standards** for Math, ELA and Science

MI Merit

- List of all the CTE state approved programs in Michigan and a complete list of the standards for each program

Programs

- List of the various users of the system:
  - CEPD Administrators,
  - Operating Building Administrators,
  - CTE District Consultants/CTE Directors/Supervisors and
  - CTE Teachers

Users

- Three types of reports: Curriculum, Segments, and Academic Alignment
- Each report can be done by State, PSN, and Teacher level

Reports

- Our Publications that include or Standards Updates
- Powerpoints
- Updated Gap Analysis

Resources

# Schools

19

Home Schools MI Merit Programs Reports Resources Help

Home Schools  
My Schools  
All Schools

## Welcome

### Test Teacher

- Edit Profile
- Log Out

## Links

MCCTE-FSU  
States' Career Clusters  
OCTE Website

## Schools

Building Name ▲	City	Phone
Chippewa Hills High School		
Mecosta-Osceola Career Center		

Results Per Page 100 ▼

# Schools

20

## School

CEPD 19  
 Name Chippewa Hills High School  
 Address1  
 Address2  
 City  
 State  
 Zip  
 Phone  
 Fax  
 Webpage  
 Email

## Programs

CIP	Name	PSII
01.0000	Agriculture, Agriculture Operations and Related Sciences	16187
03.0000	Natural Resources and Conservation	18496

# MI Merit

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Michigan Center for Career and Technical Education

*A Partner With* MICHIGAN Department of Education

Home Schools **MI Merit** Programs Reports Resources Help

Home > Areas

**Welcome**

Test Teacher

- Edit Profile
- Log Out

**Areas**

- Mathematics
- Science
- Language Arts

# MI Merit

22

## Biology

[Print friendly version](#)

[Export to Excel](#)

<b>B1</b>		<b>INQUIRY, REFLECTION, AND SOCIAL IMPLICATIONS</b>
	B1.1	Scientific Inquiry
	B1.1A	Generate new questions that can be investigated in the laboratory or field.
	B1.1B	Evaluate the uncertainties or validity of scientific conclusions using an understanding of sources of measurement error, the challenges of controlling variables, accuracy of data analysis, logic of argument, logic of experimental design, and/or the dependence on underlying assumptions.
	B1.1C	Conduct scientific investigations using appropriate tools and techniques (e.g., selecting an instrument that measures the desired quantity—length, volume, weight, time interval, temperature—with the appropriate level of precision).
	B1.1D	Identify patterns in data and relate them to theoretical models.
	B1.1E	Describe a reason for a given conclusion using evidence from an investigation.
	B1.1f	Predict what would happen if the variables, methods, or timing of an investigation were changed.
	B1.1g	Use empirical evidence to explain and critique the reasoning used to draw a scientific conclusion or explanation.
	B1.1h	Design and conduct a systematic scientific investigation that tests a hypothesis. Draw conclusions from data presented in charts or tables.
	B1.1i	Distinguish between scientific explanations that are regarded as current scientific consensus and the emerging questions that active researchers investigate.
	B1.2	Scientific Reflection and Social Implications
	B1.2A	Critique whether or not specific questions can be answered through scientific investigations.
	B1.2B	Identify and critique arguments about personal or societal issues based on scientific evidence.
	B1.2C	Develop an understanding of a scientific concept by accessing information from multiple sources. Evaluate the scientific accuracy and significance of the information.
	B1.2D	Evaluate scientific explanations in a peer review process or discussion format.
	B1.2E	Evaluate the future career and occupational prospects of science fields.
	B1.2f	Critique solutions to problems, given criteria and scientific constraints.

# Programs

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[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Reports](#) [Resources](#) [Help](#)

▶ [Home](#) ▶ [Pathways](#)

## Welcome

### Test Teacher

- [Edit Profile](#)
- [Log Out](#)

## Links

- [MCCTE-FSU](#)
- [States' Career Clusters](#)
- [OCTE Website](#)

## Michigan Pathways

- [Arts and Communication](#)
- [Business, Management, Marketing, and Technology](#)
- [Engineering/Manufacturing and Industrial Technology](#)
- [Health Sciences](#)
- [Human Services](#)
- [Natural Resources and Agriscience](#)

# Standards

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[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Reports](#) [Resources](#) [Help](#)

▶ [Home](#) ▶ [Pathways](#) ▶ [Business, Management, Marketing, and Technology](#) ▶ [Finance](#) ▶ [Financial & Financial Management Services \(2010\)\\*](#)

## Welcome

- Test Teacher
  - Edit Profile
  - Log Out

## List Selection

◀ State

## Links

- Program Links
- MCCTE-FSU
- States' Career Clusters
- OCTE Website

## 52.0800 - Financial & Financial Management Services (2010)\*

- + Technical Standards
- + Foundation Standards
- + Pathway Standards
- + Employment Standards
- + Essential Standards





# Standards

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## **52.0800 - Financial & Financial Management Services (2010)\***

### Technical Standards

- I. Technical Standards (AP Accounting Pilot Standards June 2010)
  - A. Introduction to Accounting (Module 1)
  - B. Accounting Information System (Module 3)
  - C. Accounting for Merchandising Companies (Module 3 & 4)
  - D. Introduction to Taxes (Module 3)
  - E. Accounting for Sales and Accounts Receivable (Module 4)
  - F. Time Value of Money (Module 5)
  - G. Accounting for Fixed Assets (Module 6)
  - H. Accounting for Debt (Module 7)
  - I. Accounting for Stockholder's Equity (Module 7)
  - J. Financial Statements (Module 8)
  - K. Cost-Volume-Profit Analysis (Module 2)
  - L. Summary of Ratios:

# Program Links

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Home Schools MI Merit Programs Users Reports Resources Help

▶ Home ▶ Pathways ▶ Arts and Communication ▶ Arts, A/V Technology & Communication ▶ Graphics & Printing Technology and Communications (2010)\* ▶ Links

## Welcome

**Tina Keepf**  
▪ Edit Profile  
▪ Log Out

## Links

Program Links  
States' Career Clusters  
OCTE Website

## 10.0301 Links

### 2010 Updated Gap Analysis Document

[http://navigator.mocte-fsu.org/mocte/documents/Graphics\\_2010\\_Updated\\_Gap\\_Analysis\\_Document.xls](http://navigator.mocte-fsu.org/mocte/documents/Graphics_2010_Updated_Gap_Analysis_Document.xls)

Delete

### Webinar 2010 Standards Release for 10.0301 Graphics and Printing Technology and Communications

<http://ferris.na4.acrobat.com/p15238383/>

Delete

Add New Link

# Reports

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[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Reports](#) [Resources](#) [Help](#)

▶ [Home](#) ▶ [Reports](#)

## Welcome

### Test Teacher

- [Edit Profile](#)
- [Log Out](#)

## Links

[MCCTE-FSU](#)  
[States' Career Clusters](#)  
[OCTE Website](#)

## Reports

### Curriculum Standards

- [State](#)
- [PSN](#)
- [Teacher](#)

### Segments

- [State](#)
- [PSN](#)
- [Teacher](#)

### Academic Alignment

- [State](#)
- [PSN](#)
- [Teacher](#)

# Curriculum Standards

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Michigan Center for Career and Technical Education



[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Reports](#) [Resources](#) [Help](#)

[Home](#) [Reports](#) [Curriculum Standards](#)

## Welcome

### Test Teacher

- [Edit Profile](#)
- [Log Out](#)

## Links

- [Program Links](#)
- [MCCTE-FSU](#)
- [States' Career Clusters](#)
- [OCTE Website](#)

## Curriculum Standards Report

Program	01.0000 - Agriculture, Agriculture Operations and Related Sciences	▼
List	All	▼
Level 1 - Knowledge		▼
Level 2 - Skills		▼
Level 3 - Performance Elements		▼

- Show level 1 - knowledge       Show level 2 - skills       Show level 3 - performance elements  
 Show level 4 - measurement criteria

[Generate](#)

# Segments

29

## Segments Report

Program	01.0000 - Agriculture, Agriculture Operations and Related Sciences	▼
List	All	▼
Level 1 - Knowledge		▼
Level 2 - Skills		▼
Level 3 - Performance Elements		▼

- Segment 0 - Pre
- Segment 1 - Scientific and Social Implications
- Segment 2 - Leadership, Business Education & Career Success
- Segment 3 - Organization of Living Systems
- Segment 4 - Animal Industries and Domestic Animal Production
- Segment 5 - Comparative Animal Systems and Animal Genetics
- Segment 6 - Animal Health and Nutrition
- Segment 7 - Plant Physiology
- Segment 8 - Plant Nutrition
- Segment 9 - Pests and Pest Management
- Segment 10 - Soils
- Segment 11 - Environmental and Energy Systems
- Segment 12 - Natural Resources Fundamentals
- Segment 13 - Post

[Check All / Uncheck All](#)

- Show Level 4 - measurement criteria
- Show math
- Show science
- Show language arts

**Generate**

# Academic Alignment

30

## Academic Alignment Report

Program	01.0000 - Agriculture, Agriculture Operations and Related Sciences	▼
List	All	▼
Level 1 - Knowledge		▼
Level 2 - Skills		▼
Level 3 - Performance Elements		▼

Show Level 4 - measurement criteria
  Show math
  Show science
  Show language arts

**Generate**

[Print friendly version](#)   [Export to Excel](#)

## 01.0000 - Agriculture, Agriculture Operations and Related Sciences

### Technical Standards

I.	LAB SAFETY, SCIENTIFIC INQUIRY, REFLECTION AND SOCIAL IMPLICATIONS								
	A.	Laboratory Safety							
		1.	Discuss safety plan for individual facilities.						
			<table border="1"> <tr> <td>Science: Biology</td> <td>B1.1C.</td> <td>Conduct scientific investigations using appropriate tools and techniques (e.g., selecting an instrument that measures the desired quantity—length, volume, weight, time interval, temperature—with the appropriate level of precision).</td> </tr> <tr> <td>Science: Biology</td> <td>B2.3f.</td> <td>Explain how human organ systems help maintain human health.</td> </tr> </table>	Science: Biology	B1.1C.	Conduct scientific investigations using appropriate tools and techniques (e.g., selecting an instrument that measures the desired quantity—length, volume, weight, time interval, temperature—with the appropriate level of precision).	Science: Biology	B2.3f.	Explain how human organ systems help maintain human health.
Science: Biology	B1.1C.	Conduct scientific investigations using appropriate tools and techniques (e.g., selecting an instrument that measures the desired quantity—length, volume, weight, time interval, temperature—with the appropriate level of precision).							
Science: Biology	B2.3f.	Explain how human organ systems help maintain human health.							
		2.	Examine health risks associated with a particular skill to better form personnel safety guidelines.						
			<table border="1"> <tr> <td>Science: Biology</td> <td>B3.f5g.</td> <td>Diagram and describe the stages of the life cycle for a human disease-causing organism. (recommended)</td> </tr> </table>	Science: Biology	B3.f5g.	Diagram and describe the stages of the life cycle for a human disease-causing organism. (recommended)			
Science: Biology	B3.f5g.	Diagram and describe the stages of the life cycle for a human disease-causing organism. (recommended)							

# Resources (Power Points, Gap, Other Misc)

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[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Reports](#) **[Resources](#)** [Help](#)

► [Home](#) ► [Resources](#)

## Welcome

### Test Teacher

- [Edit Profile](#)
- [Log Out](#)

## Links

- [MCCTE-FSU](#)
- [States' Career Clusters](#)
- [OCTE Website](#)

## Resources

### Career Clusters

[28.0310 JROTC Army 1 Updated Gap Analysis : 2010](#)

[28.0310 JROTC Army 1 Updated Gap Analysis](#)

[English Poster : \(PDF 176.5 KB\)](#)

[How Do Our Children Choose Careers : \(PDF 307.7 KB\)](#)

[Math Poster : \(PDF 176.5 KB\)](#)

[Science Poster : \(PDF 211.8 KB\)](#)

[Social Studies Poster : \(PDF 176.4 KB\)](#)

### CIP Self-Review

[CIP Self-Review : \(PDF 309.2 KB\)](#)

### CTE Links

[11.0201 Computer Programming Programmer Teacher Survey 5.19.2010 : \(PDF 58.6 KB\)](#)

[11.0801 Digital Multimedia Teacher Survey 5.19.2010 : \(PDF 64.1 KB\)](#)

[11.0901 Computer Systems Networking Teacher Survey 5.19.2010 : \(PDF 58.4 KB\)](#)

# My Programs or PSN Programs



# Insert Additional Standards

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[Home](#) [Schools](#) [MI Merit](#) [Programs](#) [Reports](#) [Resources](#) [Help](#)

[Home](#) ▶ [Pathways](#) ▶ [Arts and Communication](#) ▶ [Arts, A/V Technology & Communication](#) ▶ [Graphics & Printing Technology and Communications \(2010\)\\*](#)

## Welcome

Test Teacher

- [Edit Profile](#)
- [Log Out](#)

## List Selection

State

PSN 8448

[Mecosta-Osceola Career](#)

[Center](#)

[Jensen, Chris](#)

▾ [Teacher, Test](#)

## 10.0301 - Graphics & Printing Technology and Communications (2010)\*

### Technical Standards

I MI Standards

State

II

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# Level “3”

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ation ► Arts, A/V Technology & Communication ► Graphics & Printing Technology and Communications (2010)\*

**10.0301  
(2010)\***

Level 1 -  
Knowledge

Level 2 -  
Skill

Level 3 -  
Performance  
Element

## Technical Standards

### I. MI Standards

#### A. Introduction to Printing.

1. Demonstrate knowledge of hazard communication laws and environmental protection and safety procedures
2. Explain importance of quality control procedures, consistency of production, and statistical process control (SPC) as it relates to customer satisfaction
3. Identify workflow, processes, and equipment in graphic communications
4. Demonstrate mathematical concepts relating to print, estimating materials/service costs, and preparing work orders
5. Understand legal aspects of copyrighted materials
6. Understand/define printing terminology
7. Describe various methods of graphic reproduction (offset, screen, intaglio, gravure, letterpress)

# Images

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## Navigation

- Segments
- GAP Analysis
- Academic Alignment
  - Mathematics
  - Science
  - Language Arts
- Support Material
  - Images**
  - Documents
  - Presentations
  - Lesson Plans

## List Selection

- State
- PSN 8448
  - Mecosta-Osceola Career Center
  - Jensen, Chris
  - Teacher, Test**

## Career & Employability Standards

### II. CAREER PLANNING

#### A. Career Planning

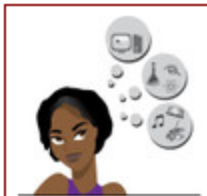
1. Organize career information and labor market trends from a variety of sources.

a.

Add

## Images

Click on an image to view a larger version



# Insert Academic Alignment

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## Welcome

### Test Teacher

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## Navigation

### Segments

#### Academic Alignment

Mathematics

Science

Language Arts

#### Support Material

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## List Selection

### State

PSN 8448

Mecosta-Osceola Career Center

Jensen, Chris

Teacher, Test

## 10.0301 - Graphics & Printing Technology and Communications (2010)\*

### Technical Standards

#### I. MI Standards

##### A. Introduction to Printing

1. Demonstrate knowledge of hazard communication laws and environmental protection and safety procedures

Area:

List:

Keywords:

### Algebra 2

#### L2 CALCULATION, ALGORITHMS, AND ESTIMATION

L2.2 Sequences and Iteration

L2.2.3 Use iterative processes in such examples as computing compound interest or applying approximation procedures.

### Geometry

#### 5.0 RELATIONSHIPS BETWEEN FIGURES

G2.1 Relationships Between Area and Volume Formulas

G2.1.1 Know and demonstrate the relationships between the area formula of a triangle, the area formula of a parallelogram, and the area formula of a trapezoid.

G2.1.2 Know and demonstrate the relationships between the area formulas of various quadrilaterals.

# Academic Alignment

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## 10.0301 - Graphics & Printing Technology and Communications (2010)\*

### Technical Standards

#### I. MI Standards

#### A. Introduction to Printing

1. Demonstrate knowledge of hazard communication laws and environmental protection and safety procedures

a.

Add

### Academic Alignment

#### Mathematics

Algebra 2	L2.2.3	Use iterative processes in such examples as computing compound interest or applying approximation procedures.	Class
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[Edit Academic Alignment](#)

# Let's Go Live!!

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- [Navigator.mccte-fsu.org](http://Navigator.mccte-fsu.org)

**Michigan Center for Career and Technical Education**

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**Welcome**

**Tina Koepf**

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**Links**

- [States' Career Clusters](#)
- [OCTE Website](#)

**Welcome to MCCTE Navigator**

Welcome to the electronic curriculum system for Michigan's Career and Technical Education community (State/Regional/Local Administrators, and Instructors). The system is called MI CTE Navigator and provides real-time access to Michigan's state approved CTE program curriculum which is necessary for educational decision-making, management and ultimately student achievement.

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.

**Upcoming Events**

[Electrical and Power Teacher Segmenting \(by invitation only\)](#)  
General Office Building  
Dimondale, Michigan  
January 27, 2011  
9:00am - 3:30pm

[Information Technology Teacher Segmenting \(by invitation only\)](#)  
Operation Center  
Dimondale, Michigan

# Contact Information - MCCTE

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