

Agriscience & Natural Resources



Arts & Communications



Business, Management & Marketing Technology



Engineering,
Manufacturing
& Industrial
Technology



Health Sciences



Human Services



# Cass County Career & Technical Education 2017-2018











DOWAGIAC UNION SCHOOLS



Cass County Career and Technical Education is delivered through a system of local and shared time programs. While operating without a career center, the county still offers 23 in county CTE programs. Cassopolis, Dowagiac Union, and Marcellus High Schools send students to the Van Buren Technology Center, while Edwardsburg High School sends stu-

dents to the Elkhart Area Career Center. Lewis Cass ISD operates and manages the Career Academies, a collaborative partnership of CTE programming located at Southwestern Michigan College.

Lewis Cass ISD employs the CTE Director for the county. The Director serves as a liaison between the local districts and the Michigan Department of Education Office of Career and Technical Education. It is the responsibility of the ISD to coordinate the CTE classes offered to high school students.

Career and Technical Education provides hands on experiences for students while engaging them in rigorous and relevant learning environments. CTE allows students the ability to blend real life experiences with core academics that are needed in order to prepare them to be college and career ready. Research shows that students that are enrolled in Career and Technical Education classes are more successful in secondary and postsecondary opportunities.

Mikki Spagnoli Career and Technical Education Director Lewis Cass Intermediate School District

## **Student Events**

## **CTE Awards Banquet**

- At the 2017 CTE Awards Banquet, 48 students were honored for their achievement in their individual CTE programs.
- Six students received scholarships for their achievements from Southwestern Michigan College.

## 10th Grade Career/College Exploration Days

- In partnership with Southwestern Michigan College, 540 tenth grade students from the 4 local high schools were given the opportunity to participate in the Career/College Exploration Day at Southwestern Michigan College.
- This event is an opportunity for school 10th grade students to receive an early exposure to Career & Technical Education and career opportunities available to them as they explore a college campus.

## Young Entrepreneurs Day

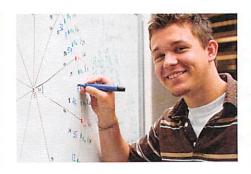
- Young Entrepreneurs Day is a joint venture between Lewis Cass ISD and the Edward Lowe Foundation.
- The event is hosted at the beautiful Edward Lowe Foundation.
- 17 students attended this event to have their business plans reviewed.
- 5 Business Partners assessed and reviewed students' business plans .
- 2 teams comprised of students from all four districts competed to have the best business plan for a "food truck". The presentations included students in business, finance and digital design CTE programs. By combining districts, the students gained a closer experience to what it is like in the real world working with people they haven't met before.

### Other Events

- FFA State and National Convention
- Non Trad Day
- Green Flag Day
- Chicago Auto Show
- Dental Health Field Trip
- Environmental Health Field Trip
- Nursing Field Trip







# College & Career Readiness

Cass County is fortunate to have a partnership with Southwestern Michigan College, who offers the Dual Enrollment classes, LCISD Career Academies and Early Middle College programs to Cass County students.

## **Dual Enrollment**

Designed for eligible high school students, the Dual Enrollment Program offers students the opportunity to enroll in college courses at one of the SMC campuses. The college course may be used for credit at both the high school and college level. Dual Enrollment statistics are inclusive of all three programs; Dual Enrollment, Career Academies, and Early Middle College.

## 2016-2017

Cassopolis	19 students	183 credits
Dowagiac	106 students	841 credits
Edwardsburg	128 students	1786 credits
Marcellus	13 students	147 credits

## 2017-2018 (Semester 1)

Cassopolis	32 students	204 credits
Dowagiac	73 students	513 credits
Edwardsburg	154 students	1106 credits
Marcellus	18 students	109 credits







# College & Career Readiness

## **Lewis Cass ISD Career Academies**

- During the 2016-2017 school year, 53 students participated in the Lewis Cass ISD Career Academies.
- LCISD and SMC partner to provide 10 Career Academies including Automotive, Business, Construction, Criminal Justice, Early Childhood Education, Graphic Design, Health, Mechatronics, Sports Management, and Welding.
- 856 college credits were awarded to the 53 participating students.
- 92% of the college credits awarded were awarded an A or B grade.

## Current Academy Enrollment - 2017-2018 Semester 1

	Cassopolis	Dowagiac	Edwardsburg	Marcellus
Automotive				
Business	2	3	11	3
Construction				
Criminal Justice	1	4	8	
Early Childhood Educ.			1	
Graphic Design			1	
Health	3	6	18	
Mechatronics			2	
Sports Mgmt.				
Welding		1	3	
Totals	6	14	44	3

## Early/Middle College

An Early/Middle College Program is a unique opportunity offered to high school students to earn an associate's degree, credential or transferable credit from Southwestern Michigan College while still in high school. These programs are allowed through school districts that have applied and approved through the Michigan Department of Education.

Students accepted and enrolled in the program commit to a 13<sup>th</sup> year of high school. A student will have one high school graduation requirement withheld during the 12<sup>th</sup> grade. During the 13<sup>th</sup> year students complete a full course load at Southwestern Michigan College. Students will also complete the final high school requirement in order to fulfill their high school diploma requirements for the state of Michigan.

# **Graduation Requirements**



Fornilled: Publ	ic Acts 208 and 209 of 2014	Effectis	e: Begins 2014-15 School Year with 2015 Graduates	
Content	2006	2014 Effective: Begins 2014-15 School Year With 201 2014		
Areas		(HB 446	5-HB 4466)	
	MMC	MMC	Personal Curriculum	
ELA	ELA 9	CREDITS: 4	No modifications	
	ELA 10	ELA 9		
	ELA 11	ELA 10		
	ELA 12	ELA 11		
		ELA 12		
Math	Algebra I	CREDITS: 4	CREDITS: 3.5	
	Geometry	Algebra I	Algebra I, Geometry, and 1 Algebra II Option:	
	Algebra II	Geometry	Option 1: Any course delivering the Algebra I	
	4th Math	Algebra II	assessed benchmarks on the MME	
		Option 1: State Approved CTE program that	Option 2: 1 Semester of Statistics, or	
		teaches the Algebra II assessed	Functions and Data Analysis, or technical	
		benchmarks on the MME	mathematics	
		Option 2: Algebra II over 2 years	1 credit must be taken during final 2 years	
		Math 4th Credit		
		*A math course must be taken in the final year		
Science	n: 1	CREDITS: 3	No modifications	
Science	Biology		No modifications	
	Physics or Chemistry	1 Credit Biology		
	3rd Science	1 Credit Chemistry, Physics, Anatomy, Ag Science		
		or 1 course that covers Chemistry and Physics		
		benchmarks		
		Science 3rd Credit		
		Option1: 1 Credit Computer Science		
		Option 2: State Approved CTE Program		
Social Studies		CREDITS: 3	Must complete 2 Social Studies credits, including	
	Economics (1/2)	1/2 Credit Civics	Civics and one option	
	US History/Geography	1/2 Credit Economics	Option 1: 1 Credit ELA	
	World History/Geography	1 Credit US History/Geography	Option 2: 1 Credit Math	
		1 Credit World History/Geography	Option 3: 1 Credit Science	
			Option 4: 1 Credit Language other than English	
			Option 5: State Approved CTE Program	
PE/Heulth	1 Credit	CREDITS: 1	Must complete one option	
		1/2 Credit Health	Option 1: 1 Credit ELA	
		1/2 Credit Physical Education	Option 2: 1 Credit Math	
		Option 1: 1/2 Credit extracurricular or	Option 3: 1 Credit Science	
		related physical activity	Option 4: 1 Credit Language other than English	
			Option 5: State Approved CTE Program	
VPAA	1 Credit	CREDITS: 1	Must complete one option	
		Visual, Performing or Applied Arts	Option 1: 1 Credit ELA	
			Option 2: 1 Credit Math	
			Option 3: 1 Credit Science	
			Option 4: 1 Credit Language other than English	
			Option 5: State Approved CTE Program	
Online Learning	Course Learning or Integrated Experience	Course learning or integrated learning experience	No modifications	
Language	2 Credits	CREDITS: 2	No modifications	
other than		Course content grade appropriate K-12		
English		Option 1: 1 Credit by Completing State		
(World		Approved CTE Program		
_		Approved CTE Program Option 2: 1 Credit VPAA		

Prepared by Deb Miller and Dr. Brisn Pyles, December 10, 2014 (v.3)







# Career & Technical Education

# **Graduation Requirements**

## Michigan Merit Curriculum

The Michigan Merit Curriculum (MMC) defines a common set of required credits for graduation, and provides educators with a common understanding of what student's should know and be able to do for credit. It also provides students the learning opportunity, knowledge and skills they need to succeed in college or the workplace. In addition to requiring students to earn a full complement of math, science, English and other credits to receive their diplomas, Michigan is the first state to require students to have an online learning experience to prepare them for postsecondary education and the workplace.

The Michigan Merit Curriculum (MMC) requires students to obtain a minimum of 18 credits for graduation. Some of which may be met through the successful completion of Career and Technical Education courses.

## Meeting Credit and Other Graduation Requirements Through CTE

Since many of the MMC standards are taught in CTE programs, students may earn that credit through these programs. By completing a State approved Career and Technical Education program, students may fulfill the following requirements with the substitution.

- 1 credit of Science AND
- 1 credit of World Language AND
- 1 credit of Algebra II —only if the CTE program includes the same Algebra II benchmarks addressed on the State assessment.
- The local school district can tell you which CTE programs qualify for this substitution.

CTE courses also may satisfy the following graduation requirements:

- 1 credit of Visual, Performing and Applied Arts (VPAA) AND
- 1 credit of math-related experience required in final year of high school.
- Note that the local school district is responsible for awarding credit in both of these areas.

Completing a formal *Personal Curriculum* may allow students to substitute courses in a department-approved CTE program for additional required credits, such as:

- 1/2 credit of Health
- 1/2 credit of Physical Education
- 1 credit of Social Studies
- 1/2 to 1 credit of Algebra II/Mathematics







# Career Cruising

## **Career Cruising**

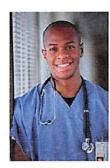
Career Cruising is an industry-leading online career guidance and planning system used by schools across North America. The assessments and databases are used to guide students toward informed decisions as they plan their education and career goals.

Career Cruising has been designed with one goal in mind: to help 7th thru 12th grade students plan their future by creating a personal Education Development Plan (EDP). With exceptional assessment tools, detailed occupation profiles and comprehensive post-secondary education information, students move seamlessly through the career exploration and planning process leading to a completed EDP. The powerful portfolio system helps students document career and postsecondary search experience, and helps them to make concrete, long-term plans, also giving schools access to the real-time information and statistics needed to track students' progress and achievement.

## **Key Train**

A growing amount of research indicates that high skill levels are required to succeed in today's economy and that schools are having difficulty preparing students for their future in college or the workplace. KeyTrain is an effective tool for teaching foundational workplace skills. More than 300 high schools in Michigan have chosen to use KeyTrain, including all of Detroit Public Schools.

Michigan has adopted an assessment called the Michigan Student Test of Educational Progress (M-STEP) that also includes the SAT and WorkKeys Reading for Information and Applied Mathematics. In order to teach the skills required for the M-STEP, KeyTrain is the curriculum of choice in Michigan. Outcomes from KeyTrain include, better scores on standardized tests, career readiness certifications, students ready for college and work, and students with high-demand skills.









# **Partnerships**

Career & Technical Education develops and maintains the partnerships that will contribute to the development of a world class workforce for Cass County and the State of Michigan.

Through our partnerships, students experience a seamless entry into Michigan's variety of educational pathways beyond high school learning to academic and workplace success. Partnerships have been established to promote student achievement and provide experiences that could not otherwise be achieved.

## **Edward Lowe Foundation**

One of our most recognized projects, Young Entrepreneurs Day, is funded and hosted in part by the Edward Lowe Foundation. The Foundation recognizes the potential of creative young people and promotes their efforts to master the skills and practices of entrepreneurial endeavors.

## Berrien RESA and Van Buren Intermediate School Districts

In addition, the three counties partner in the Perkins Grant, work together to increase awareness of Career & Technical Education, create Early College credit opportunity, and promote National Career Readiness Certificates with Michigan Works!.

## Southwestern Michigan College

Lewis Cass County Career & Technical Education and Southwestern Michigan College have partnered on a substantial number of initiatives, including 10th Grade Career Days, Non-Trad Day, It's Reality Day, Career Fair, and the Chicago Auto Show Field Trip.

## Michigan Works!

In the Tri-County region, a partnership has been formed between CTE and Michigan Works!, Michigan Works! researches and develops a career guide which forecasts job openings in our region. With this document, the CTE Leadership Team can utilize data in developing new and relevant CTE programs.









# Cass County Career & Technical Education



For additional information, contact:

Mikki Spagnoli, CTE Director
Office of Career & Technical Education
Lewis Cass Intermediate School District
61682 Dailey Rd.
Cassopolis, MI 49031

Phone: (269) 445.6224, Fax: (269) 445.6224 E-mail: mspagnoli@lewiscassisd.org

"Learning for All... Whatever It Takes"

## Lewis Cass ISD Board of Education

- Don Curtis

   President
- Tom Atkinson

   Vice President
- Kevin Anderson

   Treasurer
- Dwight Dyes
   Secretary
- Heather Zile- Trustee

It is the policy of the Lewis Cass ISD Board of Education that no person on the basis of race, color, religion, national origin or ancestry, age, sex, height, weight, marital status or disability shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program or activity for which it receives any financial assistance from the United States Department of Education.

The following person has been designated to handle inquiries regarding the non-discrimination policies:

School Improvement Facilitator, 61682 Dailey Road, Cassopolis, MI 49031