

2023-2024

Freshman
Course Information Book
**Mitchell High
School**
2023-2024

TABLE OF CONTENTS

	Page number
Personal Learning Plan	3
4 Year Plan	4
Quick Reference Course Listings	5
Agricultural Science – CTE	8
Business - CTE	8
Computer Science - CTE	9
Engineering -CTE	9
English	10
Family Consumer Science	11
Fine Arts	
Art – select classes are CTE	12
Music-Instrumental	13
Music-Vocal	14
Health Sciences - CTE	14
Math	14
Physical Education	16
Science	16
Social Science	17
Technical - CTE	18
World Language	19
Online Mitchell Senior High Classes	20
Online Summer School Opportunities- Must have access to reliable Internet	20

Key Information-

1. Parent signature required on registration sheet.
2. CTE represents Career and Technical Education
3. PLTW - Project Lead the Way program. More information can be found at:
www.pltw.org

Credit Status

6 credits= Sophomore status

12 credits = Junior Status

17 credits = Senior Status

Each class taken with a passing grade is .5 credit each semester.

Personal Learning Plan (PLP) goes here
Separate sheet of paper to insert

Projected 4-Year Personalized Learning Plan

Freshman Year	Sophomore Year
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1st Semester	2nd Semester	1st Semester	2nd Semester
1. English IA	1. English IB	1. H/English II A	1. H/English IIB
2. Physical Sci A	2. Physical Sci B	2. Biology A	2. Biology B
3. Civics	3. PE Option	3. Geography	3. World History
4. Math A	4. Math B	4. Math A	4. Math B
5.	5.	5.	5.
6.	6.	6.	6.
7.	7.	7.	7.

Junior Year		Senior Year	
1st Semester	2nd Semester	1st Semester	2nd Semester
1. H/English III	1. H/English III	1. English Elec.	1. Am Gov/POLS
2. H/Chem/Physics	2. H/Chem/Physics	2.	2.
3. US Hist/Hist 151	3. US Hist/Hist 152	3.	3.
4. Math A	4. Math B	4.	4.
5.	5.	5.	5.
6.	6.	6.	6.
7.	7.	7.	7.

Other graduation requirements include:

- Speech/Debate/Oral Interpretation – only one of these courses is required.
- Personal Finance
- Computer Class
- Fine Arts (2 courses/2 semesters)
- 2 semesters of a World Language and/or 2 semesters of Career & Technical Education courses

Students are encouraged to take math and science classes **all four years.**

Anticipated Plans –

Technical College 4 Year College Military Specialized Training Workforce

Plan and Prepare for your Future.

Ag Science CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Intro to Ag, Foods, & Natural Resources	8101 & 8102	1 credit	Year	Grades 9-12
Leadership and Communication	8130	.5 credit	Semester	Grades 9-12
Companion Animals	8215	.5 credit	Semester	Grades 9-12

Business CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Intro to Business	7125	.5 credit	Semester	Grades 9-12
Personal Finance–Online	7126	.5 credit	Semester	Grades 9-12- Required
Careers	7265	.5 credit	Semester	Grades 9-12

Computer Science CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Computer Applications I	5600	.5 credit	Semester	Grades 9-12
Multimedia Design/Comp Ap II	5610	.5 credit	Semester	Grades 9-12
Business Computer Applications I	7236	.5 credit	Semester	Grades 9-12

Engineering CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Introduction to Engineering-PLTW	9010 & 9011	1 credit	Year	Grades 9-12

English

COURSE	COURSE #	CREDIT	OFFERED	OPEN TO
English I	1201 & 1202	1 credit	Year	Grade 9 - Required
Debate I- fulfills Speech requirement	1170	.5 credit	Semester	Grades 9-12
Oral Interpretation- fulfills Speech requirement	1175	.5 credit	Semester	Grades 9-12
Speech	1280	.5 credit	Semester	Grades 9-12
Theatre I- (may be fine arts elective)	1271	.5 credit	Semester	Grades 9-12

Family and Consumer Science CTE

COURSE – CTE Classes	COURSE #	CREDITS	OFFERED	OPEN TO
Nutrition and Wellness	8246	.5 credit	Semester	Grades 9-12
Culinary Arts I- 2 Blocks	8250	1 credit	Semester = 2 consecutive blocks	Grades 9-12

Fine Arts Visual and Dramatic

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Introduction to Art - CTE	6250	.5 credit	Semester	Grades 9-12
Pottery	6255	.5 credit	Semester	Grades 9-12
Crafts	6260	.5 credit	Semester	Grades 9-12
Drawing	6265	.5 credit	Semester	Grades 9-12
Painting	6275	.5 credit	Semester	Grades 9-12
Sculpture	6355	.5 credit	Semester	Grades 9-12

Fine Arts Music Instrumental

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Marching Band	6101	.5 credit	Semester	Grades 9-12
Color Guard	6105	.5 credit	Semester	Grades 9-12
Concert Band	6104	.5 credit	Semester	Grades 9-10
Music Tech	6107	.5 credit	Semester	Grades 9-12
Music Theory	6315	.5 credit	Semester	Grades 9-12

Fine Arts Music Vocal

COURSE	Course #	CREDITS	OFFERED	OPEN TO
Treble Clef Choir	6113 & 6114	1 credit	Year	Grades 9-12
Bass Clef Choir	6115 & 6116	1 credit	Year	Grades 9-12

Health Sciences CTE

COURSE	Course #	CREDIT	OFFERED	OPEN TO
Health Occupations	9300	.5 credit	Semester	Grades 9-12

Mathematics

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Algebra I	2128 & 2129	1 credit	Year	Grades 9-12
Geometry	2225 & 2226	1 credit	Year	Grades 9-12
Honors Geometry	2227 & 2228	1 credit	Year	Grades 9-12
Algebra II	2301 & 2302	1 credit	Year	Grades 10-12
Honors Algebra II	2303 & 2304	1 credit	Year	Grades 10-12
Integrated Pre-Algebra	2211 & 2212	1 credit	Year	Teacher Placement
Math I-Integrated Algebra A & B	2311 & 2312	1 credit	Year	Teacher Placement

Physical Education

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Team PE Activities	9350	.5 credit	Semester	Grades 9-12
Individual PE Activities	9355	.5 credit	Semester	Grades 9-12
Weightlifting /Resistance Training	9360	.5 credit	Semester	Grades 9-12

Science

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Physical Science	3101 & 3102	1 credit	Year	Grade 9 - Required
Biology	3203 & 3204	1 credit	Year	Grade 10 - Required
Environmental Science	3160 & 3161	1 credit	Year	Grades 9-12

Social Science

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Civics	4100	.5 credit	Semester	Grades 9 -10 Required
Geography	4105	.5 credit	Semester	Grades 9-10 Required
Modern World History	4215	.5 credit	Semester	Grades 9-10 Required
Modern World History -Online	4225	.5 credit	Semester	Grades 9-10
Sociology	4315	.5 credit	Semester	Grades 9-12
Sports Leadership/Accountability	9020	.5 credit	Semester	Grades 9-12

Technical CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
CTE Auto I- Maintenance and Light Repair I	7200	.5 credit	Semester	Grades 9-12
CTE Auto II- Maintenance and Light Repair II/Diesel	7210	.5 credit	Semester	Grades 9-12
CTE Welding Tech I	8420	.5 credit	Semester	Grades 9-12
CTE Welding Tech II	7386	.5 credit	Semester	Grades 9-12
CTE Introduction to Construction	8171	.5 credit	Semester	Grades 9-12
CTE Cabinetry (Finish Carpentry)	8184	.5 credit	Semester	Grades 9-12

World Language

COURSE	COURSE #	Credits	Offered	Open To
Spanish I	8136 & 8137	1 credit	Year	Grades 9-12
Spanish II	8236 & 8237	1 credit	Year	Grades 9-12

Summer School Options Cost = \$100.00

***Personal Finance -Online	7126	.5 credit	Semester	Grades 9-12
***Modern World History	4225	.5 credit	Semester	Grades 9-12

Must have access to reliable Internet

May only register for one of the two courses offered

To register for summer School courses, use this link:

<https://forms.gle/7wpbtCf73H5qhCsb6>

Deadline for registration is March 24th, 2023

Please remember, registration is limited to one course only each summer.

**Intro to Business
7125****.5 credit****Semester****Grades 9-12****Prerequisite:** None

This course introduces students to the world of business – including the concepts, functions and skills required for meeting the challenges of operating a business on a local, national, and international scale. The course will focus on all aspects of business: the domestic and international economics, financial principles, management strategies, administrative and information systems, ethics, and organizational and professional leadership. Students will analyze the elements of the business environment and focus on attitudinal and problem-solving skills inherent to success.

COMPUTER SCIENCE- CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Computer Applications I	5600	.5 credit	Semester	Grades 9-12
Multimedia & Design- Computer Applications II	5610	.5 credit	Semester	Grades 9-12
Business Computer Applications I	7236	.5 credit	Semester	Grades 9-12

**Computer Applications I
5600****.5 credit****Semester****Grades 9-12**

In this course students will be exposed to variety of computer technology available in an ever-changing technological society. Applications taught include but are not limited to Apple's Pages (WP, Page Layout, SS), Microworlds EX Project Builder (Graphical Coding), HyperStudio (Multimedia Presentation Software), MS Office (Word, Excel), Adobe DreamWeaver (Website design), Photoshop (photo touchup and optimization) and iPhoto (Digital Slideshows). Additional training will include the use of scanner technology, digital cameras, and the ability to edit and prepare images for the Internet.

**Multimedia and Design (Computer Apps II)
5610****.5 credit****Semester****Grades 9-12**

Prerequisite: **Computer Applications I.** In this course students become webmasters using Adobe DreamWeaver to create and upload content to their websites throughout the semester. The use of Adobe Fireworks, Adobe Photoshop for image optimization and Adobe Flash to create vector-based web animations. Students will learn to build storyboards, shoot, edit and create commercials using the iMovie 10 software package and author a finished product to DVD via Apple's DVD. Students will also learn basic details about computers and the internal hardware, installation, and maintenance basics of computers. Throughout the course students will scan images and manipulate them with Adobe Photoshop. Students also learn to convert and mix music files in preparation for website use. All content is built into a student portfolio website that is published on the web and burned to a CD at the end of the semester.

**Computer Business Application
7236****.5 credit****Semester****Grades 9-12**

This class emphasizes the use of the MS Word, MS Excel, and MS PowerPoint applications in the MS Office suite to do a wide variety of tasks including creating professional looking documents such as business letters, personal documents, and research papers, as well as instructional presentations. Students may pursue certification in specialty areas based upon proficiencies.

ENGINEERING - CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Introduction to Engineering- PLTW	9010 & 9011	1 credit	Year	Grades 9-12

**Introduction to Engineering (PLTW)
9005 & 9006****1 credit****Year****Grades 9-12**

The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering

standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers and members of the professional community. This course uses a development process while enriching problem solving skills; students create and analyze models using specialized computer software. Student success is accomplished through a combination of activities-base, project-based, and problem-based learning. The course allows students to use sophisticated three-dimensional modeling software to improve existing products, invent new ones, and communicate the details of the products to others.

ENGLISH				
COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
English I	1201 & 1202	1 credit	Year	Grade 9-Required
Debate I	1170	.5 credit	Semester	Grades 9-12 (Fulfills Speech Requirement)
Oral Interpretation	1175	.5 credit	Semester	Grades 9-12 (Fulfills Speech Requirement)
Speech	1280	.5 credit	Semester	Grades 9-12-Required
Theatre I	1271	.5 credit	Semester	Grades 9-12

English I **1 credit Year Grade 9-Required**

1201 & 1202

Build a solid foundation for reading, writing, speaking, listening, and viewing skills. Learn to write grammatically correct sentences and apply them to compositions, reports, letters, and speeches. Learn the basics of research and note taking. Read and write about poetry, non-fiction, and short stories. Popular classics like Shakespeare’s *Romeo and Juliet*, Harper Lee’s *To Kill a Mockingbird*, and Homer’s *The Odyssey* will be explored. A book report over a novel is required for each quarter.

All Students must take either Speech, Debate I or Oral Interpretation

Speech I **.5 credit Semester Grade 9-12 Required**

1280

Learn and practice the basics of successful public speaking in individual and group presentations. Build informative and interesting speeches after formal library research. Learn to listen critically and evaluate constructively. Students must present five major speeches to earn credit.

OR

Debate **.5 credit Semester Grades 9-12**

1170

Students must obtain a signature from their most recent English teacher indicating that the teacher was consulted for their recommendation.

This class fulfills the speech requirement for graduation. This class is recommended for college bound students as an advanced speech class. Debate teaches students the fundamentals of competitive debate. Students also are given the opportunity to participate in the positive, fun-filled experience of travel to inter-scholastic debate tournaments.

OR

Oral Interpretation **.5 credit Semester Grades 9-12**

1175

Oral Interpretation is a class designed to challenge students to analyze, process, and develop the skills necessary to present various forms of literature in a performance format. Enhancement of verbal skills, critical thinking skills, listening skills, speaking skills, as well as creating an appreciation of multiple genres of literature will be the focus. Students will be expected to attend three events as well as the expected daily attendance. Does not meet the Opportunity Scholarship requirement currently.

English Electives

Theatre I

.5 credit

Semester

Grades 9-12

1271

Theatre I is a semester long intensive study incorporating play analysis, play direction, acting techniques such as Stanislavski, Adler, and Strasberg, Theatre history, stage management as well as period styles such as Renaissance, Greek/Roman, Edwardian/Victorian, Modern and Contemporary. Students will be expected to collaborate, read, write, analyze, synthesize, comprehend, and apply their knowledge in the above noted areas. There will be exploration into the area of theatre as a career and/or in conjunction with other careers. Students will scaffold inter-disciplines with Theatre from the western and eastern theories. Students need to be aware that this is a thorough, demanding, and rigorous class. Students do not have to complete this area of study to achieve access to *Theatre II*. May be used as a Fine Arts credit or an English credit.

FAMILY & CONSUMER SCIENCE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Nutrition and Wellness	8246	.5 credit	Semester	Grades 9-12
Nutritional Sciences	8247	.5 credit	Semester	Grades 9-12
Culinary Arts I- 2 blocks	8250	1 credit	Semester – 2 consecutive blocks	Grades 9-12

Nutrition and Wellness

.5 credit

Semester

Grades 9-12

8246

This class is a semester course designed to make students aware of nutritional needs. Students will explore and gain knowledge related to nutrition concepts and food preparation principles that preserve the nutritional values of foods. This information will be applied to each of the five food groups in food preparation. Major projects include a dietary analysis and a guest meal. Students who take this class should enjoy cooking, be interested in learning to prepare food, and like to eat and enjoy working in groups. Students interested in Culinary Arts I should take this class.

Culinary Arts Program-

The Culinary Arts program is a two-year industry-based program that prepares students for careers in the restaurant and food service industry. Year one will be offered in the fall and year two will be offered in the spring. There is a state culinary competition in the spring. Internship opportunities are also available. Students who complete year one, year two, and the internship can receive certification. Parts of this class will articulate to MTI's Culinary Arts Program. For more information check out the web site – <http://www.nraef.org/prostart/students>.

Culinary Arts I

1 credit

Semester (2 consecutive blocks) Grades 10-12

8250

Topics addressed in Culinary Arts I include the following: the history of food service; introduction to baking; sandwich making; the art of service; successful customer relations; preparing and serving safe food; preventing accidents and injuries; kitchen basics; foodservice equipment; stocks, soups, and sauces; salad making; working with people: management; business math; and building careers in the food industry; Students will go through the SERV Safe training. Guest speakers and field trips are also included. Two blocks every other day in one semester

FINE ARTS
ART- Visual and Dramatic

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Introduction to Art Fundamentals-CTE	6250	.5 credit	Semester	Grades 9-12
Pottery	6255	.5 credit	Semester	Grades 9-12
Crafts	6260	.5 credit	Semester	Grades 9-12
Drawing	6265	.5 credit	Semester	Grades 9-12
Painting	6275	.5 credit	Semester	Grades 9-12
Sculpture	6355	.5 credit	Semester	Grades 9-12

Introduction to Art Fundamentals-CTE **.5 credit Semester Grades 9-12**
6250

Students will be introduced to the different aspects of art including but not limited to art careers, typography, drawing, painting, pottery, sculpture, art criticism, art history, and aesthetics. Students will apply the elements of art and principles of design into their artwork.

Pottery **.5 credit Semester Grades 9-12**
6255

This class will focus on creating three-dimensional works of art using clay and ceramic materials. Students will learn the basics of hand building including pinch, slab, coil, and slump. They will also experience throwing on a pottery wheel. Students will use a variety of glazes and decorating techniques as well as become familiar with different firing techniques which may include Raku and low fire/high fire stoneware.

Crafts **.5 credit Semester Grades 9-12**
6260

This class will introduce students to the multicultural side of art. Students will focus on multicultural crafts which may include batik, tie-dye, mosaic, clay, and weaving dreamcatchers.

Drawing **.5 credit Semester Grades 9-12**
6265

This class will focus on two-dimensional work. Students will work with several types of media which may include pencil, charcoal, pastel, markers, oil crayons, and other non-traditional mediums. Students will study different techniques which may include stippling, cross-hatching, contour, grid, 1–4-point perspective, and foreshortening.

Painting **.5 credit Semester Grades 9-12**
6275

This class will focus on two-dimensional work building basic knowledge of tools, materials, and techniques. Students will work with several types of media which may include watercolors, acrylics as well as some mixed media. Students will learn color theory as well as painting different subject matters. Students will also spend time investigating famous artists.

Sculpture **.5 credit Semester Grades 9-12**
6355

This class will consist of students creating three-dimensional design in the form of modeling, molding, casting, carving, construction, and assemblage. Students will create various types of sculptures using different mediums which may include clay, plaster casting, found objects and foam.

MUSIC—Instrumental (Counts as Fine Arts credit)

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Marching Band	6101	.5 credit	Semester	Grades 9-12
Color Guard	6105	.5 credit	Semester	Grades 9-12
Concert Band	6104	.5 credit	Semester	Grades 9-10
Music Technology- First Semester	6107	.5 credit	Semester	Grades 9-12
Music Theory- Second Semester	6315	.5 credit	Semester	Grades 9-12

Students must enroll in BOTH Marching Band and Concert Band.

Marching Band **.5 credit Semester Grades 9-12**

6101

- Meets before school and during 1st period on Black days.
- Marches and or plays at all home football games (weather permitting)
- Participates in several marching competitions in South Dakota, Iowa, Nebraska, and Minnesota.
- Makes out of town trips as the occasion demands.

Color Guard **.5 credit Semester Grades 9-12**

6105

- The Color Guard is auditioned in the Spring. Training will be held prior to the auditions.
- Rehearsals for Color Guard run in conjunction with the Marching Band schedule and continue every 1st block through the end of 1st semester.
- End of the outdoor marching season through the end of 1st semester, the class is project based. Students will choose music, choreograph, and write a routine using their choice of color guard equipment. Performance of this routine will be the final exam. Students can choose to do this or play with the Band in the winter concert if they play an instrument.

Concert Band **.5 credit Semester Grades 9-10**

6104

This course is composed of primarily freshman and sophomores. This course is designed to give the student an enriching and diverse instrumental music education. This class provides several performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the band program, group effort and cooperation are necessary to a successful program. Class activities emphasize the development of instrument technique, tone production tuning, fundamentals of music theory, music, reading, and listening skills. There are very few extra-curricular commitments beyond the concerts. Both bands travel every 4 years to locations to be determined by those students. Past locations have been San Francisco, Los Angeles, New York City, and Orlando.

Music Technology **.5 credit Semester Grades 9-12**

6107

The purpose of the MHS High School Music Technology program is to introduce and foster the study and practice of where technology and music worlds intersect. This program serves all of the following: the student with no prior musical experience, the students who already study an instrument in the school system, the students who take private lessons or the students who have learned about music or an instrument in a less formal fashion.

Students will be provided hands-on experience with the technology in order to gain a first-hand understanding of the cutting- edge innovations that exist in the Music Technology realm.

Music Theory **.5 credit Semester Grades 9-12**

6315

This class covers the fundamentals of music theory including notation scales and keys, rhythms, intervals, triads, basic analyzing, and part writing. It is preferred but not required that you have either been involved in an instrumental or vocal music class or have basic note-reading skills.

MUSIC—Vocal (Counts as Fine Arts credit)

All vocal groups appear in various concerts yearly. Members of the choir are eligible to audition for All-State Chorus.

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Treble Clef Choir– Treble Voices	6113 & 6114	1 credit	Year	Grade 9-12
Bass Clef Choir – Bass Voices	6115 & 6116	1 credit	Year	Grades 9-12

Treble Clef Choir **1 credit** **Year** **Grades 9-12**
6113 & 6114

Treble Clef Choir Description:

Treble Clef Choir is a non-auditioned choir open to all Soprano/Alto singers in high school. All 9th grade Soprano/Alto singers who sign up for choir will be in this choir class together in addition to any 10-12 grade Soprano/Alto singers who want to be in this choir. No audition is required, and all are welcome to join at any time! Students in Treble Clef Choir will gain knowledge of proper vocal technique, develop music reading skills, develop knowledge of musical terms and symbols, gain confidence, and poise during public performance, and develop awareness for the arts as a vital part of lifelong learning. Treble Clef Choir performs in four traditional concerts each year as well as the SDHSAA Large Group Contest.

Bass Clef Choir **1 credit** **Year** **Grades 9-12**
6115 & 6116

Bass Clef Choir Description:

Bass Clef Choir is a non-auditioned choir open to any Tenor/Bass singers in high school. All 9th grade Tenor/Bass singers who sign up for choir will be in this choir class together in addition to any 10-12 grade Tenor/Bass singers who want to be in this choir. No audition is required, and all are welcome to join at any time! Students in Bass Clef Choir will gain knowledge of proper vocal technique, develop music reading skills, develop knowledge of musical terms and symbols, gain confidence, and poise during public performance, and develop awareness for the arts as a vital part of lifelong learning. Bass Clef Choir performs in four traditional concerts each year as well as the SDHSAA Large Group Contest.

HEALTH SCIENCES - CTE

COURSE	COURSE #	CREDIT	OFFERED	OPEN TO
Health Occupations I	9300	.5 credit	Semester	Grades 9-12

Health Occupations I **.5 credit** **Semester** **Grades 9-12**
9300

This class is designed to expose the student interested in pursuing a career in the health care setting to the different occupations and work settings in the health care field. Students will be exposed to the different educational requirements, job demands, work settings, medical terminology, and practices of health care work.

MATH

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Algebra I	2128 & 2129	1 credit	Year	Grades 9-12
Geometry	2225 & 2226	1 credit	Year	Grades 9-12
Honors Geometry	2227 & 2228	1 credit	Year	Grades 9-12
Algebra II	2301 & 2302	1 credit	Year	Grades 10-12
Honors Algebra II*	2303 & 2304	1 credit	Year	Grades 10-12
Integrated Pre-Algebra	2211 & 2212	1 credit	Year	Teacher Placement only
Math I–Integrated Algebra A & B	2311 & 2312	1 credit	Year	Teacher Placement only

Consult with your current math teacher regarding which math class is appropriate.

Algebra I **1 credit** **Year** **Grades 9-12**
2128 & 2129

This class is required for graduation.

This first-year course in Algebra integrates geometry, statistics, and probability into algebra concepts. Algebra is rich in applications and problem solving. Real-life situations provide the setting for practicing algebra skills. Students are expected to utilize current technologies. Scientific calculators are used throughout the course. Topics will include the basic operations viewed through algebra, lines and their properties, exponents and polynomials, systems, quadratics, and functions.

Geometry **1 credit** **Year** **Grades 9-12**
2225 & 2226

Geometry is the foundation for mathematics required in all technical fields of study. Geometry stresses terminology and concepts of mathematics, as well as, playing a fundamental role in strengthening the concepts studied in Algebra. It uses coordinates and transformations in both two and three dimensions. It discusses networks, if-then statements, reflections, polygons, congruency, similarity, and introduces trigonometry. Geometry includes two column proofs and applications in logic and indirect reasoning. The students will be expected to read each lesson and have their assigned homework completed. The lessons have been constructed to combine gradual practice with a mastery learning approach and reinforced through review questions and succeeding lessons. Students will be expected to do up to 3 hours of homework per week.

Honors Geometry **1 credit** **Year** **Grades 9-12**
2227 & 2228

Geometry is the foundation for mathematics required in all technical fields of study. Geometry stresses terminology and concepts of mathematics, as well as, playing a fundamental role in strengthening the concepts studied in Algebra. It uses coordinates and transformations in both two and three dimensions. It discusses networks, if-then statements, reflections, polygons, congruency, similarity, and introduces trigonometry. Geometry includes two column proofs and applications in logic and indirect reasoning. The students will be expected to read each lesson and have their assigned homework completed. The pace of the class will be determined by the concepts to be covered. Students will be expected to do at least 4-5 hours of homework per week.

Algebra II **1 credit** **Year** **Grades 10-12**
2301 & 2302

This is a study of fundamental operations of algebra. Some topics covered in addition to the extension of Algebra I will include the following items: variations and graphs, linear relations, matrices, systems, quadratic equations, functions, powers and roots, exponents and logarithms, trigonometry, polynomials, series, combinations, statistics, dimensions, and space. Students will be expected to do up to 3 hours of homework per week.

Honors Algebra II **1 credit** **Year** **Grades 10-12**
2303 & 2304

This is a study of fundamental operations of algebra. Some topics covered in addition to the extension of Algebra I will include the following items: variations and graphs, linear relations, matrices, systems, quadratic equations, functions, powers and roots, exponents and logarithms, trigonometry, polynomials, series, combinations, statistics, dimensions, and space.

The students will be expected to read each lesson and have their assigned homework completed. The pace of the class will be determined by the concepts to be covered. Students will be expected to do at least 4-5 hours of homework per week.

A TI-83 or TI -84 calculator is required for all upper-level math classes

Integrated Pre-Algebra**1 credit Year Grades 9-12****2211 & 2212 (Teacher Recommendation only)**

The student develops skills in fundamental math concepts necessary to be successful in future math courses. Skills such as basic math facts, measurement, estimation, and graphing will be stressed. These skills will be used in real-world applications integrating algebra, geometry, and data handling. This course is designed to place the student in an active role in the learning process.

Math I /Integrated Algebra I**1 credit Year Grades 10-12****2311 & 2312 (Teacher Recommendation only)****Prerequisite:** Integrated Pre-Algebra – Teacher Recommendation only

Students will continue to build upon basic math concepts while applying problem solving strategies. Drill and practice as well as story problems will be used to master algebraic process. These skills will be used in real-world applications.

PHYSICAL EDUCATION				
COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Team PE Activities	9350	.5 credit	Semester	Grades 9-12
Individual PE Activities	9355	.5 credit	Semester	Grades 9-12
Weightlifting/Resistance Training	9360	.5 credit	Semester	Grades 9-12

Team Activities**.5 credit Semester Grades 9-12****9350**

This course will include health, softball, indoor soccer, speedball, volleyball, and floor hockey. Students will learn basic skills and rules for each activity. Students will participate in various flexibility and cardiovascular workouts.

Individual Activities**.5 credit Semester Grades 9-12****9355**

This course will include health, bowling, archery, badminton, and pickle ball. Students will learn basic skills and rules for each activity. Students will participate in various flexibility and cardiovascular workouts.

Weightlifting/Resistance Training**.5 credit Semester Grades 9-12****9360**

This course will include health, methods of lifting, proper lifting techniques, weight room safety, and recording/charting of each student's lifting. Students will learn the muscles affected by individual lifts and general weightlifting information. Students will participate in various flexibility and cardiovascular workouts.

SCIENCE				
COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Physical Science	3101 & 3102	1 credit	Year	Grade 9 Required
Biology	3203 & 3204	1 credit	Year	Grade 10 Required
Environmental Science	3160 & 3161	1 credit	Year	Grades 9-12

Physical Science**1 credit Year Grade 9 Required****3101 & 3102**

Physical Science is a course designed to foster an appreciation for and an understanding of our physical surroundings. Areas of study include basic concepts in chemistry and physics. Lessons include laboratory work, lecture/discussion, demonstrations, and projects.

Biology
3203 & 3204

1 credit Year Grade 10 Required

Biology is the study of living things, how they are alike and different, the relationships among living systems and the interaction of organisms with their environment. Areas of study include human anatomy and physiology, invertebrate and vertebrate zoology, ecology, genetics, evolution, microbiology, plant anatomy and physiology, and other key topics. Lab activities, discussion, demonstrations, and lectures are utilized.

Environmental Science
3160 & 3161

1 credit Year Grades 9-12

This course is meant to foster an understanding of the way everything is connected, and the issues related to the environment. Environmental Science focuses on Earth's resources, ecology, sustainable practices, and how humans interact with the environment. Students will be involved in a variety of labs and discussions. Anyone with an interest in science or related career goals is welcome.

SOCIAL SCIENCE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Civics	4100	.5 credit	Semester	Grades 9 -10 Required
Geography	4105	.5 credit	Semester	Grades 9-10 Required
Modern World History	4215	.5 credit	Semester	Grades 9-10 Required
Modern World History–Online	4225	.5 credit	Semester	Grades 9-10 Online Option
Sports Leadership/Accountability	9020	.5 credit	Semester	Grades 9-12

Civics
4100

.5 credit Semester Grades 9-10

Civics is a course designed to enlighten the student on the basic political system under which this country functions. The course guides the students in their study of the following: county and township government, city government, state government, voting and elections, federalism, constitutional checks and balances, Congress, the president and the cabinet, and the court system.

Geography
4105

.5 credit Semester Grades 9-10 Required

The purpose of the course is to gain a better understanding of the world we live in and to explore the various themes of geography. Major focus is given to different cultures, governments, economies, and natural occurrences. With approval, this class is open to 9th graders.

Modern World History
4215

.5 credit Semester Grades 9-10 Required

This World History course focuses on the 20th century, from the Rise of Hitler to present day. The course emphasizes the connection history has to modern day world political and economic issues. The course looks at history on a regional basis, starting with the Middle East and the causes and effects of September 1,2001, and ending with a study of recent European history back to the cause and effects of WWII. A general look at the Cold War and its impact on South America, Asia, and Russia is also studied. Some of the specific world topics that are explored include genocide, nuclear weapons, and terrorism, including organizations like al Qaeda and ISIS. A variety of sources, including films and documentaries, are used throughout the course.

Modern World History – Online
4225

.5 credit Semester Grade 9-10

This semester-long course that is offered fully on-line examines the major events and turning points of world history from the Renaissance to today. Students explore the economic, political, and social revolutions that have transformed human history. Finally, students conduct a rigorous study of modern

history, allowing them to draw connections between past events and modern issues. Students will use a variety of primary and secondary sources to evaluate the reliability of historical evidence and to draw conclusions about historical events. Finally, students will sharpen their writing skills in shorter tasks and assignments as well as by writing informative and argumentative essays. This class will cover topics including Nationalism, Imperialism and the Great War, World War II, the Cold War, and modern issues such as Genocide and unrest in the Middle East.

Sociology

.5 credit Semester Grades 9-12

4315

Sociology is the study of human group relationships and society. The class provides a broad study of sociology including, a brief history and introduction to sociology; society, culture, and social problems; social movements and social institutions (family, education, religion, economy, and government); human development, and career opportunities in sociology. The course offers a variety of learning opportunities including videotapes, individual and group work, class activities, guest lecturers, and discussion.

Sports Leadership and Accountability

.5 credit Semester Grades 9-12

9020

This course focuses on the development of student-athlete's leadership and personal accountability specific to within the athletic setting. This course will train student-athletes how to take full responsibility for themselves by owning their choices, decisions, and actions. It will also show athletes how their attitudes and actions significantly impact their teammates and coaches' success and reputation. Course will be offered in a hybrid format with occasional in-person class sessions as well as online class components. This is a hybrid class; meetings are sometimes held during SRB.

TECHNICAL - CTE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
CTE Auto I- Maintenance and Light Repair I	7200	.5 credit	Semester	Grades 9-12
CTE Auto II Maintenance and Light Repair II/Diesel	7210	.5 credit	Semester	Grades 9-12
CTE Welding Tech I	8420	.5 credit	Semester	Grades 9-12
CTE Welding Tech II	7386	.5 credit	Semester	Grades 9-12
CTE Introduction to Construction	8171	.5 credit	Semester	Grades 9-12
CTE-Cabinetmaking (Finish Carpentry)	8184	.5 credit	Semester	Grades 9-12

CTE Auto I Maintenance and Light Repair I

.5 credit Semester Grades 9-12

7200

This is an entry level course where students will learn basic maintenance procedures and safe work practices. Topics covered include shop safety, tools, under hood inspection, changing oil and tires and an introduction to brakes and steering systems.

CTE Auto II –Maintenance and Light Repair II

.5 credit Semester Grades 9-12

7210

Prerequisite: Auto I. Auto II will continue to build on skills students learned in Auto I. Various topics covered will be scan tools and diagnostics, circuit testers, pre delivery inspections, dash warning lights, safety belts and air bag systems.

CTE Welding Tech I

.5 credit Semester Grades 9-12

8420

This course offers an introductory shop experience in developing skills in basic welding, metal working, and metal construction. Students will gain experience in shielded metal arc welding (stick welding) and gas metal arc welding (wire feed welding). Students will also learn to use the oxyfuel cutting torch and plasma torch. Basic tape measure reading, and weld symbols are also covered. All personal projects must have prior approval by the instructor.

**CTE Welding Tech II
7386**

.5 credit Semester Grades 9-12

Students will expand on skills learned in Welding Tech I by doing vertical down and vertical up welding techniques in the GMAW and SMAW process. Students will also learn how to operate various other tools of the welding trade such as the band saw, Scotchman, chop saw, pedestal grinder, etc. Students will have time for larger scale projects in this class upon successful completion of assigned welds. Advanced welding symbols will also be covered in this course. Safety training must be completed prior to student entering lab.

**CTE Introduction to Construction
8171**

.5 credit Semester Grades 9-12

This course will introduce students to the construction industry. We will cover many different topics where students will be able to complete hands-on activities to enhance the learning process. Starting with shop safety and ending with individual projects, students will be able to perform all basic skills involved in wood shop by the completion of this course.

**CTE Cabinetmaking (Finish Carpentry)
8184**

.5 credit Semester Grades 9-12

Prerequisite: Introduction to Construction

Prerequisite: Intro to Construction

Students will delve into what it takes to be a master woodworker. We will go over many of the unique techniques that it takes to complete a piece of furniture or cabinet. Students will learn how to utilize hand-held equipment along with learning how to operate specialized machinery including a CNC router table. Students will take part in class projects before being able to work on individual projects.

WORLD LANGUAGE

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Spanish I	8136 & 8137	1 Credit	Year	Grades 9-12
Spanish II	8236 & 8237	1 Credit	Year	Grades 9-12
Spanish III***	8336 & 8337	1 Credit	Year	Grades 10-12

**Spanish I
8136 & 8137**

1 credit Year Grades 9-12

Spanish 1 is an introduction Spanish speaking and writing. It is recommended to have a B or higher in English class.

**Spanish II
8236 & 8237**

1 credit Year Grades 9-12

Spanish 2 is a continuation of the knowledge learned in Spanish 1. Emphasis will be on communicating in the past tense. Students must have received credit in Spanish 1 to sign up for Spanish 2

Spanish III*
8336 & 8337**

1 credit Year Grades 10-12

Spanish 3 is offered for dual credit. Students will expand their vocabulary, review basic grammar, learn the subjunctive mood, and read short stories. Emphasis is on communication in Spanish.

MHS Online Opportunities

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Personal Finance - Online	7126	.5 credit	Semester	Grades 9-12 Online Option
World History-Online	4225	.5 credit	Semester	Grades 9-12 Online Option

Online Summer School Opportunities- Cost \$100.00/Class

COURSE	COURSE #	CREDITS	OFFERED	OPEN TO
Personal Finance – Online	7126	.5 credit	Summer	Grades 9-12 Online
World History Modern – Online	4225	.5 credit	Summer	Grades 9-12 Online

To register for summer School courses, use this link:

<https://forms.gle/PC89kPqgHCjVBxUUA>

Deadline for registration is March 24, 2023

Please remember, registration is limited to one course only each summer.

Other Academic Opportunities-

1. Students can take on-campus classes at MTC and DWU at a reduced rate.
2. All classes must be approved by the MHS Guidance office.
3. Students' must assume responsibility for registering through the guidance office and paying for all classes off campus.
4. Students may be responsible for their own technology, class materials, books, software, security, etc.); however, school issued laptops may be used for courses.
5. All grades from post-secondary institutions will be recorded on your Mitchell Senior High transcript. Failing a dual credit class will impact the ability to enroll in other dual credit classes.
6. Grades earned in dual credit classes will appear on your college transcript and high school transcript.