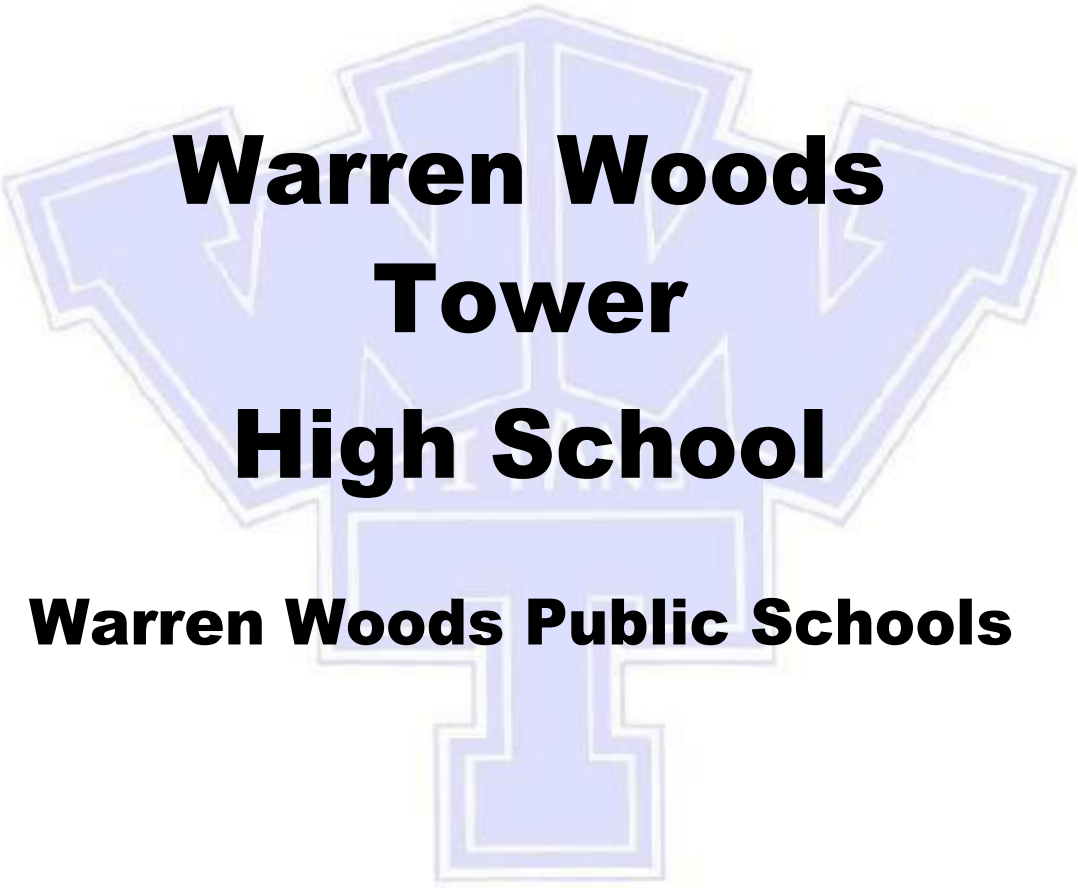


The logo is a large, stylized letter 'W' in a light blue color with a white outline. It has a geometric, blocky design. The text 'Warren Woods Tower High School' is centered over the 'W' in a bold, black, sans-serif font.

Warren Woods Tower High School

Warren Woods Public Schools

Instructional Program Course Descriptions

2026-2027

Jason Henshaw, Principal

Colleen Gruben, Assistant Principal • Daniel Graves, Assistant Principal

Stacey Denewith-Fici, Superintendent

Course Descriptions are available on-line at

<http://www.warrenwoods.misd.net/ourschools/warren-woods-tower-high-school/>

Nondiscrimination Policy

In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, and the Elliott-Larsen Civil Rights Act of 1977, it is the policy of the Warren Woods School District that no person shall, on the basis of race, color, religion, national origin or ancestry, gender/sex, age, disability, height, weight, or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or inemployment. For information, contact (586) 439-4401.

Inquiries related to discrimination on the basis of disability should be directed to: Stacie Sward, 504 Coordinator, 12900 Frazho Rd., Warren, MI 48089.(586) 439-4464.

Direct all other inquiries related to any other discrimination to: Stacey Denewith-Fici, Superintendent, 12900 Frazho Rd., Warren, MI 48089.(586) 439-4457.

Grievance Procedures

FOR
TITLE VI OF THE CIVIL RIGHTS ACT OF 1964 TITLE
IX OF THE EDUCATION AMENDMENT ACT OF 1972
SECTION 504 OF THE REHABILITATION ACT OF 1973
AGE DISCRIMINATION ACT OF 1975
TITLE II OF THE AMERICANS WITH DISABILITIES ACT OF 1990

Section I: Any person believing that the Warren Woods School District or any part of the school organization has inadequately applied the principles and/or regulations of (1) Title VI of the Civil Rights Act of 1964, (2) Title IX of the Education Amendment Act of 1972, (3) Section 504 of the Rehabilitation Act of 1973 (4) the Age Discrimination Act of 1975, and/or (5) Title II of the Americans with Disabilities Act of 1990, may bring forward a complaint, which shall be referred to as a grievance to Civil Rights Coordinator, Stacey Denewith-Fici, Superintendent, 12900 Frazho Rd., Warren, MI 48089, (586) 439-4457.

Section II: The person who believes a valid basis for grievance exists shall discuss the grievance informally and on a verbal basis with the Civil Rights Coordinator, who shall in turn investigate the complaint and reply with an answer within five (5) business days. If the complainant feels the grievance is not satisfactorily resolved, they may initiate formal procedures according to the following steps.

Step 1: A written statement of the grievance signed by the complainant shall be submitted to the local Civil Rights Coordinator within five (5) business days of receipt of answers to the informal complaint. The coordinator shall further investigate the matters of grievance and reply in writing to the complainant within five (5) business days.

Step 2: A complainant wishing to appeal the decision of the local Civil Rights Coordinator may submit a signed statement of appeal to the Superintendent of Schools within five (5) business days after receipt of the Coordinator's response. The Superintendent shall meet with all parties involved, formulate a conclusion, and respond in writing to the complainant within ten (10) business days of the meeting.

Step 3: If unsatisfied, the complainant may appeal through a signed, written statement to the Board of Education within five (5) business days of receiving the Superintendent's response in Step 2. In an attempt to resolve the grievance, the Board of Education shall meet with the concerned parties and their representative within forty (40) days of the receipt of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each concerned party within ten (10) days of this meeting. The decision of the Board of Education is final.

Inquiries concerning nondiscrimination may be directed to the Regional U.S. Department of Education/Office for Civil Rights, 600 Superior Avenue East, Suite 750, Cleveland, OH 44114-2611. Anyone at any time may contact the U.S. Department of Education/Office for Civil Rights for information and/or assistance at (216) 522-4970. The local Coordinator, on request, will provide a copy of the district's grievance procedure and investigate all complaints in accordance with this procedure. A copy of each of the acts and the regulations on which this notice is based may be found in the Civil Rights Coordinator's office.

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Warren Woods Tower

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SMTEC

Course Descriptions

For complete descriptions of Career Technical Education (CTE) courses offered through the Southwest Macomb Technical Education Consortium (SMTEC) visit the *Warren Woods Tower homepage* and click on *Counseling*, then *Course Book SMTEC*.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Introduction

The instructional program handbook is designed to aid the student and parent in selecting a course of study through the four years of high school. Please pay attention to graduation requirements and the various possible courses offered. If you take the time to study the handbook, it may save you the worry and uncertainty of not knowing what courses you need for a specific career, technical or college course of study.

Class Selection

The following information has been compiled with the hope that it will be of some assistance to you and your parents as you prepare to select classes for your next year in high school.

You should become aware of graduation requirements, as well as the course descriptions provided in this manual, so you can discuss intelligently your class selection with your parents, counselor, and teachers. Certainly, your selection of classes should be influenced by career plans, interests and abilities, as well as graduation requirements. If you have any questions before the preregistration date, you should consult your counselor before making your final decision in selecting your classes.

The following specific points might help you make more intelligent choices for your future course selections and must be considered.

1. Students who earn the required number of credits prior to the June graduation date of their class may be categorized as having graduated at the time of completion provided a written request is submitted to the principal by the parent (or guardian) at least three calendar months before the final credits are earned. This individual may, upon request, participate in the commencement exercises of his/her class in June.
2. To be awarded a diploma from high school, students must earn the number of credits required as indicated on page 5 (see Graduation Requirements). A credit to be satisfactory must be graded at a minimum of a grade of "D-".
3. Students receive one-half (1/2) credit for each course successfully completed each semester. Students receiving credit for career-technical externship education should consult course descriptions which explain credit hours awarded for this experience.
4. All students must select six classes for each semester.
5. Students should plan their schedule in accordance with their post high school plans. Those students planning to attend college should check the specific admission requirements for the college of their choice. Your counselor will advise you in these matters.
6. Students must consider the relationship of their abilities and interests to the courses chosen.
 - A. Prerequisites to courses and previous success in similar courses should be factors of consideration.
 - B. Any student in doubt about further courses in a particular subject area should consult with his/her teachers and counselors.
 - C. All teachers will be available to assist you with your course selections in the subject area.
7. Students should have tentative course plans prior to consulting with teachers and counselors.
8. Students must consider prerequisites to courses, as well as course selections appropriate to their grade levels. Example: courses listed as ninth grade offerings must be selected by ninth graders; however, tenth graders may select ninth and tenth grade classes. Eleventh graders may select ninth - eleventh grade classes and seniors may select ninth - twelfth grade classes.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Graduation Requirements

Warren Woods Public Schools require a minimum number of credits for graduation. Within these credits there are certain courses that the Board of Education has established as required or recommended. ADV & AP courses may fulfill core graduation requirements.

Minimum Credits	
22	
English (4)	
English I	1
English II	1
English III	1
English IV or English Electives	1
Social Studies (3)	
Global Economics	1/2
(w/Personal Finance- Class of 2028+)	1/2 (Class of 2028+)
Civic Education	1/2
U.S. History	1
World History	1
Science (3)	
Physics or Chemistry (Includes Chem/Physics Essentials)	1
Biology	1
Science Electives	1
Mathematics (4)	
Algebra I	1
Geometry	1
Algebra II	1
Math Elective and/or Math Related in Senior Year	1
Physical Education (1)	
Physical Education Fundamentals	1/2
Physical Education Elective	1/2
Visual, Performing, & Applied Arts (1)	
	1
World Language (2)	
	2
Electives (4)	
	4
	3 ½ (Class of 2028+)

* Indicates One Semester Class

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Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Classes Available By Grade

Classes offered in the high school are listed below by the grade in which they may first be elected. However, they may be taken in subsequent years. The number of student requests for each course determines which courses will run.

Please note prerequisites for classes which are listed in the course descriptions. (For Course Description visit the Warren Woods Tower homepage and click "Counseling")

Ninth Grade

Business Education

Intro to Business *

Marketing I # +

CTE Arts & Communication

Digital TV Production +

CTE Human Services

Hospitality/Food Service I #+

English

English I

ADV English I

Explorations in Reading

Fine Arts

Art Foundations *+

Art II *+^

Musical Theatre *+

ADV Music Theatre *+^

Choir I +

Band-Marching & Symphony +

Guitar I *+

Guitar II *+^

Drawing & Painting I *+^

3-D Design Studio I *+^

Jazz Band+

Mathematics

Geometry

Algebra I

ADV Geometry

Algebra Support

Other

Computer Programming 1#

Web Page Design I

AP Computer Science Principles+

College

Physical Education

ADV Sport Techniques*

(only with varsity coach recommendation)

Leisure Time Sports *

Personal Fitness *

Physical Education *

Physical Ed Fundamentals *

Team Sports *

Weight Training *

Science

Chemistry/Physics Essentials

ADV Chemistry/Physics Essentials

ADV Biology

Social Studies

Global Economics *

ADV Global Economics *

Civic Education *

ADV Civic Education *

Public Speaking in our Modern World*

Women's History*

World Language

French

Spanish

Tenth Grade

Business Education

Accounting Ia & Ib #+

Marketing II # +

CTE-Arts & Communication

Digital TV Production II +

CTE-Engineering,

Manufacturing,

And Industrial Technology

Auto Tech ++

Drafting I/CAD ++

CTE Health Services

Medical Assistant #+

Nursing Assistant #+

(may be taken as a

Science elective)

MCS-Anatomy & Physiology

(may be taken as a

Science elective)

MCS-Medical Terminology

CTE Human Services

Hospitality/Food Services II #+

ROTC I+

English

English II

ADV English II

Journalism I *

Dystopian Fiction *

Fine Arts

Drawing & Painting II*+^

ADV Drawing & Painting II*+^

3-D Design Studio II*+^

3-D Design Studio III*+^

Mathematics

Algebra II

ADV Algebra II

Geometry

ADV Geometry

Math Literacy

Geometry Support

AP Cybersecurity

Science

Biology

ADV Biology

AP Biology

Chemistry

ADV Chemistry

AP Chemistry

Physics#

ADV Physics#

AP Physics#

Social Studies

U.S. History

AP U.S. Government & Politics

AP U.S. History

AP World History: Modern

Behavioral Science*

History & Cinema*

Law & Order*

Student Leadership

Personal Finance*

World Affairs*

World Language

French

Spanish

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Classes Available By Grade

Eleventh Grade

Business Education

Accounting II/Computerized # +
Sports & Entertainment

CTE-Engineering Manufacturing & Industrial Technology

Auto Tech II #+
Drafting/CAD II #+
Manufacturing Tech I #+
Welding +
Heavy Equipment Tech+

English

English III
ADV English III
AP English Lang & Comp
Journalism II (Newspaper)
Journalism III (Yearbook)
Shakespeare*
Creative Writing*
Academic Success*

Fine Arts

ADV Drawing & Painting IV*+^
ADV Portfolio*+^

CTE-Arts 7 Communication

Graphic Communication I+ #

CTE-Human Services

Baking & Pastry
Food Service Management
Cosmetology I +
Law Enforcement +
ROTC II +
Dispatch 911 & Criminology

CTE-Health Services

Emergency Medical Services #+
Firefighting +
Dental Assistant +
Physical Therapy Aide I+#
Exploration into Health Careers

Mathematics

Pre- Calculus
AP Pre-Calculus
Extended Algebra II (1st year)
Probability & Statistics I &II*
AP Statistics

Science

AP Chemistry
Environmental Science*
Forensic; Basics of Evidence*
Forensic; Science Criminalists*
Genetics*
Marine Science*
Zoology

Social Studies

World History
Surviving Life after
High School *
AP Psychology

World Language

French
Spanish

Twelfth Grade

Business Education

Marketing Internship
Business Services Externship

CTE-Arts & Communication

Graphic Communication II + #

CTE-Engineering

Manufacturing & Industrial Technology
Auto Tech III #+
Auto Tech Externship

Drafting/CAD III +

Manufacturing Tech II + #

CTE-Health Sciences

Dental Assistant II + #
Physical Therapy Aide II+
Health Science Externship

CTE-Human Services

Cosmetology II +
Educational Careers Program +
ROTC III +

English

English IV
AP English Literature & Comp

Fine Arts

ADV Portfolio II*

Mathematics

AP Calculus
Extended Algebra II (2nd Year)
Consumer Math*

World Language

French
Spanish

* Indicates One Semester Class
Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)
Career Pathways

AP - Indicates Advanced Placement
^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

WWT NCAA APPROVED CLASSES

This page is a list of every NCAA approved class that WWT offers. Please use this information if you are planning to play sports at any NCAA college or university. Please note if you do not see a course listed below it has not been approved by the NCAA, this includes all hybrid sections of classes.

ENGLISH

English I

English II

English III

English IV

RR English I

RR English II

RR English III

RR English IV

ADV English I

ADV English II

ADV English III

AP English Lang & Comp

AP English Literature & Comp

Creative Writing

Journalism I

SOCIAL SCIENCE

Civic Education

Global Economics

ADV Civic Education

ADV Global Economics

World History

United States History

AP World History Modern

AP US Government & Politics

AP United States History

World Affairs

Behavioral Science

Law & Order

AP Psychology

Mathematics

Algebra I

Geometry

Algebra II

RR Algebra I

RR Algebra II

ADV Geometry

ADV Algebra II

Pre-Calculus

ADV Pre-Calculus

Ext Algebra II 1st Year (.5CU/YR MAX)

Ext Algebra II 2nd Year (.5CU/YR MAX)

Probability & Statistics

Probability & Statistics II

College Algebra

AP Statistic

AP Calculus

AP Computer Science Principles

AP Cybersecurity

AP Precalculus

Natural/Physical Science

Chemistry & Physics

ADV Chemistry & Physics

Biology

ADV Biology

Chemistry

ADV Chemistry

Physics

ADV Physics

Environmental Science

Forensic Science Basics of Evidence

Forensic Science Criminalists

Marine Science

Genetics

Medical Careers and System: Anatomy &

Physiology

AP Biology

AP Chemistry

AP Physics

WORLD LANGUAGE

French I

French II

Adv French III

ADV French IV

Spanish I

Spanish II

ADV Spanish III

ADV Spanish IV

AP Spanish

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Career Pathways



Arts & Communication

The Arts & Communication pathways are programs of study related to the humanities and to the performing, visual, literary, and media arts. Statistics show that people who are successful in this pathway have many of the following interests, skills, and abilities.

Interests:

- Being artistic
- Speaking in front of others
- Working with designs
- Frequenting movies, theatre, concerts, and art museums
- Being self-expressive
- Working with patterns
- Creating things
- Focusing on projects
- Being flexible
- Using imagination
- Working with people
- Helping others
- Writing

Skills:

- Creating approaches to problems
- Motivating others
- Analyzing needs
- Changing things to achieve goals
- Imagining how things should work
- Gathering and organizing information
- Talking to others effectively
- Being aware of others' reactions
- Evaluating ideas
- Writing
- Planning
- Managing time effectively
- Listening to others

Abilities:

- Coming up with unusual or clever ideas
- Speaking clearly
- Communicating written ideas clearly
- Communicating verbally in a clear manner
- Imagining how something will look after it is rearranged
- Reading and understanding written information
- Originating numerous ideas on a topic
- Recalling information
- Distinguishing differences between colors, shades, and brightness
- Coordinating body movements
- Reorganizing spatial relationships
- Seeing details of objects
- Arranging things or actions



Business, Management, Marketing & Technology

The Business, Management, Marketing & Technology pathways are programs of study related to the business environment. Statistics show that people who are successful in this pathway have many of the following interests, skills, and abilities.

Interests:

- Following procedures
- Working with people and data
- Following a set routine
- Being detail-oriented
- Starting up projects
- Persuading and leading others
- Taking risks, being visionary
- Searching for facts and figuring out problems
- Communicating with others
- Helping others
- Focusing on projects
- Making decisions

Skills:

- Using math to solve problems
- Gathering and organizing information
- Determining how changes affect outcomes in operation
- Identifying the nature of problems
- Understanding written sentences
- Weighting costs and benefits of actions
- Determining how money will be spent
- Accounting for expenditures
- Thinking critically
- Evaluating outcomes to redirect efforts
- Structuring and classifying information
- Managing time effectively

Abilities:

- Adding, subtracting, multiplying, and dividing quickly and correctly
- Reading and understanding information and presenting ideas
- Communicating information and ideas clearly
- Seeing details of objects at close range
- Organizing problems and selecting methods or formulas to solve them
- Applying general rules to specific problems to generate solutions
- Managing and leading co-workers
- Developing numerous ideas on topics
- Figuring out problems
- Listening to and understanding others
- Developing an image of how a system works under ideal conditions
- Originating unusual or clever ideas
- Speaking clearly in front of others

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Career Pathways



Engineering/ Manufacturing & Industrial Technology

The Engineering/Manufacturing & Industrial Technology pathways are programs of study related to technologies necessary to design, develop, install, or maintain physical systems. Statistics show that people who are successful in this pathway have many of the following interests, skills, and abilities.

Interests:

- Judging things by yourself
- Being self-expressive
- Working with data/details
- Following set procedures
- Working with hands and/or
- Tools and machines
- Working with forms, designs, and patterns
- Searching for facts
- Figuring out problems
- Starting up projects
- Persuading others
- Making decisions
- Taking risks
- Thinking things through

Skills:

- Using math to solve problems
- Writing
- Gathering and organizing information
- Using known methods to solve things
- Understanding written sentences
- Motivating, developing, and directing people
- Identifying the nature of problems
- Developing and implementing ideas
- Listening to others
- Talking to others effectively
- Thinking critically
- Installing equipment, machines, and wiring as needed

Abilities:

- Communicating ideas verbally
- Seeing details of objects
- Grasping or assembling objects
- Communicating written ideas clearly
- Adding, subtracting, multiplying, or dividing quickly and correctly
- Applying rules to problems to get solutions
- Speaking clearly
- Following given rules to arrange things
- Imagining how something will look after it is rearranged
- Creating unusual or clever ideas
- Originating numerous ideas
- Listening to and understanding others
- Combining information to form conclusions



Health Sciences

The Health Sciences pathways are programs of study related to the promotion of health as well as the treatment of injuries, conditions, and disease. Statistics show that people who are successful in this pathway have many of the following interests, skills, and abilities.

Interests:

- Working with others
- Communicating
- Giving advice
- Explaining things to others
- Working with hands and/or tools and machines
- Healing people, plants and/or animals
- Searching for facts
- Working with ideas
- Figuring out problems
- Paying attention to details
- Researching information

Skills:

- Talking to others clearly
- Looking for ways to help others
- Thinking critically
- Listening to others
- Managing time effectively
- Operating and monitoring equipment
- Determining tools to use in certain situation
- Organizing information
- Being aware of others' reactions
- Being coordinated
- Identifying the nature of problems
- Weighing costs and benefits of actions

Abilities:

- Exerting strength to lift, pull, push or carry
- Reading and understanding information
- Communicating clearly
- Listening to and understanding others
- Maintaining a positive attitude
- Having steady hands while making arm movements
- Grasping, manipulating or assembling objects
- Seeing details at close range
- Making sense of information
- Combining and organizing information
- Applying general rules to specific problems to generate solutions
- Making adjustments when controlling machines or tools

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Career Pathways



Human Services

The Human Services pathways are programs of study related to economic, political, and social systems. Statistics show that people who are successful in this pathway have many of the following interests, skills, and abilities.

Interests:

- Working with others
- Communicating
- Explaining how to do things
- Giving advice
- Helping others
- Working with hands and/or tools and machines
- Persuading others
- Leading others
- Working with ideas
- Taking risks
- Searching for facts and figuring out problems
- Starting up projects

Skills:

- Learning or teaching in various manners
- Teaching others
- Listening to others
- Weighting costs and benefits of actions
- Looking for ways to help people
- Writing
- Identifying the nature of problems
- Persuading others to take different approaches
- Talking to others effectively
- Understanding written sentences
- Thinking critically

Abilities:

- Conveying ideas verbally
- Responding quickly
- Communicating written ideas clearly
- Combining information to form conclusions
- Knowing when something is wrong or is likely to go wrong
- Speaking clearly
- Comprehending information
- Seeing details at a distance
- Imaging how something will look after it is rearranged
- Explaining why unrelated events occur together
- Recognizing problems
- Making decisions



Natural Resources & Agriscience

The Natural Resources & Agriscience pathways are programs of study related to the environment and natural resources. Statistics show that people who are successful in this pathway have many of the following interests, skills, and abilities.

Interests:

- Enjoying nature
- Searching for facts
- Figuring out problems
- Working with things/ objects
- Communicating with others
- Explaining things to others
- Working with hands and/ or tools and machines
- Helping others and the environment
- Giving advice
- Working with ideas
- Working outdoors

Skills:

- Using known methods to solve problems
- Understanding written sentences
- Gathering and organizing information
- Talking to others clearly
- Looking for ways to help others
- Identifying the nature of problems
- Determining equipment needed for a job
- Maintaining equipment as needed
- Identifying essential information
- Thinking critically
- Listening to others

Abilities:

- Listening and understanding information and ideas presented by others
- Speaking clearly
- Communicating ideas so others will understand
- Reading and understanding written information
- Communicating written ideas clearly
- Predicting when something is wrong or may go wrong
- Combining information to form conclusions
- Making sense of information
- Applying rules to specific problems to come up with solutions
- Following given rules to arrange things
- Seeing details of objects

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Business Education Department

Course Descriptions

INTRODUCTION TO BUSINESS* – Course #6035

.5 Credit, 1 semester, Grades 9-12



This course will introduce you to the world of business and serve as a background for other career courses such as Marketing and Accounting. Students will study advertising, selling, human resource management, as well as current technology in sales, market planning, and accounting. Project-based activities may involve Campus Corner, Warren Woods Tower's School Store. Additionally, Introduction to Business will assist you with consumer decision-making, personal finance, and making career plans for both high school and college course selections and prepare you for future employment.

ACCOUNTING Ia & Ib Hybrid- #+- Course #6921a/6922b (SMTEC: CLHS, LHS, WWT) – 1 credit, 1 Year, Grades 10-12 Meets VPAA One (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation Requirement



The Accounting I Hybrid course offers students a blended approach to learning. Students will meet once or twice a week, on required days, and complete required assignments online. During required Face Days, the content will be reviewed, and the tests will only be able to be taken during Face Days.

The accounting software requires internet access and students will need access to a laptop or desktop computer at home. Phones are not allowed as they will not support the accounting software used for this course.

This course helps the student develop a means of keeping and interpreting financial records of a business. Accounting is looked at as a career. The complete accounting cycle for a service and a merchandising business is taught including the preparation of payroll records. Each type of business is presented in a complete accounting cycle that covers analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries.

ACCOUNTING II/COMPUTERIZED-Hybrid- # + - Course #6923a/6924b (SMTEC: CLHS, LHS, WWT) – 1 credit, 1 Year, Grades 11, 12 Meets VPAA One (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation Requirement



The Accounting II Hybrid course offers students a blended approach to learning. Students will meet once or twice a week, on required days, and complete required assignments online. During required Face Days, the content will be able to be taken during Face Days. The accounting software requires internet access and students will need access to a laptop or desktop computer at home. Phones are not allowed as they will not support the accounting software used for this course.

Building on the knowledge of accounting systems gained through the completion of Accounting I, the student will explore accounting for property, inventory, accounts receivable, notes receivable and notes payable. Students will learn the differences in accounting for privately owned companies versus corporations. Completion of the second year prepares the student for an entry level accounting clerical position and/or entrance into a college business program. Students will gain experience in posting business transactions, payroll, accounting, adjustments, partnerships, corporation accounting and other procedures referring to financial accounting. Topics will include management accounting, cost accounting, not-for-profit accounting, and financial accounting.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
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Health Sciences
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Human Services



Natural Resources

Prerequisite: Accounting I

MARKETING I a & b #+ - Course #6939a/6940b
(SMTEC: CLHS, FHS, LHS, WWT) - 1 Credit, 1 Year, Grades 9-12
Meets VPAA One (1) Credit Graduation Requirement Or Meets
Math Related One (1) Credit Graduation Requirement



This course is the study and understanding of marketing and business management. It is a comprehensive course that studies selling, purchasing, displays, inventory control, promotion, distribution, and each of the other functions of marketing. Students will not only learn about the concepts of marketing, but will gain knowledge about the skills needed to secure and sustain employment. Students will also have the option to participate in the business organization DECA.

MARKETING IIa & IIb #+ - Course #6941a/6942b
(SMTEC: CLHS, LHS, WWT) - 1 Credit, 1 Year, Grades 10-12
Meets VPAA One (1) Credit Graduation Requirement Or
Meets Math Related One (1) Credit Graduation Requirement



Students who successfully complete Marketing I and are interested in a career in Marketing may elect Marketing II, which may also include Marketing Externship “on the job” program. Marketing II has an emphasis on the day to day operations of the Campus Corner, the student run school store at Warren Woods Tower. Students will help assist in ordering new inventory, maintaining daily sales, work on the stores marketing information management, product planning, and financial services. Students will also have the option to participate in the business organization DECA.

Prerequisite: Marketing I

STORE MANAGEMENT/OPERATIONS – Course# 6945/69
(SMTEC: CLHS, LHS, WWT)-1 Credit, 1 Year, Grades 11-12
Meets VPAA One-Half (1/2) Credit Graduation Requirement



Store management will provide a real-life situation for Marketing Education students in every aspect of merchandising Practices and procedures. The student will gain management experience as a leader in the school store. The student will gain leadership, planning, supervisory, budgeting, and decision-making skills. The school store will provide experience, pre-employment training, and the opportunity to learn management skills and decision-making.

Co-requisite: Teacher approval through application process**Prerequisite:** Marketing II

MARKETING EXTERNSHIP a & b - Course #6787a/6788b
(SMTEC: CLHS, LHS, WWT) - 1-2 Credits, 1-2 Semesters Grade 12



Students work part-time in a Marketing job and earn at least minimum wage and credit toward graduation. This course needs to be taken concurrently with Merchandising & Marketing II, or Store Management. An average of 10 work hours is needed each week.

Co-requisite: Students must be enrolled in the capstone class (i.e. Voc. II class) of their CTE program.
Prerequisite: Students must have completed 50% of a CIP program (i.e. Voc. I class) in their 11th grade year.
Minimum 2.0 GPA with teacher permission is required.

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Fulfills Math Related

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Human Services



Natural Resources

ENGLISH DEPARTMENT

9th Grade Requirements (pick one)

ENGLISH Ia & Ib - Course #4050a/60b - 1 Year, Grade 9



During a student's first year, his/her English education includes a study of grammar and usage, practice in writing and vocabulary development. In addition, the student is presented with a survey of several forms of literature including poetry, fiction, nonfiction, and drama. Emphasis is placed on the extension and the refinement of basic communicationskills, both written and verbal, and on the acquisition of efficient study habits.

-OR-

ADV ENGLISH Ia & Ib - Course #4070a/4070b - 1 Year, Grade 9



This class includes a study of grammar and usage, practice in writing and vocabulary development. In addition, the student is presented with a survey of several forms of literature including poetry, fiction, nonfiction, and drama. Emphasis is placed on analysis of the several types of literature. NO ADDS SECOND SEMESTER. Students must maintain an A or B each quarter.

Prerequisite: 8th grade NWEA minimum score 228 within student RIT scale on the Fall exam
+ Earned grade of 'A' or 'B' (80% minimum) 8th grade

10th Grade Requirements (pick one)

ENGLISH IIa & IIb – Course # 4131a/4141b - 1 Year, Required - Grade 10



Writing selections from American literature, chosen from 1750 to modern day, will be covered in thematic units. A wide variety of literary types will be studied including sermons, essays, speeches, plays, short stories and novels. Organization, coherence and clarity in writing in response to the literature readings will be stressed throughout the year.

-OR-

ADV ENGLISH IIa & IIb - Course #4151a/4161a - 1 Year, Grade 10



Writing selections from American literature, chosen from 1750 to modern day, will be covered in thematic units. A wide variety of literary types will be studied including sermons, essays, speeches, plays, short stories and novels. Organization, coherence and clarity in writing in response to the literature readings will be stressed throughout the year. **Summer work is required for this class** and failure to compete it will adversely affect your first marking period grade! Students must maintain an A or B each quarter. NO ADDS SECOND SEMESTER

Successful completion of ADV ENG I with A or B (80% minimum) both semesters PLUS teacher recommendation. Any student interested in joining the Advanced Track must meet the 80% minimum both semesters of ENG I PLUS teacher recommendation PLUS schedule and complete the NWEA test with a minimum RIT score of 232.

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Fulfills Math Related

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Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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11th Grade Requirements (pick one)

ENGLISH IIIa & IIIb - Course #4191a/4201b - 1 Year, Required - Grade 11

This class will focus on World Literature. Students will become acquainted with the works of the world's greatest authors focusing on classic and contemporary works. Students will explore drama, fiction, nonfiction, poetry, and novels. Writing assignments will focus on organization, coherence, unity, clarity, and word choice.

-OR-



ADV ENGLISH IIIa & IIIb - Course #4211a/21b - 1 Year, Grade 11

Writing selections from World Literature will be covered. A wide variety of literary types and styles will be studied. Organization, coherence, and clarity in writing in response to the literature will be stressed. **Summer work is required for this class** and failure to compete it will adversely affect your first marking period grade! **NO ADDS SECOND SEMESTER.** Students must maintain an A or B each quarter.

Prerequisite: Successful completion of ADV ENG II with A or B (80% MINIMUM) both semesters PLUS teacher recommendation

Any student interested in joining the Advanced Track must meet the 80% minimum both semesters of ENG II PLUS teacher recommendation PLUS schedule and complete the NWEA test with a minimum RIT score of 235.

-OR-



AP ENGLISH LANGUAGE & COMPOSITION – Course #4294a/4295b – 1 Year, Grade 11

This course cultivates the reading and writing skills that students need for college success and responsible civic engagement; the course guides students in becoming curious, critical and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. Students work their way through study of exigence, thesis development, line of reasoning and supporting evidence, synthesis of research and evidence, grammatical and sentence structure in relation to rhetoric, tone and other language devices, and transitions; students engage in a variety of short and long readings and develop their skills in the three core essays on the AP test (rhetorical analysis, synthesis, and argumentative). **NO ADDS SECOND SEMESTER.** Students must maintain an A or B each quarter.

Prerequisite: Successful completion of ADV ENG III with A or B (80% minimum) both semesters PLUS teacher recommendation.

Any student interested in joining the AP Track must meet the 80% minimum both semesters of ENG III PLUS teacher recommendation PLUS schedule and complete the NWEA test with a minimum RIT score of 235.

12TH Grade Requirements and English Electives

10-12 Grade Elective Classes (12th Grade students **MUST** pick either a full-year English class, or two one-semester classes to satisfy graduation requirements).

AP ENGLISH LITERATURE & COMPOSITION - Course #4292a/4292b - 1 Year, Grade 12 only



The purpose of this course is to assist the senior honor student in preparing to take the Advanced Placement English literature and Compositions' Examination and for college English classes. The student will be exposed to poetry, drama, novels and given extensive experience in critical, analytical and practical writing for the AP Exam. Samples of exams from previous years will be furnished for practice exercises. It is strongly recommended that the student will have taken Advanced English III or AP Language &

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Career Pathways

AP - Indicates Advanced Placement

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Composition prior to taking this class. **NO ADDS SECOND SEMESTER.** Students must maintain an A or B each quarter.
Prerequisite: Successful completion of ADV ENG teacher recommendation.
Any student interested in joining the AP Track must meet the 80% minimum both semesters of ENG III PLUS or AP Language and composition teacher recommendation PLUS schedule and complete the NWEA test with a minimum RIT score of 235.

ENGLISH IV*a Traditional (non-hybrid)- Course #4241a - 1 Semester, Grade 12 only



This interesting class is intended to prepare students for future success in many areas. It will focus on literary analysis of fiction written throughout history and across cultures. Students will use their knowledge of characterization, conflict and theme to analyze a variety of writing styles. In addition to literary analysis, development of grammatical and writing skills will be a central part of the class.

During 1st Semester, one of our main focuses will be on future readiness skills. This includes the college application process resume writing, This class incorporates a variety of types of literature, including classical, modern, mystery, nonfiction and more.

ENGLISH IV*b Traditional (non-hybrid)- Course #4251b - 1 Semester, Grade 12 only



This interesting class is intended to prepare students for future success in many areas. It will focus on literary analysis of fiction written throughout history and across cultures. Students will use their knowledge of characterization, conflict and theme to analyze a variety of writing styles. In addition to literary analysis, development of grammatical and writing skills will be a central part of the class.

During 2nd Semester, one of our main focuses will be working on the career research project which involves researching, job-shadowing, and reporting on a career you might pursue after high school/college. This class incorporates a variety of types of literature, including classical, modern, mystery, nonfiction

ENGLISH IVa HYBRID* – Course #4237a 1 Semester, Grade 12 only



English IV Hybrid offers a unique approach to preparing students for future success. This course blends in-class instruction and Schoology-based interaction. The goal of a blended approach to learning is to join the best aspects of both face-to-face and online instruction.

During 1st Semester, we will focus on the college application process, resume writing, literary analysis of fiction written throughout history and across cultures, grammar, vocabulary development and writing skills. This class incorporates a variety of genres of literature, including classical, modern, mystery, non-fiction and more. You will not only be challenged to grow your English skills but also to develop and demonstrate independence.

ENGLISH IVb HYBRID* – Course #4239b 1 Semester, Grade 12 only



English IV Hybrid offers a unique approach to preparing students for future success. This course blends in-class instruction and Schoology-based interaction. The goal of a blended approach to learning is to join the best aspects of both face-to-face and online instruction.

During 2nd Semester, we will focus on fine-tuning your English skills for your future path whether that be college, career or military service. We will write in response to current issues facing our state and country, create/polish your resume, write cover letters, and learn/practice interviewing skills. We will end the semester with a research project that will allow you to conduct, organize, format and present research focusing on a career of your choice! You will not only be challenged to grow your English skills during this semester but also to develop and demonstrate independence.



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Career Pathways


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CREATIVE WRITING * - Course #4320 - 1 Semester, Grades 11-12



Students will first begin the course by reading a wide variety of short stories, written in various genres and styles, in order to “wake up” their creative side and to help find their voice. Students will write and discuss their writing, along with the constructive critiquing of one another’s work. This course will have a strong emphasis on writing. Students will compile a large portfolio of work, including (but not limited to) short stories, poetry, drama, and creative nonfiction. This is not a grammar class, although attention to writing mechanics will be an essential part of our writing process.

JOURNALISM I * - Course #4210 - 1 Semester, Grades 10-12



Do you want to use your writing to reach a new and authentic audience? Journalism I is a course designed to teach the basics of journalistic writing, editing and interviewing. During this semester course you will learn how to shape your words, sentences, paragraphs and quotations into powerful stories designed for publication in newspapers and magazines. You will have a chance to draft stories focusing on news, features, editorials, sports, reviews, and entertainment. Your stories may also be submitted for inclusion on WWT’s website, TitanNation.net. Basics in specialized software such as Adobe InDesign (for layouts) and Adobe Photoshop (for pictures) will also be covered. Upon completion of this course, you will not only be a published journalist, you will also be eligible to continue earning elective credits by becoming a full-time staff member on the newspaper (Journalism II) or yearbook (Journalism III) staff. **Available to Sophomores (with a teacher signature).*

DYSTOPIAN FICTION * – Course #4499 - 1 Semester, Grades 10-12



Students will investigate dystopian themes in literature, exploring how authors from various cultures and time periods have attempted to answer the question: Could a utopian society ever exist, and why does such a search for the perfect world typically backfire? In reading a variety of dystopian novels and short stories, as well as in viewing some dystopian films, students will identify and analyze how dystopian authors turn an inquisitive eye on their own societies in answering this question. Critical and analytical discussions and writing will be required.

SHAKESPEARE * – Course #4425 - 1 Semester, Grades 11-12



Three hundred and eighty years after his death, William Shakespeare remains the central author of the English-speaking world; he is the most quoted poet and the most regularly produced playwright — and now among the most popular screenwriters as well. Why is that, and who “is” he? Why do so many people think his writing is so great? What meanings did his plays have in his own time, and how do we read, speak, or listen to his words now? What should we watch for when viewing his plays in performance? Whose plays are we watching, anyway? We’ll consider these questions as we carefully examine a sampling of Shakespeare’s plays from a variety of critical perspectives.

The Following Courses DO NOT fulfill English Graduation Requirements

JOURNALISM IIa & IIb (Newspaper) - Course #4330a/40b - 1 Year, Grades 11-12



The main task of the Journalism II class is to research, interview and write for the school website, **TitanNation.net** - Students are required to write stories, proofread, edit and obtain advertising. This class may be repeated.

Prerequisite: Journalism I

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JOURNALISM IIIa & IIIb (Yearbook) - Course #4350a/60b - 1 Year, Grades 11-12



The Journalism III class is designed to provide students with the opportunity to develop stories, research and conduct interviews for the school yearbook. General knowledge of photography, journalistic writing and grammar are necessary. The student will sell, design, and write advertising copy, organize, write, edit and publish the yearbook. This class may be repeated.

Prerequisite: Instructor permission required.

ACADEMIC SUCCESS * – Course #4195 - 1 Semester, Grades 11-12



Academic Success is designed to provide resources, tools, and skills for students to be successful in post-secondary education. Upon the successful completion of this course students will be able to know how to locate university policies and procedures regarding registration, advisement, and academic standing. Identify fields of study that are consistent with their interests, abilities, and life goals. Develop and implement a meaningful educational plan. Identify and utilize resources independently to evaluate their progress towards degree completion. Know where and how to access appropriate support services to accommodate their unique needs. Assess their own strengths and weaknesses as it relates to their academic abilities and success. Learn basic technology skills necessary to be successful (keyboarding, paper formatting, file management, etc.)

EXPLORATIONS IN READING – Course #4041/4042 - 1 semester (or full year) – Grades 9



Students are placed in this semester or year-long course based on their performance to provide additional support in the English Language Arts content area. **Students MAY NOT select this course as an elective course.** However, if it is determined that the student needs additional support, the student may be assigned to this course in lieu of an elective course. Students in this course must be co-seated in English I.

This class is a READING INTERVENTION course. All students in this class have been identified as at-risk/struggling readers using a variety of measures. The curriculum is based upon the Common Core Standards in English Language Arts. Specifically, students will focus on meeting the reading standards that are embedded in the English Language Arts standards as outlined by the Michigan Department of Education. Throughout the course, students will be expected to read widely and often, use critical thinking skills to analyze a variety of texts, and communicate through writing and discussion.

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Fine Arts Department

Course Descriptions

Art Classes



ART FOUNDATIONS *+ - Course #3009 - 1 Semester

This class a great place to start! It is the building block to art an excellent introductory course that is designed to give students a strong foundation on which to build skills. Students will learn about the elements of art and the principles of design as they work through the creative process. We will develop drawing skills and gain experience using various media which might include colored pencils, paint, oil pastels, chalk, pencil, and marker. Students will have the opportunity to learn new techniques while expressing themselves creatively.



ART II *+ - Course #3020 - 1 Semester

Art II is a great follow up to art foundations. This class will involve further exploration of the art process by including a more in-depth study of both two-dimensional and three-dimensional format. Students will have opportunities to make choices as they solve artistic problems and develop skills that will move them to the next level in art. A wide variety of artistic mediums and methods will be taught including further study of drawing, perspective, painting techniques, and sculpture. This class will give students a deeper understanding of the art process.

Prerequisite: Art Foundations



DRAWING and PAINTING I*+ - Course #3101 - 1 Semester

In this class students will learn to draw and paint by recording and interpreting the things around them. Students will start with the basics and build skills that will enable them to create works that are more involved. The focus is on learning about composition as well as drawing and painting techniques. We will build technical, compositional and expressive skills here. Work will include still life, landscape, figure drawing, abstract and realistic themes. Lots of cool media such as charcoal, pencil, pen and ink, pastels and tempera paint, acrylic paint, and watercolor. Students will be challenged to solve artistic problems creatively.

Prerequisite: Art Foundations

Levels increase with experience so if you have taken this class and wish to continue sign up for the next level

DRAWING and PAINTING – II*+ - Course #3102 - Must have taken Drawing I

ADV. DRAWING and PAINTING – III*+ - Course #3103 - Must have already taken Drawing I and II

DRAWING and PAINTING – IV*+ - Course #3104 - Must have already taken I, II, and III

3 – D DESIGN STUDIO I*+ - Course #3105 - 1 Semester



This class will give students many opportunities to solve creative problems by applying the elements of art and the principles of design to 3-dimensional work. We will manipulate many different types of materials and develop creative pieces from conception to finished product. Students will experiment with techniques, materials, and mixed media including paper, wire, wood, clay and other unconventional materials. If you like to build and sculpt in 3-D this is the class for you.

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Ideally, this class should be taken after Art II.

Prerequisite: Art Foundations

3-D DESIGN STUDIO – II*+ - Course #3106 - Must have already taken 3-D Design I

3-D ADV. DESIGN STUDIO – III*+ - Course #3107 - Must have already taken 3-D Design I and II

3-D ADV. DESIGN STUDIO – IV*+ - Course #3108 - Must have already taken 3-D Design I, II, and III



ADVANCED PORTFOLIO*+ - Course #3109 - 1 Semester

If you are hooked on art, this class is for you. It is for the upperclassman that is highly creative, enthusiastic, and self – motivated. Students will work with the instructor to customize a program in your area of interest. This class requires a commitment and offers an opportunity for the student artist to develop their personal style and vision. Students in this class will be expected to enter competitions and create work for local and statewide competitions while challenge themselves and building skill.

Advanced Portfolio II – Course #3110 taken after Portfolio I and with teacher approval and grade of B or better in previous Portfolio class. Advanced Portfolio III and Advanced Portfolio IV

Prerequisite: 2 years of art and teacher approval.

Music Classes

BAND a & b + - Symphony & Marching - Course #3580a/3590b - 1 Year, Grades 9-12



Band A/B (semester 1 and 2) includes both marching and concert season playing. During the Fall football season (including summer camp/rehearsals), the band performs as the marching band. The band performs at all home football games, attends marching festival competitions, and participates in parades when feasible.

After the Fall football season, the band returns to concert season. The concert bands have several performances during the year that include but are not limited to: a Holiday Concert, a Spring Concert, Cabaret, and MSBOA Band Festival. In addition, the bands are sometimes invited to perform at community functions and exchange concerts. Members should have a middle school background on their instrument to develop embouchure, tone, breath support, rhythm, style, intonation and technic.

Musical development is challenging and entails concentration and practice outside of class. The students develop an awareness of the opportunities available to use music as a creative outlet and avocation or a career if interested. Each student will explore his/her interests and talents and develop to the highest level of musicianship possible.

Educational travel has become a part of the high school program, and the band has performed at festivals in Toronto, Washington, D.C., Disney World, Virginia, New York, and Georgia. Students also have opportunities to participate in clinics and honors groups at area colleges as well as the opportunity to attend professional musical organization concerts in the area.

There are multiple ability-based concert bands. Auditions for these bands occur during the Winter/Spring of the previous year for students grades 8-11 that are enrolled in band.

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Career Pathways

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JAZZ BAND *+ - Course #3583a/3583b-Grades 9-12



This ensemble is designed to develop the student's knowledge, ability, and appreciation for Jazz band performance. Students will learn the art of improvisation and how to incorporate that into ensemble performance. The Jazz Band will have several performance opportunities throughout the year that may include, but are not limited to: The Fall Concert, Holiday concert, Spring Concert, Cabaret, and MSBOA Jazz festival. Musical styles that will may be covered include blues, swing, bebop, rock, Latin, and contemporary. All standard band instruments are welcomed, as well as piano, drum set, guitar, and bass. Students interested in playing a wind instrument should have a middle school background on their instrument to develop embouchure, tone, breath support, rhythm, style, intonation, and technic. Students interested in playing piano, drum set, guitar, or bass are required to have a recommendation from the instructor

Prerequisite: Teacher's permission based on instrument

CHOIR Ia & Ib + - Concert Choir - Course #3510a/20b - 1 Year, Grades 9-12



This ensemble is open to any students wishing to learn more about the art of singing. Students will not only gain an appreciation for choral singing, but will also learn the fundamentals of music theory. Prior experience is not required.

Activities of this choir include, but are not limited to, participation in the Homecoming game, the Fall Revue Concert, the Holiday Celebration, the Spring Concert, and the MSVMA Choral Festival. Participation in Solo and Ensemble Festival is also an option for concert choir students. Educational travel has become part of the high school program. The choir has performed in Boston, Chicago, New York, and in Florida at Walt Disney World.

GUITAR I *+ - Course #3595 - 1 Semester, Grades 9-12



Students at all ability levels will learn how to read common music notation in order to perform in a flexible ensemble environment. Students will also experiment with basic music composition. Previous experience on an instrument is not required. Students will perform for each other in class and learn to evaluate others' performances. There may also be an opportunity to perform as an ensemble outside of class.

GUITAR II *+ - Course #3596 - 1 Semester, Grades 9-12



Guitar II is designed for students who have successfully completed Guitar I and would like to further their knowledge and performance skills. Advanced techniques to be covered in class include more complex rhythms, 2nd position, power chords, tablature, finger picking and improvising. There may also be an opportunity to perform as an ensemble outside of class.

Prerequisite: Guitar I or teacher's permission

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Musical Theatre Classes

MUSICAL THEATRE*+ - Course #4228 - 1 Semester, Grades 9-12



This class is designed to increase the student's knowledge and appreciation of theatre arts through hands-on introduction to basic acting skills and techniques, an exploration into the structure of a play, theatre history, and play production, thus enhancing the student's ability to communicate effectively, and increasing self-esteem and confidence. Exploration into the musical aspects of theatre may include listening, evaluating, and participating in vocal singing. Performance goals and theatre language are learned by engaging in group collaboration, individual assignments, and class participation. This course requires a large amount of class presentations, both with a group and individual.

ADVANCED MUSICAL THEATRE *+ - Course #4229 - 1 Semester, Grades 9-12



This class is designed for the serious theatre student. Skills already learned will be perfected such as pantomime and improvisation. More in-depth techniques, skills, and theatrical knowledge will be explored and experienced. Physical acting, vocal acting, advanced acting techniques, auditioning, playwriting and production, theatre roles and careers, theatre appreciation and evaluation, theatre history, directing, production, technical aspects of theatre, and study of classical plays and playwrights will be explored. Successful completion of Musical Theatre or recommendation of the instructor is required.

DIGITAL MEDIA PRODUCTION CLASSES

DIGITAL MEDIA PRODUCTION Ia & Ib + – Course #1011a/1012b -, Grades 9-12



This full-year one-credit course is the first in a pathway that prepares the student for employment or entry into a postsecondary education program in the Digital Media Production career field. Topics covered may include but are not limited to: history of mass media, terminology, safety, basic equipment, script writing, production teams, production and programming, set production, lighting, recording and editing, studio production, and professional ethics. All subject matter shall be taught as per specifications of the Michigan CTE Performance Standards. This course deals with the language and concepts of Digital Media Production. All students will have the opportunity to become certified as an Adobe Certified Professional in Digital Video using Adobe Premiere Pro. **Outstanding attendance and ability to work cooperatively and Outstanding attendance and ability to work cooperatively and productively are major requirements for this course.** All material covered in Digital Media Production will be utilized in subsequent courses. **No ADDS SECOND SEMESTER**

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources



DIGITAL MEDIA PRODUCTION IIa & IIb + - Course #1015a/1016b - Grades 10-12

Digital Media Production II is an advanced course building upon the foundation laid in Digital Media Production I. This full-year, one-credit course prepares students for advanced employment opportunities or further postsecondary education in the Broadcast/Video Production field. Students will deepen their knowledge of media production, gain leadership skills, and assist first-year students in their learning journey. Topics covered include advanced equipment operation, project management, advanced editing techniques, client interactions, and mentoring. **NO ADDS SECOND SEMESTER**

Prerequisite: Must pass both semesters of Digital Media Production I with at least a “C”; must be proficient in the studio; must have a full understanding of the pre-production process, production process, post-production; and have a depth of knowledge about the following aspects of Digital Media Production I: filming and the use of a camera, digital editing, audio mixing and recording, and lighting in studio and on location. Students may be asked to film events after school hours.



Digital Media Production IIIa & IIIb – Course #6878a/6879b – Grades 11-12

Digital Media Production III is an advanced course that builds upon the knowledge and skills acquired in Digital Media Production II. This full-year, one-credit course prepares students for professional careers or further postsecondary education in the Broadcast/Video Production field, with a specific focus on motion graphics using Adobe After Effects. All students will have the opportunity to become certified as an Adobe Certified Professional in Visual Effects and Motion Graphics using Adobe After Effects. Students will explore advanced production techniques, including motion graphics design, advanced video editing, and client interactions.

NO ADDS SECOND SEMESTER



Digital Media Production IVa & IVb – Course # 6881a/6879b- Grades 12

Digital Media Production IV is an advanced course designed for senior students who have successfully completed all previous digital media courses. This full-year, one-credit course prepares students for professional careers or further postsecondary education in the Broadcast/Video Production field, with an emphasis on leadership, advanced techniques, and media management. Students will oversee and produce a live-streaming student news program, manage social media outlets, control the district cable station, and manage school-wide digital displays. **NO ADDS SECOND SEMESTER**

Prerequisite: Must pass both semesters of Digital Media Production III with at least a “B”; must be proficient in the studio; must have an advanced understanding of the pre-production process, production process, and post-production process; and have a depth of knowledge about the following aspects of Digital Media Production III: filming and the use of a camera, digital editing, audio mixing and recording, and lighting in studio and on location, as well as motion graphics, live production experience, and advanced editing techniques. Students may be asked to film events after school hours. TEACHER RECOMMENDATION REQUIRED.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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CTE Health Sciences

All of the Health Science classes (Med Term, A&P, MA, PCT) Students will be offered certification in First Aid/CPR/AED and it is highly recommended that students take anatomy & Physiology and or medical terminology prior to medical assisting or nursing assisting.

MEDICAL CAREER & SYSTEMS MEDICAL TERMINOLOGY + - Course #6733a/6734b

1 credit, 2 semesters, Grades 10-12

Meets VPAA One (1) Credit Graduation Requirement



Medical terminology is the study of the principles of medical word building to help the student develop the extensive medical vocabulary used in health care occupations. The study of medical terminology introduces students to the language of medicine. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. If you're interested in pursuing a health and science career requiring the ability to communicate with physicians, nurses, dentists, or other medical professionals, this class will meet all your needs.

CPR/First Aid, and the Health Science Core standards are taught. The course will also include a community health component in addition to traditional curriculum in Anatomy, Pathophysiology, and Medical Terminology. Students may be eligible to pass out of Medical Terminology at Macomb Community College upon passing the Macomb Community College Medical Terminology exam.

Healthcare employability skills are also promoted. Students will have the opportunity to participate in health career job shadowing. Upon successful completion of this course the student may be eligible for externship in their senior year in various health care facilities. Students will be able to participate and join in the professional student organization HOSA Future Health Professionals.

General Qualifications:

Students must have good communication skills, be adaptable to change, and be able to apply problem-solving techniques. A good attendance record with responsible and mature conduct is required. The student must like working with people.



MEDICAL CAREERS & SYSTEMS- MEDICAL TERMINOLOGY HYBRID (SMTEC: WWTHS)-Course #6735a/6735b

Meets VPAA One (1) Credit Graduation Requirement 1 credit, 2 semesters, Grades 10-12

The Medical Terminology hybrid course offers students a blended approach to learning. Students will meet 2-3 times a week in person and complete required assignments online. Medical Terminology is a yearlong course that provides students with the opportunity to explore a career in healthcare. Students will gain knowledge and skills in law and ethics, anatomy and physiology, medical terminology, safety, infection control, and employability. CPR certification is available.

Unique to this course is the extensive study of Medical Terminology.

Medical terminology is the study of the principles of medical word building to help the student develop the extensive medical vocabulary used in health care occupations. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. If you're interested in pursuing a health and science career requiring the ability to communicate with physicians, nurses, dentists, or other medical professionals, this class will meet all your needs. This course is recommended for students interested in taking a future health science certification course.

Completion of this course is recommended prior to taking any CTE certifying health science course.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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Health Sciences
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Human Services



Natural Resources

MEDICAL ASSISTANT #+ - Course #6772a/6772b

(SMTEC: WWTHS) – 1 credit, 2 semesters, Grades 10- 12 Meets VPAA One (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation Requirement

The Health Science Medical Assistant course prepares the student to support physicians with patient assessment and treatment, in an office or other clinical setting. Clinical and administrative office procedures are taught, along with human anatomy and physiology, medical terminology and the National Health Science Curriculum. CPR/First Aid certification is offered.

Employability skills are promoted to prepare students for job shadowing and externship opportunities. Students will be able to join and participate in HOSA - Future Health Professionals. A professional student organization.



MEDICAL ASSISTANT HYBRID#+ - Course #6700a/6701b

(SMTEC: WWTHS) – 1 credit, 2 semesters, Grades 10-12 Meets VPAA One (1) Credit Graduation Requirement or Meets Math Elective One (1) Credit Graduation Requirement

Clinical and administrative office procedures are taught, along with human anatomy and physiology, and medical terminology, the National Health Science Curriculum. CPR/First Aid certification is offered.

Employability skills are promoted to prepare students for job shadowing and externship opportunities. Students will be able to join and participate in HOSA - Future Health Professionals. A professional student organization.

Students will be eligible (upon meeting requirements) to take the National Health Career Association certification (NHA) examination, which if passed will allow students to be certified as a Medical Assistant.

General Qualifications:

Students must have good communication skills, be adaptable to change, and be able to apply problem-solving techniques. A good attendance record with responsible and mature conduct is required. The student must like working with people.

NURSING ASSISTANT #+ - Course #6770a/6770b Patient Care Technician Certification

(SMTEC: WWTHS)- 1 Credit, 2 Semesters, Grades 10-12 Meets VPAA ONE (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation requirement Or Meets Science Elective One (1) Credit Graduation Requirement



Health Science Patient Care Technician / Nursing Assistant is a comprehensive study of the health care delivery system. The program includes all aspects of patient care at various stages of life. Medical terminology is introduced. CPR/First Aid certifications offered, and the Health Science Core curriculum are taught.

Employability skills are promoted to prepare students for job shadowing and externships opportunities. Students will be able to join and participate in HOSA (future Health Professionals) a professional student organization.

Students will be eligible upon passing course) to take the National Health career Association certification (NHA) examination, which if passed will allow students to be certified as a Patient Care Technician.

General Qualifications:

Students must have good communications skills, be adaptable to change, and be able to apply problem-solving techniques. A good attendance record with responsible and mature conduct is required.

The student must like working with people.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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Human Services



Natural Resources

Healthcare Systems, Legal/Ethics, Growth and Development, Basic Skills, and Medical Terminology. Students that are interested in pursuing a health career would greatly benefit by completing this course. Students will be able to participate in the professional student organization HOSA - Future Health Professionals.

MEDICAL CAREER & SYSTEMS ANATOMY & PHYSIOLOGY+ – Course #6739a/40b - HYBRID (SMTEC: WWTHS) – 1 credit, 2 semesters, Grades 10-12

Meets VPAA One (1) Credit Graduation Requirement
Meets Science Elective One (1) Credit Graduation Requirement



The Anatomy & Hybrid course offers students a blended approach to learning. Students will meet two or three times a week, on required days, and complete required assignments on-line. During required Face Days, content will be reviewed, and laboratory exercises will be completed.

This two-semester course is designed to prepare students in making a successful transition to a post-secondary health science curriculum. The focus of this course is on human Anatomy and Physiology, with an emphasis in health career applications. In addition to the science academic foundations, the National Health Science segments include Communications, Healthcare System, Legal/Ethics, Growth and Development, Basic Skills, and Medical Terminology. Students that are interested in pursuing a health career would greatly benefit by completing this course. Students will be able to participate in the professional student organization HOSA - Future Health Professionals.

**MEDICAL CAREERS & SYSTEMS- MEDICAL TERMINOLOGY HYBRID (SMTEC: WWTHS)
Meets VPAA One (1) Credit Graduation Requirement 1 credit, 2 semesters, Grades 10-12**

The Medical Terminology hybrid course offers students a blended approach to learning. Students will meet 2-3 times a week in person and complete required assignments online. Medical Terminology is a yearlong course that provides students with the opportunity to explore a career in healthcare. Students will gain knowledge and skills in law and ethics, anatomy and physiology, medical terminology, safety, infection control, and employability. CPR certification is available. Unique to this course is the extensive study of Medical Terminology. Medical terminology is the study of the principles of medical word building to help the student develop the extensive medical vocabulary used in health care occupations. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. If you're interested in pursuing a health and science career requiring the ability to communicate with physicians, nurses, dentists, or other medical professionals, this class will meet all your needs. This course is recommended for students interested in taking a future health science certification course.

Completion of this course is recommended prior to taking any CTE certifying health science course.



HEALTH SCIENCE EXTERNSHIP (CO-OP) - Course #6789a/6(SMTEC: WWT) 10– 12 semesters, Grades 12

Students that are in affiliated Health Science classes may elect to interview for an externship placement during their senior year. Clinical settings vary from veterinary hospitals, dental offices, St. John Macomb Hospital, St. John Oakland Hospital and medical/doctor's offices. An average of 10 work hours is needed each week.

Co-requisite Students **must be enrolled in the capstone class** (i.e. Voc. II class) . Must be enrolled in Health Science course to participate and must have enough credits to graduate.

Prerequisite: The student must have completed 50% of a CIP program (i.e. Voc. I class) in their 11th grade year. Minimum 2.0 GPA with instructor recommendation and a successful interview is require

* Indicates One Semester Class
Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)
Career Pathways

AP - Indicates Advanced Placement
^ Prerequisite required, check course description



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Health Sciences
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Human Services



Natural Resources

CTE Human Services Department

Course Descriptions

Cosmetology

**COSMETOLOGY Ia & Ib + - Course #6857a/58b (SMTEC: WWT) 3 - 4 Credits, 2 Semesters, Grades 11
Meets VPAA One (1) Credit Graduation Requirement**



Cosmetology is a State certified program that covers 2 years of comprehensive and involved instruction. The curriculum is setup by the Michigan State Licensing Board of Cosmetology and covers all areas of cosmetology, theory, and skill training. Upon completion of this course of instruction, the student is eligible to take the State Board Cosmetology examination for licensing (must be 17 years old and possess the equivalent of a 9th grade education). Once the student is licensed, they will be able to work in a licensed salon establishment in the State of Michigan.

The Cosmetology program covers a two-year period and requires the completion of 1500 clock hours of training. During the regular school year, students will attend 4 hours per day, Monday through Friday in the afternoon from 1:35 to 5:38p.m.

Students will be required to spend additional days beyond the regular school year which includes 10 7-hour days after the school year ends. This is required in the junior and senior year to complete the required 1500 clockhours of training in the two-year program. Specific days are subject to change due to district calendar issues and will be determined on a year-to-year basis by the end of the current school year.

**COSMETOLOGY IIa & IIb + - Course #6859a/60b
(SMTC: WWT) - 3-4 Credits, 2 Semesters, Grade 12
Meets VPAA One (1) Credit Graduation Requirement**



Cosmetology II is the second year of the two-year Cosmetology program.

Prerequisite: Successful completion of Cosmetology I.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
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Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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Human Services



Natural Resources

Hospitality Personal & Culinary Services

FOOD/HOSPITALITY (Personal & Culinary) SERVICE Ia & Ib #- Course #1316(SMTEC: LHS, WWT) – 1 credit, 2 semesters, Grades 9-12

Meets VPAA One (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation Requirement



The first year Food/Hospitality (Personal & Culinary) Service program is designed to teach high school students the management/culinary skills needed for a career in the restaurant and food service industry. Year One of our ProStart curriculum allows students to meet the National Restaurant Association academic standards, complete a checklist of competencies, and participate in at least four hours of practicum service to ensure all students are well qualified to enter the industry workforce.

Employability skills are examined and enhanced when using what they study in the classroom and apply it to practical experiences and real-life application in the commercial kitchen and restaurant.

A student successfully completing this class will be ready to go on to the Hospitality/Food (Personal & Culinary) Services II course and an externship job placement in their senior year.



FOOD/HOSPITALITY (Personal & Culinary) SERVICE IIa & IIb #- Course #6829a/30b(SMTEC: LHS, WWT) – 1 credit, 2 semesters, Grades 10-12

Meets VPAA One (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation Requirement

Year Two of the Food/Hospitality (Personal & Culinary) Service program is an advanced culinary course designed to further teach high school students the management/culinary skills needed for a career in the restaurant and food service industry. Year Two of our ProStart curriculum allows students to meet the National Restaurant Association academic standards, complete a checklist of competencies, and participate in at least four hours of practicum service to ensure all students are well qualified to enter the industry workforce.

Students will run a fully functional Macomb County Restaurant for lunch (WWT) The Titan Terrace. Employability skills are examined and enhanced when using what they study in the classroom and apply it to practical experiences and real life application in the commercial kitchen and restaurant.

A student successfully completing this class will be ready to go on to the advanced Hospitality/Food (Personal & Culinary) Services III course and an externship job placement in their senior year.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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Human Services



Natural Resources

FOOD SERVICE MANAGEMENT (Foods/ Hospitality) IIIa & IIIb #+ - Course #6831a/32b(SMTEC: WWT)



1 credit, 2 semesters, Grades 11-12

Meets VPAA One (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation Requirement

Foodservice Management is an advanced culinary course designed to further teach high school students the management/culinary skills needed for a career in the restaurant and food service industry. A continuation of our Year Two of our ProStart curriculum allows students to meet the National Restaurant Association academic standards, complete a checklist of competencies, and participate in at least four hours of practicum service to ensure all students are well qualified to enter the industry workforce.

As a prerequisite for this class, students must complete Foods/Hospitality I and Foods/Hospitality II with an 75% or higher and required teacher recommendation initial on Student Scheduling Form. Students will run a fully functional Macomb County Restaurant for lunch, (WWT) The Titan Terrace. Employability skills are examined and enhanced when using what they study in the classroom and apply it to practical experiences and real-life application in the commercial kitchen and restaurant.

BAKING & PASTRY (Foods/Hospitality) IVa & IV b #+ - Course # 6841a/6842b(SMTEC: WWT) – 1 credit, 2 Semesters, Grades 11-12



Meets VPAA One (1) Credit Graduation Requirement Or Meets Math Related One (1) Credit Graduation Requirement

Warren Woods Tower's Baking and Pastry course offers a detailed curriculum that aligns with the industry's demands for a baking and pastry chef. This career training course will help students learn how to utilize their craft and fine-tune their attention-to-detail as they develop their art of baking and pastry. Our focus will be on current trends in the baking and pastry industry that can lead to career success.

As a prerequisite for this class, students must complete Foods/Hospitality I and Foods/Hospitality II with an 75% or higher and required teacher recommendation initial on Student Scheduling Form.

FOOD/HOSPITALITY SERVICE EXTERNSHIP a & b - Course #6779a/80b (SMTEC: LHS, WWT) - 1- Credits, 1-2 Semesters, Grade 12



Students with the desire to continue in any area of the Hospitality/Food Service industry after graduation may apply for the externship program. Personnel and management techniques are studied while the student works out in the field at a job placement. An average of 10 work hours is needed each week.

Co-requisite Students must be enrolled in the capstone class (i.e. Voc. II Class) of their CTE Program

Prerequisite: The student must have completed 50% of a CIP program (i.e. Voc. I class) in their 11th grade year.

Minimum 2.0 GPA with teacher permission is required.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

AP - Indicates Advanced Placement

^ Prerequisite required, check course description

Career Pathways



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Natural Resources

Mathematics Department

Course Descriptions

The Mathematics Department offers two different sequences for students to take in order to fulfill the four (4) credit mathematics graduation requirement. The sequence that a student chooses depends on his/her math ability and career technical goals. The regular sequence is for the student of average ability who may or may not plan on entering college. This program will give him/her a good balanced background in math to prepare for the college level and/or technical training.

The honors sequence is designed for students with above average ability in math.

Regular Sequence

Algebra I
Geometry
Algebra II
Extended Algebra II (1st Year)
Extended Algebra II (2nd Year)
Precalculus

Honors Sequence

ADV Geometry
ADV Algebra II
AP Precalculus
Math Elective or AP Calculus or AP Statistics

Electives

Probability and Statistics I*
Probability and Statistics II
Computer Programming a
Computer Programming b
AP Computer Science Principles
Math Literacy
Consumers Mathematics

Electives

*The following classes **DO NOT** fulfill mathematics graduation requirement*

Web Design I
Web Design II
AP Cybersecurity
Algebra Support
Geometry Support

* Indicates One Semester Class

Fulfills Math Related

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+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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ALGEBRA Ia & Ib - Course #7170a/7180b - 1 Year

Algebra I builds a bridge from basic arithmetic to abstract reasoning by introducing the language of variables, equations, and functions. Students will master linear, quadratic, and exponential relationships through algebraic manipulation and graphical analysis. This essential course equips learners with the critical problem-solving tools required for success in all future mathematics classes.



GEOMETRY a & b - Course #7190a/7200b – 1 Year

Explores the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Students develop logical reasoning and spatial visualization skills through the study of transformations, congruence, similarity, and the properties of triangles and quadrilaterals. The course emphasizes the use of deductive logic and formal proofs to solve complex problems and verify geometric theorems.



ALGEBRA IIa & IIb - Course #7210a/7220b - 1 Year

Expands on foundational algebraic concepts to explore higher-order functions, including polynomial, rational, radical, exponential, logarithmic relationships, trigonometry and probability. Students master the use of complex numbers and advanced systems to solve intricate equations and model real-world data. This course emphasizes the connection between algebraic manipulation and graphical analysis.



EXTENDED ALGEBRA IIa & IIb (1st Year) - Course #7221a/7222b - 1 Year

This course is an extension of Algebra I which incorporates the first semester curriculum of Algebra 2 extended over one year. Students focus on the mastery of linear, quadratic, and polynomial functions. Students also explore the concepts of radicals, exponential relationships, inequalities, and matrices.

Prerequisite: Teacher Approval



EXTENDED ALGEBRA IIa & IIb (2nd Year) - Course #7223a/7224b - 1 Year

The second year of the sequence covers radical, rational, exponential, and logarithmic functions. Students conclude the curriculum by applying their skills to complex numbers and trigonometry, as well as probability and statistics, ensuring full preparation for college-level math through increased practice and data analysis.

Prerequisite: Teacher Approval



PRECALCULUS a & b - Course #7240a/34b - 1 Year

This course focuses on advanced algebra and trigonometry. Students investigate polynomial, rational, exponential, and logarithmic relationships while exploring the unit circle. Other topics include sequence and series, binomial theorem, and matrices.

Prerequisite: Algebra I, Algebra II, and Geometry



ADV GEOMETRY a & b - Course #7290a/7300b - 1 Year

Advanced Geometry explores the properties and relationships of points, lines, planes, and solids with a focus on rigorous logical reasoning and formal proof. Students master coordinate geometry, trigonometry, and transformations while investigating complex theorems involving congruence, similarity, and circle geometry.

Prerequisite: Teacher Approval, Algebra I

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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ADV ALGEBRA IIa & IIb - Course #7270a/80b - 1 Year



Advanced Algebra II deepens the study of complex functions, including polynomial, rational, radical, and logarithmic relationships. Students integrate algebraic manipulation with graphical analysis to model intricate real-world phenomena and solve higher-order equations. This rigorous course builds analytical precision and abstract reasoning essential for success in Precalculus and beyond.

Prerequisite: Teacher Approval, Geometry

AP PRE-CALCULUS a & b - Course #7235a/36b - 1 Year



Previously called Advanced Pre-Calculus.

This course centers on the study of functions and their real-world applications to prepare students for college-level mathematics. By investigating polynomial, exponential, logarithmic, and trigonometric functions, students learn to model dynamic phenomena and analyze complex data sets. The course emphasizes multiple representations and functions-based reasoning to build the foundational fluency required for success in Calculus. Previously called Advanced Pre-Calculus.

Prerequisite: Teacher Approval

AP CALCULUS AB a & b - Course #7321a/21b - 1 Year



AP Calculus AB focuses on the theoretical foundations and practical applications of differential and integral calculus. Students explore the concepts of limits, derivatives, and integrals to model dynamic systems and calculate the behavior of changing quantities. The curriculum requires students to represent mathematical situations graphically, numerically, analytically, and verbally.

Prerequisite: Teacher Approval, Pre-Calculus

AP STATISTICS a & b - Course #7821a/7825b - 1 year, Grades 11-12



In this course, students will collect, analyze, and draw formal conclusions from data through the lens of four major themes: exploring data, sampling, probability, and statistical inference. Students move beyond simple calculations to develop a deep understanding of experimental design and the logic behind hypothesis testing. This college-level course emphasizes the use of technology and precise communication to interpret real-world variability and uncertainty.

Prerequisite: Algebra II, and must have a C or better in previous English Course

PROBABILITY AND STATISTICS Ia & IIb - Course #7323a/ #7326b - 1 Semester, Grades 11-12



This course explores the methods used to collect, analyze, and interpret data. Students will master probability rules and statistical models to identify patterns and draw meaningful conclusions from complex information. By learning to evaluate evidence and predict outcomes, students develop the essential skills to make informed, data-driven decisions.

Prerequisite: Algebra II

COMPUTER PROGRAMMING a & b - Course #7353a / #7354b - Hybrid Class



In this course, you will learn the fundamentals of computer science while creating your own animations, graphics, and games for the web. Perfect for beginners learning at school or at home. This course uses JavaScript as its primary programming language. As the

year progresses, students will learn about other programming languages, learn about basic 3-D design, and other applications of programming including Arduino. This class is project-based with many hands-on activities

Prerequisite: Algebra I

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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AP COMPUTER SCIENCE PRINCIPLES – Course #7329a/#7330b Year



This is a rigorous course built around the fundamentals of computing including problem solving, working with data, understanding the Internet, Cybersecurity, and programming. Students will complete two performance tasks to demonstrate the skills they have developed. Along with the performance tasks, students can take an AP exam in the spring to earn college credit.

Prerequisite: Teacher Approval, Computer Programming (recommended but not required), and Algebra I

CONSUMER MATHEMATICS * - Course #7050- - 1 Semester – 12th grade



Consumer Math provides students with the practical mathematical skills necessary to manage personal finances and make informed economic decisions. The curriculum focuses on real-world applications, including budgeting, interest rates, credit management, taxes, and insurance. Students develop the financial literacy required for independent adult living.

MATH LITERACY: - Course #7725a/7727b - 1 Year Grades 11-12



This course reinforces essential Algebra and Geometry skills by applying them to complex, integrated problem-solving scenarios. Students will refine their ability to manipulate algebraic expressions and solve equations while deepening their understanding of geometric properties, proofs, and spatial reasoning.

The Following Classes DO NOT Fulfill Mathematics Graduation Requirement:

WEB DESIGN Ia & Ib - Course #7355a / 7356b - 1 Semester *Hybrid Class



This course is an introduction to the fundamentals of web design. Students will learn how to “hand-code” valid HTML and CSS pages without advanced tools. Should students go on to attain advanced knowledge and skills in the web design field, we know that this foundational understanding of basic coding will serve them well. This class is project-based with many hands-on activities.

Prerequisite: Algebra I

Hybrid Class – Students that maintain an A/B average may elect to work at home up to 3 days a week. Parent permission required. Must have appropriate computer software at home. (Most of the software used is available for free on line.)

AP CYBERSECURITY Ia & Ib- Course #7990a / 7990b 10th, 11th, 12th



This is a rigorous course built around the fundamentals of cybersecurity. Students will learn about relevant concepts such as cryptography, steganography, networking, system administration, data security, IT concepts, and IT infrastructure. Students can take an AP exam in the spring to earn college credit.

Prerequisite: Teacher Approval

ALGEBRA SUPPORT – Course #7181a/7182b - 1 Year



A class designed to help struggling students with algebra concepts. Students will receive additional instruction in the classroom and computer lab that coincides with their Algebra I class. Students will be chosen by staff according to testing results and performance.



GEOMETRY SUPPORT - Course #7201a/7202b – 1 Year

A class designed to help struggling students with algebra concepts. Students will receive additional instruction in the classroom and computer lab that coincides with their Geometry class. Students will be chosen by staff according to testing results and performance.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services

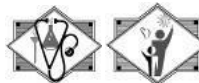


Natural Resources

Physical Education

Students are required to earn .5 credit (1 Semester) in Physical Education Fundamentals and .5 credit (1 semester) in one Physical Education elective course.

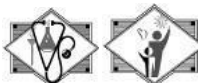
PHYSICAL EDUCATION FUNDAMENTALS * - Course #8035 - 1 Semester



Physical Education Fundamentals is a required course. This course is a composite of physical education, health and swimclasses taught within a one semester period.

Physical Education Electives

ADVANCED SPORT TECHNIQUE * - Course #8010a/8010b - 1 Semester



This class is designed for students with the desire to improve themselves both in the weight room and on the athletic field. The class will involve weight training, speed, and agility training, and plyometrics. The class is designed to improve oneself in sports that require strength and quickness.

Students participating in fall sports are recommended to take this class second semester. Students participating in winter and/or spring sports are recommended to take this class first semester.

Prerequisite: Students must be competing at the varsity level during the current semester or will be competing at the varsity level the following semester. Written consent from a Varsity coach may be required for entry into class.

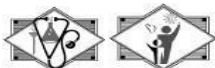
It is preferred that a student completes Physical Education Fundamentals prior.

LEISURE TIME SPORTS * - Course #8100 - 1 Semester



This course focuses predominantly on individual sports that students can carry into the future. These activities include Tennis, Golf, Badminton, Bowling, and Personal Fitness.

PERSONAL FITNESS * - Course #8131 - 1 Semester



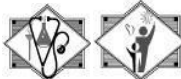
This class will offer a variety of activities associated with general aerobics and overall fitness. Those activities include step aerobics, aerobic dance, Tai-Bo (a combination of Tai-Chi Martial Art and Boxing). Students will also demonstrate the ability to lead an aerobic routine. In addition, students will be involved in weight training and running as part of their personal conditioning.

PHYSICAL EDUCATION * - Course #8030 - 1 Semester



This is a co-ed class to be taken to meet the basic requirement for physical education. The co-ed activities may include tennis, basketball, badminton, golf, square dancing, softball, volleyball, and other physical fitness activities.

TEAM SPORTS * - Course #8071 - 1 Semester



This is a high intensity course which may include units in sports including touch football, floor hockey, team handball, soccer, basketball, volleyball, softball, ultimate frisbee.

WEIGHT TRAINING * - Course #8120 - 1 Semester



This course includes work with the Universal Weight machine, barbells, a good running program and physical fitness activities. Student will be periodically tested on their progress at the various weight stations, running abilities, and improvements in aerobics.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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Human Services



Natural Resources

Science Department

Course Descriptions

In order to graduate from Warren Woods Tower High School, a student must have successfully completed a minimum of three years of science.

Although there is only a three-year science requirement, the science department **strongly recommends a minimum of FOUR years** of science to better prepare students. Many colleges and universities recommend this as well – especially for careers in science, engineering, and the medical field.

The science department has **three different suggested paths** that students may take depending on their career goals.

- **Essential Path** is designed for students to understand the essentials of science and its applications.
- **College/Career Readiness Path** is for students who plan to attend college upon graduation.
- **College/ University Readiness Path** is devised for the college-bound or University-bound student. Especially those who plan on majoring in a science or a science-related field.

	Essential Path	College/Career Readiness Path	College/University Readiness Path
9th:	Chem/Physics Essentials	Chem/Physics Essentials or ADV Chem/Physics Essentials	ADV Biology
10th:	Biology	Biology or ADV Biology May double up with full-year Chemistry or Physics course	<u>3 or more of the following:</u> ADV Chemistry ADV Physics AP Physics 1 AP Biology AP Chemistry (may double up)
11th:	Chemistry or Physics or Semester or Full-Year Electives	<u>2 or more of the following:</u> Chemistry or ADV Chemistry Physics or ADV Physics AP Physics 1 AP Biology AP Chemistry(may double up)	
12th:	Chemistry or Physics or Semester or Full-Year Electives		

Semester Electives

Environmental Science

Environmental Science Hybrid Forensic

Science: Basics of Evidence Forensic

Criminalistics

Genetics

Marine Science

Full-Year Electives

Zoology

* Indicates One Semester Class

Fulfills Math Related

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Career Pathways

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Natural Resources

CHEM/PHYSICS ESSENTIALS a & b - Course #9145a/55b - 1 Year



This course provides a fundamental understanding of the essentials of both chemistry and physics, and prepares students for future full-year Chemistry & Physics courses. Topics such as properties of matter, atomic structure, changes in matter, the periodictable, chemical reactions are covered in the chemistry essentials semester of the class. The physics essentials semester of the class covers motion, forces, energy, momentum, and waves.

ADV CHEM/PHYSICS ESSENTIALS a & b - Course #9188a/89b - 1 Year



This course is designed for the college-bound student interested specifically in a field of science for further study such as chemistry, physics, biology, medicine, health services, engineering, etc. This course provides an in-depth study of the essentials of both Chemistry & Physics and prepares students for future full-year Chemistry & Physics courses. This class is theoretically and mathematically oriented.

Prerequisite: Teacher Approval

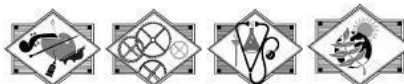
Full-Year Biology Courses

BIOLOGY a & b - Course #9030a/40b - 1 Year



This class includes the topics of: Scientific Inquiry, Cell Structure and transport, Cell reproduction, Biomolecules, Photosynthesis, Cellular Respiration, DNA, Genetics, Ecosystems, and Natural Selection. This class relies heavily on new vocabulary which is essential to success in this class. College-bound students will find this course stimulating and informative. There is an emphasis on cell biology and biochemistry of living things and how they interact. This course is designed for the college bound student but does not reach the depth of the Advanced Biology course.

ADV BIOLOGY a & b - Course #9050a/9050b - 1 Year



This class includes the topics of: Scientific Inquiry, Cell Structure and transport, Cell reproduction, Biomolecules, Photosynthesis, Cellular Respiration, DNA, Genetics, Ecosystems, and Natural Selection. Advanced Biology is a highly challenging course studying the diversity of living things and their dynamic processes. This course is strongly recommended for students in the college readiness and advanced college /university readiness paths, as well as those who are planning to pursue a science-related college major of study.

Prerequisite: Teacher Approval

AP BIOLOGY a & b - Course #9274a/75b - 1 Year



This lab-based course follows the curriculum set forth by the AP Central College Board. Study is focused on molecules, cells, heredity, evolution, organisms, and populations. This course will help students develop a conceptual framework for modern biology and an appreciation of science as a process. The major themes of this course include Science as a Process, Evolution, Energy Transfer, Continuity and Change, Relationship of Structure to Function, Regulation, Interdependence in Nature, and Science, Technology, and Society. Some labs may need to be completed outside of normal class time. (Cont. on next page)

This course is strongly recommended for students interested in advanced class work or careers in the field of science. At the end of this course, the students are encouraged to take the Advance Placement Biology Exam to obtain college cred

Prerequisites: Teacher Approval

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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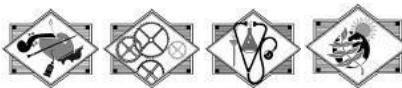


Human Services



Natural Resources

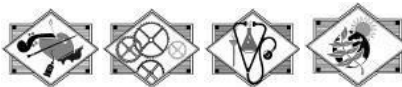
Full-Year Chemistry Courses



CHEMISTRY a & b - Course #9150a/60b - 1 Year

Chemistry is the study of the composition and properties of various types of matter. Laboratory work is an essential component of this course and the same problem-solving skills that are used in algebra are implemented in this course. Typical activities are discussion sessions, demonstrations, lab work, problem solving, and projects. Chemistry is designed for students in all academic paths who are interested in this physical science field.

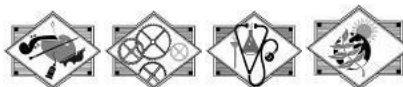
Prerequisite: Algebra I



ADV CHEMISTRY a & b - Course #9170a/80b - 1 Year

This course is designed for the college-bound student interested specifically in a field of science for further study such as medicine, pharmacy, engineering, chemistry, physics, biology, etc. This class is theoretically and mathematically oriented, and students should have strong mathematical and critical thinking skills. The Chemistry 1-Advanced course covers more topics than the Chemistry 1 course, and goes more in-depth on other topics. This course is strongly recommended for students in the college readiness and advanced college/university readiness paths as well as those who are planning to pursue a science-related college major of study.

Prerequisites: Algebra I, & Teacher Approval



AP CHEMISTRY a & b - Course #9210a/11b - 1 Year

This course is designed to be the equivalent of the general chemistry courses taken during the first year of college (2 semesters). It builds and expands on the concepts learned in the first year of chemistry to prepare students to take the Advanced Placement test given by the College Board. This is a rigorous course designed for students with strong critical thinking and mathematical skills, and a solid understanding of topics covered in chemistry. Laboratory experience equivalent to that of a typical college chemistry course will be provided. This course is strongly recommended for students in the college readiness and college/university readiness paths as well as those who are planning to pursue a science-related college major of study.

Prerequisites: Teacher Approval

* Indicates One Semester Class

Fulfills Math Related

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Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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Full-Year Physics Courses



PHYSICS a & b # - Course #9220a/30b - 1 Year

Meets Math-Related One (1) Credit Graduation Requirement

Want to know more about the world around you? How do things work? Why do things happen a certain way? Then Physics is the class for you! Physics is also an essential course for those interested in engineering, and it is also foundational for many science-based careers, including those in the medical field. Physics is a lab-based general survey course that includes the major topics of motion, forces, momentum, energy, waves, optics, and DC circuits. Hands-on lab work is an essential part of this course, and problem-solving skills used in algebra and geometry are applied in this course. Typical activities are class discussions, demonstrations, lab investigations, problem solving, and projects (e.g. - catapults & cardboard boats).

Physics is designed for students in all academic paths who are interested in physical science, and learning about how things work in the physical world around them.

Prerequisite: Geometry

ADV PHYSICS a & b # - Course #9240a/50b - 1 Year

Meets Math-Related One (1) Credit Graduation Requirement



Advanced Physics is an essential course for engineering, but it is also foundational for many science-based careers, including those in the medical field. Advanced Physics is a lab-based general survey course that includes the major topics of motion, forces, momentum, energy, waves, optics, and DC circuits.

Hands-on lab work is an essential part of this course, and problem-solving skills used in algebra and geometry are applied in this course. Typical activities are class discussion, demonstrations, lab investigations, problem solving, and projects (e.g. - catapults & cardboard boats).

This course is strongly recommended for students in the college readiness and college/university readiness paths, as well as those who are planning to pursue an engineering/science/medical-related college major of study.

Prerequisite: Geometry & Teacher Approval

AP PHYSICS 1 a & b # - Course #9221a/31b - 1 Year

Meets Math-Related One (1) Credit Graduation Requirement



AP Physics 1 is a lab-based course that covers Kinematics (motion), Forces, Momentum, Energy, Rotational Motion, Torque, and Simple Harmonic Motion & Fluids.

AP Physics 1 great class for first-year Physics students who excel in Math and Science as well as those who have taken Physics or ADV Physics previously.

Completion of this course will prepare students for the AP Physics 1 exam, which could earn awarded college credit. This course is strongly recommended for students in the college readiness and college/university readiness paths, as well as those who are planning to pursue an engineering/science-related degree.

Prerequisite: Geometry. Teacher Approval. No prior physics course is necessary. Students should be concurrently enrolled in (or have completed) Algebra 2 (1 year) or higher math.

* Indicates One Semester Class

Fulfills Math Related

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Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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Semester Electives



ENVIRONMENTAL SCIENCE * - Course #9233 - 1 Semester, Grades 11-12

Environmental science is an interdisciplinary science that uses concepts and information from natural sciences such as ecology, biology, chemistry, geology, and social sciences such as economics, politics, and ethics to help us understand how the earth works, how we are affecting the earth's environment for us and other forms of life, and how to deal with the environmental problems we face.



ENVIRONMENTAL SCIENCE HYBRID * - Course #9130 - 1 Semester, Grades 11-12

Environmental science is an interdisciplinary science that uses concepts and information from natural sciences such as ecology, biology, chemistry, geology and social sciences such as economics, politics, and ethics to help us understand how the earth works, how we are affecting the earth's environment for us and other forms of life, and how to deal with the environmental problems we face. Assignments will be primarily online with some labs on class meeting days.



FORENSIC SCIENCE: BASICS OF EVIDENCE * - Course #9310 - 1 Semester, Grades 11-12

Forensic Science is a class for 11th and 12 graders interested in applying basic science skills from biology, chemistry and physics, along with advances in technology, for the purposes of justice in the study of criminal and civil matters. Major themes of study in this course include Crime Scene Investigation (CSI), human remains and autopsy, fingerprints, DNA, hair, fibers, including dissection of a fetal pig, microscopy, and examination of famous case studies.



FORENSIC SCIENCE: CRIMINALISTICS * - Course #9300 - 1 Semester, Grades 11-12

Forensic Science is a class for 11th and 12 graders interested in applying basic science skills from biology, chemistry and physics, along with advances in technology, for the purposes of justice in the study of criminal and civil matters. Major themes of study in this course include Crime Scene Investigation (CSI), drugs, toxicology, trace evidence, blood, ballistics, including microscopy and examination of famous case studies.



GENETICS * - Course #9234 - 1 Semester, Grades 11-12

Genetics is the branch of biology that deals with the mechanisms of hereditary transmission and the variation of inherited characteristics among similar or related organisms. To study genetics, one must understand how the cell is structured and how it functions. In this course we will also look at how genetics affects our society, including law and ethics.



MARINE SCIENCE * - Course #9450 - 1 Semester, Grades 11-12

Marine Science will include a study of the physical, chemical, and geological aspects of oceanography, marine biology, the coastal environment, and the interrelationships among these disciplines. Students will participate in a variety of learning experiences, including laboratory experiments, discussions, projects, and independent research. Ethical and social issues related to the marine environment will also be addressed.



Full-Year Electives

ZOOLOGY - Course # ZOL101a/b -1 year, Grades 11-12

Zoology is designed for those students desiring greater experiences in the biological sciences. This two-term course covers animals anatomy and physiology along with classification of the animal kingdom. General areas of study include levels of organization, the anatomical and physiological characteristics of all major animal phyla, ecological adaptations, and laboratory techniques. Students will conduct labs including dissections and learning some of the characteristics used to identify local animal species. This course will familiarize students with educational and occupational opportunities in the field. Zoology is designed to prepare students for college science courses, especially those pursuing a biology or medical degree or for students interested in learning the Animal Kingdom.

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class

+ Fulfills VPAA (Visual, Performing, and Applied Arts)

AP - Indicates Advanced Placement

^ Prerequisite required, check course description

Career Pathways



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Human Services



Natural Resources

Social Studies Department

Course Description

Social Studies AP Recommendations

Incoming 9th graders:

To be placed in Advanced Civics or Global Economics students must meet all of the following requirements:

1. A fall or winter NWEA reading score of 225 or higher
2. A consistent A/B grade in 8th grade Social Studies.
3. Teacher Recommendation.

Incoming 10th graders:

To be placed in an AP Social Studies class students must meet two of the three following requirements:

1. Students must successfully complete Advanced Civics AND Advanced Economics with an A or B (80% minimum) both semesters.
2. Students must obtain a teacher recommendation for the requested AP course.
3. Students must complete the NWEA Reading test with a minimum RIT score of 235 or a score of 390 or higher on the PSAT Reading and Writing Assessment.

Incoming 11th and 12th graders:

To be placed in an AP Social Studies class students must meet two of the three following requirements:

1. Successful must successfully complete American History OR World History with an A or B (80% minimum) both semesters.
2. Students must obtain a teacher recommendation for the requested AP course.
3. Students must complete the NWEA Reading test with a minimum RIT score of 235 or a score of 390 or higher on the PSAT Reading and Writing Assessment.

General Stipulations:

Students who do not have a valid, qualifying NWEA Reading score (due to district transfer or other circumstances) must take the NWEA Reading test to demonstrate proficiency before being placed into an AP course.

At the semester mark, teachers will identify students who are failing the class or who are not making sufficient academic progress to meet the benchmarks identified by the College Board. These students may be transferred to the corresponding non-AP section of the class (10th graders) or placed into a different elective (11th and 12th graders).

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Human Services



Natural Resources

Ninth Grade Required Courses

GLOBAL ECONOMICS & PERSONAL FINANCE * - Course #5043 - 1 Semester



Economics is a semester long course that examines scarcity, how people use resources, and how individuals and governments make decisions. Students will explore topics such as wealth, finance, recessions, and banking. The course begins with microeconomics, which focuses on choices made by individuals and businesses. Topics include personal budgeting, the laws of supply and demand, and starting a business. Students will also study macroeconomics, which examines the economy as a whole. Macroeconomics topics include economy, industries, banking systems and the business cycle. Through this lens, students will analyze major economic questions such as why recessions occur, how increases in gas prices affect the economy, and why the national debt is so large.

* Completion of the Global Economics course fulfils the Michigan personal finance credit requirement.

ADV GLOBAL ECONOMICS & PERSONAL FINANCE * - Course #5062a - 1 Semester



This course explores the same topics as Global Economics but at a deeper level and at an accelerated pace. It is designed to help students strengthen students' analytical skills and encourage critical examination of economic problems and real-world issues. Students are expected to conduct independent research and work on projects outside of class. The course includes a required research paper as well as additional readings beyond the textbook. Completion of this Global Economics course fulfils the Michigan personal finance graduation requirement. Students may also chose to take Personal Finance or Surviving Life After High School at a later time to fulfil the personal finance credit.

Prerequisite: See the Social Studies ADV/AP Recommendations

CIVIC EDUCATION * - Course #5040 - 1 Semester



Civics is a semester long course in which students learn about and analyze: the foundations of the United States government. Topics include the structure, and functions of the three branches, the laws and principles of the Constitution, and the duties and responsibilities of citizenship.

ADV CIVIC EDUCATION * - Course #5060b - 1 Semester



This course explores the same topics as Civics but at a deeper level and at an accelerated pace. It is designed to strengthen students' analytical skills and encourage critical examination of issues and problems facing the United States government. to deal critically with problems and issues facing the government. Students are expected to conduct research and work on projects outside of class. The course includes a required research paper as well as additional readings beyond the textbook.

Prerequisite: See the Social Studies ADV/AP Recommendation

* Indicates One Semester Class

Fulfills Math Related

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+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

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Human Services



Natural Resources

Tenth Grade Required Courses

UNITED STATES HISTORY (1870 to Present) a & b - Course #5034a/5034b - 1 Year



United States History is a one-year survey course that is a chronological and thematic survey of the United States since 1870, from Industrialization to the present day. Economic, social, and political forces have shaped and challenged the democratic ideals the country was founded on. As a result, the United States is constantly evolving. Not only will students learn about how this fascinating evolution took place, but they will learn to analyze and think critically about why it happened and how historical forces continue to shape the country today. Students will learn how this history has impacted them and the U.S. and the role they play in the history of tomorrow. The course is based on the MI State Social Studies Standards for U.S. History.

Students will be able to: place historical events in the proper context; understand the causes and effects of events in history; identify similarities and/or differences between historical events/eras; read, analyze, and interpret history through primary and secondary sources; identify themes and trends in history; understand and explain different perspectives; and think and write critically about the course and causes of United States History. Students will identify their role in maintaining and expanding the democratic ideals that have been the basis for what the country has attempted to fulfill since the Declaration of Independence.

Eleventh Grade Required Courses

WORLD HISTORY a & b - Course #5165a/66b - 1 Year



World History and Geography is a year-long survey course that explores the historical development of people, places, and patterns of life from ancient times until the present day. This class looks at history through the lenses of social, political, and economic change. Themes explored in the class also include science, religion, philosophy, politics & law, military conflict, literature & the arts. The course will illuminate connections between our lives and those of our ancestors around the world.

Students in World History and Geography will uncover patterns of behavior, identify historical trends and themes, explore historical movements and concepts, and test theories. Students will refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, and evaluate information; write clearly and convincingly in essay and short answer formats; express facts and opinions orally; and use technology appropriately to present information.



WORLD HISTORY a & b Hybrid- Course #5171a/5172b - 1 Year

World History and Geography is a year-long survey course that explores the historical development of people, places, and patterns of life from ancient times until the present day. This class looks at history through the lenses of social, political, and economic change. Themes explored in the class also include science, religion, philosophy, politics & law, military conflict, literature & the arts. The course will illuminate connections between our lives and those of our ancestors around the world. Students in World History and Geography will uncover patterns of behavior, identify historical trends and themes, explore historical movements and concepts, and test theories. Students will refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, and evaluate information; write clearly and convincingly in essay and short answer formats; express facts and opinions orally; and use technology appropriately to present information.

The hybrid class covers the same material and uses the same grading scales as the regular World History class, but all work is completed and submitted electronically. The hybrid class allows students in good academic standing to have flexibility with their schedule. Furthermore, the hybrid class teaches students how to write and communicate effectively in online academic settings.

Students wishing to enroll in the hybrid section of World History should have experience in the following: email, Blackboard, Microsoft Word and Google Documents. Access to a computer and the internet is preferable but not required.

* Indicates One Semester Class

Fulfills Math Related

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Career Pathways

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ELECTIVES



AP US GOVERNMENT & POLITICS*-Course # AP5040a/5040b – 1 Year, Grades 10-12

This two-semester course provides students with a critical and in-depth understanding of politics and government in the U.S. Students study foundational concepts used to interpret U.S. politics while analyzing key case studies, Supreme Court decisions, and current political issues. Emphasis is placed on the Constitution, political beliefs and behaviors, political parties and interest groups, the institutions of national government, public policy, and citizen participation.

The course prepares students to take the AP examination and potentially earn college credit. It fulfills the Civics graduation requirement, and students who have already completed Civics may take AP U.S. Government and Politics as an elective. This course is designed to be equivalent to an introductory college-level course in American Government



HISTORY & CINEMA *- Course # MHIST1500- 1 Semester, Grades 10-12

This semester course will offer students the opportunity to examine history through the camera lens. Students will learn to analyze films critically to understand the filmmaking process and to evaluate film as a cultural and historical artifact. Course requirements include film screenings, assigned readings, class discussions and an accumulative project.



WOMEN'S HISTORY * - Course # WHIST1270-1 Semester, Grades 9-12

This course in Women's History will look in depth at the contribution's women have made in the world and United States History (HER-STORY). We will study specific women by name (Joan of Arc, Cleopatra, Harriet Tubman, Eleanor Roosevelt, Queen Elizabeth, Elizabeth Cady Stanton, Michelle Obama, Oprah Winfrey to name a few) and not just as a group from early history to the modern world and then in American History. Finally, we will end the semester by studying women today in society including how they have made change and their traditional roles have changed and evolved. Students will have the opportunity to complete an independent study of a woman of their own choosing and evaluate her contributions.

BEHAVIORAL SCIENCE * - Course #5270 - 1 Semester, Grades 10-12

This course is a one-semester elective that introduces students to the behavioral sciences: Psychology, Sociology, and Anthropology. The course focuses on the study of human origins and human behavior both at the societal and at the individual level. Behavioral Science provides insight into who we are and why we act, learn, and think the way we do.

In Anthropology, students' study and understand human evolutionary ancestry. Students learn about the theory of natural selection, examine fossils and the phylogeny of human ancestry, and take a trip to the Detroit Zoo to study chimpanzees, our closest living relatives. In Sociology, students examine how humans act and interact by examining and understanding culture. Students examine the symbols, language, values, and norms of American culture. Students also study how the environment, family, peers, and media shape culture. To deepen this understanding, students study language, identify similarities between other cultures and American culture, study human culture at a mall and try the cuisine of a different culture/ethnicity. In Psychology, students learn how mental processes and behaviors interact, how we learn, and how we determine and diagnose mental disorders.



LAW AND ORDER * - Course #5280 - 1 Semester, Grades 10-12

The goal of this class is to provide a practical understanding of law and the legal system that will be useful to students in their everyday lives. With this understanding, we hope to encourage effective participation in our legal system and to bring about greater justice, tolerance, and fairness.

Students in this one semester elective class will learn the basic structure of our legal system and the relationship between legislatures,

* Indicates One Semester Class

Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
+ Fulfills VPAA (Visual, Performing, and Applied Arts)

Career Pathways

AP - Indicates Advanced Placement

^ Prerequisite required, check course description



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courts, and law enforcement agencies. Students will learn about laws and processes involved in the justice system as well as those related to family and consumer law. Instruction will include topics such as contracts, leases, small claims courts, court trials, and other legal procedures. This class will hopefully help students learn how to choose courses of action to avoid potential legal problems and how to seek appropriate solutions for other legal matters. Activities will include role-playing, simulations, mock hearings, case studies and guest speakers from the community, such as police officers, judges, and attorneys.

LAW AND ORDER *-Course # LAWHYB100- 1 Semester, Grades 10-12



The goal of this class is to provide a practical understanding of law and the legal system that will be useful to students in their everyday lives. With this understanding, we hope to encourage effective participation in our legal system and to bring about greater justice, tolerance, and fairness.

Students in this one semester elective class will learn the basic structure of our legal system and the relationship between legislatures, courts, and law enforcement agencies. Students will learn about laws and processes involved in the justice system as well as those related to family and consumer law. Instruction will include topics such as contracts, leases, small claims courts, court trials, and other legal procedures. This class will hopefully help students learn how to choose courses of action to avoid potential legal problems and how to seek appropriate solutions for other legal matters. Activities will include role-playing, simulations, mock hearings, case studies and guest speakers from the community, such as police officers, judges, and attorneys.

The Hybrid version of this course will cover the same topics; however, the class will utilize an online-based format. Students should be familiar with Schoology, Microsoft 365, and email. Access to a computer and the internet is preferable but not required.

AP UNITED STATES HISTORY a & b - Course #5304a/5304b - 1 Year, Grade 11-12



Advanced Placement United States History is the equivalent of a two-semester introductory college course in U.S. History. This course will give students the essential studying, reading, and writing skills needed for college readiness. It will also prepare students for the Advanced Placement American History examination at the end of the year. Students who pass the exam in May earn college credit. APUSH is a two-semester survey of American History from the age of exploration to the present. Students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. AP U.S. History is open to Sophomores who earned at least a B in Advanced Civics/Economics, all Juniors, and all Seniors.

Prerequisite: Teacher Approval

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AP WORLD HISTORY MODERN a & b - Course #5302a/b - 1 Year, Grade 10-12



Modern is designed to be the equivalent of a two-semester introductory college or university world history course. In AP WorldHistory: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

AP World History: Modern is designed to be the equivalent of an introductory college or university survey of modern world history. There are no prerequisites for AP World History: Modern. Students should be able to read a college-level textbook and write grammatically correct, complete sentences. AP World History: Modern is open to Sophomores who earned at least a B in Advanced Civics/Economics, all Juniors, and all Seniors.



WORLD AFFAIRS* - Course #5230 - 1 Semester, Grades 10-12

This class will focus on the issues facing our modern world. Students will develop an understanding of the world and its people to become better informed participants in a global society. Topics may include terrorism, environmental issues, poverty, international conflicts, human rights, etc. Students are expected to actively participate in daily class discussions, present in front of their peers, and conduct research outside of class



WORLD AFFAIRS * (HYBRID) - Course #5230H – 1 Semester- Grades 10-12

The hybrid section of World Affairs covers the same content as the traditional course, but all the coursework is completed and submitted electronically through Schoology. The option allows students in good academic standing to have greater flexibility in their schedules while developing skills necessary for online academic communication. This class will focus on the issues facing our modern world. Students will develop an understanding of the world and its people to become better informed participants in a global society. Topics may include terrorism, environmental issues, poverty, international conflicts, human rights, etc. Students will be required to participate in class discussion and conduct research outside of class.

Students wishing to enroll in the hybrid section of World Affairs should have experience in the following: email, Schoology, Microsoft Word, and Google Documents. Access to a computer and the internet is preferable but not required. Access to a computer and reliable internet is recommended but not required.



STUDENT LEADERSHIP* - Course#2015a/2017b – 1 Year, Grades 10-12

Student leadership is a class where students will learn to become effective leaders in the school and community by demonstrating an understanding of civic inquiry and public discourse, participating in civic life, decision making, communication, and citizen involvement. The goal of this class is to build a successful, connected, and sustainable school community. Leadership develops students to be leaders inside and outside of Warren Woods Tower.

Leadership students not only explore the criteria for being an impactful leader, but they put these criteria into action. Students actively create positive change in the school, the community, and themselves. They do this by creating committees, collaborating on goals, and working with their classmates to achieve those goals.

Leadership students also participate in the Peer-to-Peer program. Students collaborate with Special Education students and engage in shared activities. Peer education gives Leadership students knowledge and skills that demystify disabilities and increase understanding and acceptance. Peer-to-Peer provides an incredible opportunity to learn, grow, gain new skills,

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hone leadership skills, and develop new friendships. The goals of this program are to increase interactions between the general education and special education population at WWT, to improve awareness and acceptance of individual differences, and to foster the development of new, lasting friendships.

Prerequisite: Leadership students must submit a recommendation form from at least two staff members that they have to fill out and submit to the Leadership teacher before they can join the class. Counselors will give students the recommendation forms. Leadership students need to maintain good grades, actively participate in the Peer-to Peer program, take an active role in their committees and communities, and uphold leadership attributes inside and outside of the classroom to continue being enrolled.

PUBLIC SPEAKING IN OUR MODERN WORLD * - Course#4299 – 1 Semester, Grades 9-12



This one-semester course offers an overview of the process of communication and provides a variety of public speaking experiences. Students will develop critical speaking and listening skills with a focus on communication both formally and informally. **Required speeches** are the self-introduction speech, the informative speech, the persuasive speech, and the speech for a special occasion. This course will help students learn skills to reduce stage fright, develop basic speaking skills, help students be better prepared for job interviews, public interaction and understand how we communicate by analyzing historical and modern speeches

PERSONAL FINANCE * - Course #6751 - 1 Semester, Grades 10-12



The goal of Personal Finance is to help students to become financially responsible, conscientious members of society and have financial success in life. To reach that end, this course develops students' understanding and skills in such areas as money management, budgeting, how to stay out of debt, the wise use of credit, insurance, investments, and consumer rights and responsibilities. Students will analyze their personal financial decisions, evaluate the costs and benefits of their decisions, recognize their rights and responsibilities as consumers, learn how to be a smart shopper, and apply the knowledge learned to real life economic and financial situations

PERSONAL FINANCE HYBRID- Course #6767 - 1 Semester, Grades 10-12



The goal of Personal Finance is to help students to become financially responsible, conscientious members of society and have financial success in life. To reach that end, this course develops students' understanding and skills in areas such as money management, budgeting, how to stay out of debt, the wise use of credit, insurance, investments, and consumer rights and responsibilities. Students will analyze their personal financial decisions, evaluate the costs and benefits of their decisions, recognize their rights and responsibilities as consumers, learn how to be a smart shopper, and apply the knowledge learned to real life economic and financial situations.

The hybrid version of this class will follow the same topics, however, will be done utilizing an online format. Students must be familiar with using Schoology, email, Google Docs and Slides. Students will learn how to effectively communicate in a written format and how to use their time in an efficient way.



AP Psychology- Course - #5256a / #5256b -1 year-Grades 11-12 AP Psychology functions as an equivalent to an introductory college level Psychology course. This course will provide students with comprehensive knowledge of the scientific study of human behavior and mental processes. Students will engage with content through reading text and research, hands-on activities, and in-depth discussions of key concepts shaped to prepare them for the AP Psychology exam. Some topics addressed in this course include the different psychological perspectives, biological bases of behavior, human development, psychological disorders, and therapies. Students will learn to evaluate scientific claims and evidence.

In the spring, students will have the opportunity to take the AP Psychology exam for college credit.

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SURVIVING LIFE AFTER HIGH SCHOOL*-SURL100- 1 Semester, Grades11-12

Surviving Life After High School is a one-semester course designed to equip students with the skills and knowledge needed to navigate life after high school successfully. The course covers essential topics such as personal finance, independent living, and

practical aspects of transitioning to adulthood, whether attending college or entering the workforce. Students will gain insights into goal setting, decision-making, the college application process, and preparing for future career paths. This class provides valuable tools to help students make informed choices about their next steps.

Additionally, this course will fulfill the Michigan Personal Finance credit requirements. Students will engage with key personal finance standards, including budgeting, saving, investing, credit management, and financial planning, in alignment with Michigan's Personal Finance Content Expectations. This course combines practical financial knowledge with life skills to prepare students for financial independence and decision-making in adulthood.

Prerequisite: This class is intended for juniors and seniors



HYBRID SURVIVING LIFE AFTER HIGH SCHOOL*- HYSUR100 - 1 Semester, Grades 11-12

Surviving Life After High School is a one-semester hybrid course designed to equip students with the skills and knowledge needed to navigate life after high school successfully. The course covers essential topics such as personal finance, independent living, and the practical aspects of transitioning to adulthood, whether attending college or entering the workforce. Students will gain insights into goal setting, decision-making, the college application process, and preparing for future career paths. This class provides valuable tools to help students make informed choices about their next steps.

Additionally, this course will fulfill the Michigan Personal Finance credit requirements. Students will engage with key personal finance standards, including budgeting, saving, investing, credit management, and financial planning, in alignment with Michigan's Personal Finance Content Expectations. This course combines practical financial knowledge with life skills to prepare students for financial independence and decision-making in adulthood.

Prerequisite: This class is intended for juniors and seniors.

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World Language Department

Course Descriptions

French

Students have the opportunity to study the French language and culture for up to 4 years. Each year integrates the four skills of speaking, reading, writing, and listening. Language and culture are taught simultaneously through thematic units that allow students to increase their language proficiency while exploring and comparing cultures of French speaking countries around the world. As students progress through each year of study, their skills are reinforced while also adding new content, preparing them for a wide variety of communicative situations.

FRENCH Ia & Ib - Course #6010a/20b - 1 Year

Students begin communicating in the French language from day one starting with memorized phrases and vocabulary. As students become familiar with the sound and rhythm of the language, students are taught more complex language structures and concepts. Students should expect to be using the French language to describe themselves, others and the world around them in present tense situations and begin to be familiar with describing both past and future situations.

Prerequisite: None

FRENCH IIa & IIb - Course #6030a/40b - 1 Year

Students will review skills learned during their first year of study expanding their proficiency to include full use of the past, present and future structures. This allows them to communicate in a wider variety of situations. Students continue to explore French speaking cultures around the world through thematic units, including travel, holidays and music.

Prerequisite: Successful completion of French I a & French I b

ADV FRENCH IIIa & IIIb - Course #6050a/60b - 1 Year ADV

FRENCH IVa & IVb - Course #6070a/80b - 1 Year

The advanced French classes receive honors credits. Students take their language proficiency even further through thematic units, including travel, holidays and music. Students are encouraged to explore culture in depth to understand the reasons behind their cultural comparisons using research skills, background knowledge and personal experiences. As culture topics and language learning becomes more complex, students will analyze how language and culture interact and directly effect and evolve with each other.

Prerequisite: Teacher Recommendation

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SPANISH

SPANISH Ia & Ib - Course #6090a/6100b - 1 Year



Course Description – Spanish I Spanish I is an introductory course designed to develop students' ability to communicate in Spanish at the ACTFL Novice Low–Mid proficiency levels. Instruction emphasizes the development of listening, speaking, reading, and writing skills through frequently used vocabulary and practical, real-world contexts. Grammar and phonetics are integrated throughout each unit to support meaningful communication. The course incorporates cultural perspectives, practices, and products from Spanish-

speaking countries to promote cultural awareness and global understanding. By the end of the course, students will demonstrate basic communicative competence, including the ability to understand and produce simple phrases and sentences related to everyday topics, while developing confidence in language learning.

Course Description – Spanish II Spanish II builds upon the skills developed in Spanish I and further develops students' ability to communicate in Spanish at the ACTFL Novice Mid–High proficiency levels. The course emphasizes continued growth in listening, speaking, reading, and writing skills through realworld contexts. Students review present-tense structures and begin communicating in the past tense, with grammar taught in context to support meaningful communication. The course incorporates cultural perspectives, 50 practices, and products from Spanish-speaking communities to deepen cultural awareness and global understanding. By the end of the course, students will demonstrate increased communicative competence while developing confidence and sustained interest in Spanish language learning. Prerequisite: Successful completion of Spanish I (Spanish Ia & Ib)

SPANISH IIa & IIb - Course #6110a/20b - 1 Year



Course Description – Spanish II Spanish II builds upon the skills developed in Spanish I and further develops students' ability to communicate in Spanish at the ACTFL Novice Mid–High proficiency levels. The course emphasizes continued growth in listening, speaking, reading, and writing skills through realworld contexts. Students review present-tense structures and begin communicating in the past tense, with grammar taught in context to support meaningful communication. The course incorporates cultural perspectives, practices, and products from Spanish-speaking communities to deepen cultural awareness and global understanding. By the end of the course, students will demonstrate increased communicative competence while developing confidence and sustained interest in Spanish language learning.

Prerequisite: Successful completion of Spanish 1a & 1b

ADV SPANISH IIIa & IIIb - Course #6130a/40b - 1 Year



Course Description – ADV Spanish IIIA and Spanish IIIB Spanish III builds upon the skills developed in Spanish I and II, focusing on further developing students' ability to communicate at the ACTFL Intermediate Low–Mid proficiency levels. This advanced course emphasizes continued growth in listening, speaking, reading, and writing skills through real-world contexts, moving beyond the basic Spanish tenses. This course continues to incorporate cultural perspectives, practices, and products from Spanish-speaking communities, deepening cultural awareness and global understanding. By the end of the course, students will demonstrate growing confidence in more abstract concepts and real-world situations. This course is weighted as honors credit.

Prerequisite: Successful completion of Spanish II with a “C” average or better.

ADV SPANISH IVa & IVb - Course #6150a/60b - 1 Year

Objectives: To continue to expand and refine the student's capability of the Spanish language. Focus will be given to growth in the four aspects of the language: listening, speaking, reading and writing. At this level, students are expected to have a solid foundation of the language as all activities apply the language using authentic resources. In depth studies of the art and poetry of the Spanish language will take place.

Implementation: The same as Spanish I, II and III. In addition, the student, through the text and supplementary materials, will begin to read in a more analytical manner. He/she will begin to discuss orally and in written form the ideas expressed in literary works. Students will also begin to express their own ideas about the world they live in, its happenings, and values.

Prerequisite: Passed Advanced Spanish III with a “C” average or better

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