



Warren Woods Tower
High School

Warren Woods Public Schools

Instructional Program Course Descriptions

2025-2026

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Course Descriptions are available on-line at <http://www.warrenwoods.misd.net/our-schools/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, MI48089, (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.

* - 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Introduction

This 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 or uncertainty of not knowing what courses you need for a specific career- technical or college course of study.

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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*.

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Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

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.

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Career Pathways



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 or Physical Education Elective	1/2

Visual, Performing, & Applied Arts (1)

1

World Language (2)

2

Electives (4)

4

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Career Pathways



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 1a#

Computer Programming 1b#

Web Page Design 1a

AP Computer Science

Principals+#

Web Page Design 1b

College Dual

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

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

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Career Pathways



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*
Strategies for 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 +

CTE-Health Services

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

Mathematics

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

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 *

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

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Arts & Communication



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WWT NCAA APPROVED COURSES

This page includes 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

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 Statistics
AP Calculus
AP Computer Science Principles

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

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Career Pathways



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 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.

- | | | |
|--|---|---|
| <p>Interests:</p> <ul style="list-style-type: none"> • 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 | <p>Skills:</p> <ul style="list-style-type: none"> • 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 | <p>Abilities:</p> <ul style="list-style-type: none"> • 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.

- | | | |
|---|--|--|
| <p>Interests:</p> <ul style="list-style-type: none"> • 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 | <p>Skills:</p> <ul style="list-style-type: none"> • 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 | <p>Abilities:</p> <ul style="list-style-type: none"> • 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 |
|---|--|--|

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Career Pathways



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: | Skills: | Abilities: |
|---|---|---|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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: | Skills: | Abilities: |
|---|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 |

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Career Pathways



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: | Skills: | Abilities: |
|--|---|---|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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: | Skills: | Abilities: |
|---|--|---|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 |

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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.

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Engineering/Manufacturing &
Industrial Technology



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Human Services



Natural Resources

ACCOUNTING II/COMPUTERIZED-Hybrid- # + - Course #6923a/6924b
(SMTEC: CLHS, LHS) – 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.

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.

* - 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



Arts & Communication



Business Management
 Marketing & Technology



Engineering/Manufacturing &
 Industrial Technology



Health Sciences
 & Agriscience



Human Services



Natural Resources



MARKETING Ila & 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# 6945/6946
(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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Career Pathways



Arts & Communication



Business Management
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Engineering/Manufacturing &
 Industrial Technology



Health Sciences
 & Agriscience



Human Services



Natural Resources

English Department

Course Descriptions

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 communication skills, 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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AP - Indicates Advanced Placement
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Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
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Health Sciences
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Human Services



Natural Resources

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.

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Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
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Health Sciences
& Agriscience



Human Services



Natural Resources

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 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 & 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 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.

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, job application completion, resume writing, and trade school exploration. 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 and more.

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Career Pathways



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Health Sciences
& Agriscience



Human Services



Natural Resources



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.



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.

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Career Pathways



Arts & Communication



Business Management
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Health Sciences
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Human Services



Natural Resources



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.

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Career Pathways



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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

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.

STRATEGIES FOR 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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Career Pathways



Arts & Communication



Business Management
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Engineering/Manufacturing &
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Health Sciences
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Human Services



Natural Resources

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

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Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
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Health Sciences
& Agriscience



Human Services



Natural Resources

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.

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

Prerequisite: 2 years of art and teacher approval.



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

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 technique.

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

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Career Pathways



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Human Services



Natural Resources

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.



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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Career Pathways



Arts & Communication



Business Management
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Human Services



Natural Resources

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.

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Career Pathways



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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**



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.

* - 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources



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)

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

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

CTE Health Sciences

All of the Health Science classes (Med Term, A&P, MA, PCT, CNA w/MCC) 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 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.

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- 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

MEDICAL ASSISTANT #+ - 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, 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. 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
Macomb Community College- Certified Nursing Assistant
(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 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 certification is offered. MIOSHA Safety Curriculum and the Health Science Core curriculum are taught. This class is in affiliation with Macomb Community College and will include clinical hours at approved nursing home/healthcare facilities to meet State of Michigan clinical hours requirements.

Upon successful completion of this course students will have the opportunity to become certified by testing with the State of Michigan at their designated testing agency. Students will be able to participate 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.

* - 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



Arts & Communication



Business Management
 Marketing & Technology



Engineering/Manufacturing &
 Industrial Technology



Health Sciences
 & Agriscience



Human Services



Natural Resources



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 9Upon 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.

MEDICAL CAREER & SYSTEMS ANATOMY & PHYSIOLOGY + - Course #6615a/6616b

(SMTEC: WWTHS) – 1 credit, 2 semesters, Grades 10-12

Meets VPAA One (1) Credit Graduation Requirement Or

Meets Science Elective One (1) Credit Graduation Requirement



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 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.

* - 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

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.



HEALTH SCIENCE EXTERNSHIP (CO-OP) - Course #6789a/6790b (SMTEC: WWT) – 2 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 required.**



Arts & Communication



Business Management
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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
(SMTEC: 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) Clas AP - Indicates
 + - Fulfills VPAA (Visual, Performing, and Applied Arts)

Advanced Placement
 ^= Prerequisite required, check course description



Arts & Communication



Business Management
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Engineering/Manufacturing &
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Health Sciences
 & Agriscience



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.

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 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)

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

Career Pathways



Arts & Communication



Business Management
 Marketing & Technology



Engineering/Manufacturing &
 Industrial Technology



Health Sciences
 & Agriscience



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.**

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 - Fulfills Math Related

ADV - Indicates Advanced (Honors) Class
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AP - Indicates Advanced Placement
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Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



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
ADV 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*College
Algebra

Electives

The following classes DO NOT fulfill mathematics graduation requirement

Web Design I
Web Design II
Algebra Support
Geometry Support

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Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources



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

A modern course in algebra for students who are considering college. Topics include first degree equations, verbal problems, polynomial operations, factoring, fractional expressions and quadratics.



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

A course in plane and solid geometry to acquaint students with the structure of geometry and the design of a formal proof. Topics include proofs, polygons, planes, inequalities, ratio, geometry of the circle and right triangles and volume. This course requires a good background in Algebra I.



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

An extension of the Algebra I course. Topics include functions, fractional expressions, quadratics, systems of linear equations, proportion and variations, exponents, radicals, complex numbers, determinants and the binomial theorem.



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

An extension of the Algebra I course which incorporates the first semester curriculum of Algebra II extended over one year. Topics include functions, fractional expressions, quadratics, systems of linear equations, proportion and variations, exponents, radicals, complex numbers, determinants, and the binomial theorem.

Prerequisite: Teacher Recommendation



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

An extension of the Algebra I course which incorporates the second semester curriculum of Algebra II extended over one year. Topics include functions, fractional expressions, quadratics, systems of linear equations, proportion and variations, exponents, radicals, complex numbers, determinants, and the binomial theorem.

Prerequisite: Teacher Recommendation



PRECALCULUS a & b - Course #7233a/34b - 1 Year

This is a two-part course divided into one semester of trigonometry and one of advanced algebra. Topics include advanced algebra, trigonometry and geometry, statistics, analytic geometry, and an introduction to calculus.

Prerequisite: Algebra I, Algebra II, and Geometry

* - 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources



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

A course for the exceptional student dealing with many of the same topics as regular geometry except in more depth.

Prerequisite: Teacher Approval



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

A continuation of Algebra I A with trigonometry integrated into the course. Topics include the real number system, rational expressions, complex numbers, exponential and logarithmic functions, conic sections, circular functions and binomial theorem and systems of equations.

Prerequisite: Teacher Approval



ADV PRECALCULUS a & b - Course #7235a/36b - 1 Year

This course is intended to give the college bound student a background in various areas of advanced mathematics. Topics include foundations of mathematics, review of algebra, equations, inequalities, functions, analytic geometry and introduction to calculus.

Prerequisite: Teacher Approval



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

Advanced Placement Calculus (Calculus AB) is a challenging course that is meant to be the equivalent of a college Calculus I course and can earn student's college credit. The purpose of this course is to prepare students for the Advanced Placement Calculus AB examination and for college-level courses. This full-year course is based on three major concepts of calculus: limits, derivatives and their applications, and integrals and their applications.

Prerequisite: Teacher Approval



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

This full year Advanced Placement course is equivalent to a college-level Statistics class and would be very beneficial for students going into the fields of business, social sciences, or mathematics. This rigorous course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, sampling, and experimentation, anticipating patterns and statistical inference. Students should also have the ability to explain and process results in written form. Students are strongly encouraged to take the AP Statistics Exam, and if successful may be eligible to receive college credit.

Prerequisite: Algebra I, Algebra II, and Geometry

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- Fulfills Math Related

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Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources



PROBABILITY AND STATISTICS Ia * - Course #7323a - 1 Semester, Grades 11-12

This course is an integration of mathematics and science. The activities completed during this one semester course will allow students to collect, sort, organize, represent, and analyze data. This course is designed to make students wise consumers of information and “prepared” citizens in the age of technology and mass communication.



PROBABILITY AND STATISTICS IIb - Course #7326b - 1 Semester, Grades 11-12

This course is a continuation of Probability and Statistics I. The topics covered during this semester will go much beyond the introductory concepts from the first course. This course is designed for students in either the vocational education or college bound curriculum. Such concepts as confidence intervals, hypothesis testing, correlation, and regression will challenge students to become stronger mathematical thinkers.

Prerequisite: “C” or better in Probability and Statistics I



COMPUTER PROGRAMMING a # - Course #7353a - 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 absolute beginners learning at school or at home. The course uses video instruction along with “unplugged” activities to give the student a good foundation for computer programming.

Prerequisite: Open to any student who has passed Algebra I



COMPUTER PROGRAMMING b# - Course #7354b - Hybrid Class

This course continues with the fundamentals learned in Programming I. Also, Students will learn about other computer languages along with applications of programming including Arduino boards.

Prerequisite: Programming a



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 during the course to demonstrate the skills they have developed. Along with the performance tasks, students can take a multiple-choice exam in the spring and earn college credit.

Prerequisite: Computer Programming a / Programming a (recommended but not required) Algebra I

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- Fulfills Math Related

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

Career Pathways



Arts & Communication



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Human Services



Natural Resources



CONSUMER MATHEMATICS * - Course #7050- - 1 Semester - Course Seniors Only

Consumer Math is designed to provide students with a comprehensive study of the mathematics used in consumer decision-making for the present time and in the future. Calculator usage will be taught to enable the student to perform advanced calculations and enhance problem-solving skills. Topics taught include banking skills, purchases, discounts, housing, insurance, investments and taxes. Students who successfully complete the Consumer Mathematics course will be able to solve practical and functional math problems as related to everyday situations. All seniors would benefit by taking this course.



COLLEGE ALGEBRA a & b – Course #7910a/7911b - 1 Year

The course will provide reinforcement of Algebra, Geometry and Algebra 2 topics, while also covering new topics and some that branch into pre-calculus concepts. The class will cover the families of functions, trigonometry, polar coordinates, vectors, and matrices. The course will provide students with challenging work that will improve their college readiness and aid in their preparation for admissions to colleges and universities.

Prerequisite: Algebra I, Algebra II, Geometry



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

The course will provide reinforcement of Algebra and Geometry, while introducing new topics such as probability and statistics, logical reasoning, financial literacy and other math topics. Math Literacy will provide challenging work that will improve critical thinking skills, college readiness and creative problem solving.

Prerequisite: Geometry

The Following Classes DO NOT Fulfill Mathematics Graduation Requirement

WEB DESIGN Ia - Course #7355a - 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 the use of advanced tools such as Dreamweaver. 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: Open to any student who has passed Algebra I

* - 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources



WEB DESIGN IIb - Course #7356b - 1 Semester *Hybrid Class

Students will continue to learn advanced techniques in web design. Students will be introduced to the program DreamWeaver which is a professional program used in the web design industry. Also, students will be introduced to graphics programs to help them create professional looking logos for their web sites. This class is a project based with many hands-on activities.

Prerequisite: Web Design Ia

***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.)**



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)

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

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



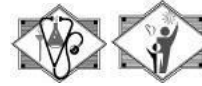
Human Services



Natural Resources

Physical Education

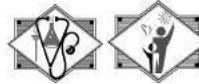
Required Classes



PHYSICAL EDUCATION FUNDAMENTALS * - Course #8035 - 1 Semester

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

Physical Education Electives



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.



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.

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



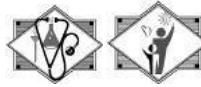
Health Sciences
& Agriscience



Human Services



Natural Resources



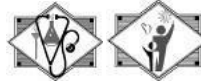
PERSONAL FITNESS * - Course #8131 - 1 Semester

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.



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. Students will be periodically tested on their progress at the various weight stations, running abilities, and improvements in aerobic conditioning

* - 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



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	
12th:	Chemistry or Physics or Semester or Full-Year Electives	Chemistry(may double up)	

Semester Electives

Environmental Science
 Environmental Science Hybrid Forensic
 Science: Basics of EvidenceForensic
 Science: Criminalistics Genetics
 Marine Science

Full -Year Electives

Zoology

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience

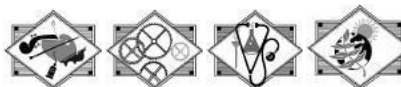


Human Services



Natural Resources

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



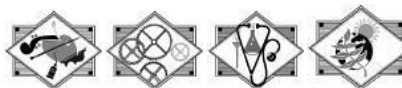
This course provides a fundamental understanding of the essentials of both chemistry and physics, and prepares students for future full-year Chemistry & Physics courses. Topics such as properties of matter, atomic structure, changes in matter, the periodictable, chemical reactions are covered in the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

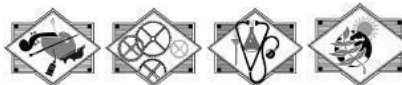
Full-Year Biology Courses



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.

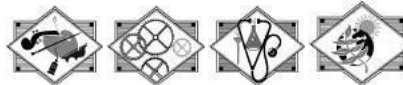
ADV BIOLOGY a & b - Course #9050a/9050b - 1 Year



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.

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 credit.

Prerequisites: Teacher Approval

* - 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



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



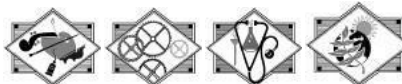
Human Services



Natural Resources

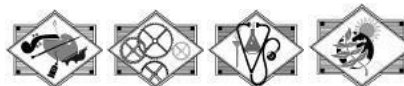
Full-Year Chemistry Courses

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.

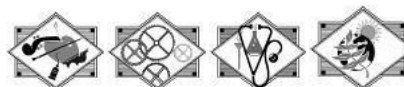
Prerequisite: Algebra I



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

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

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

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



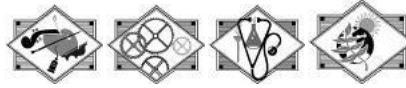
Human Services



Natural Resources

Full-Year Physics Courses

PHYSICS a & b - Course #9220a/30b - 1 Year Meets Math-Related One (1) Credit Graduation Requirement

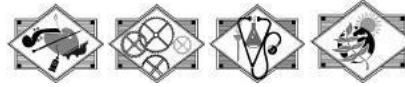


Want to know more about the world around you? How do things work? Why do things happen a certain way? Then Physics is the class for you! Physics is also an essential course for those interested in engineering, and it is also foundational for many science-based careers, including those in the medical 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



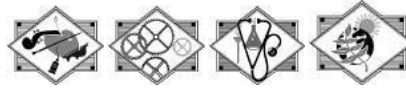
Advanced Physics is an essential course for engineering, but it is also foundational for many science-based careers, including those in the medical field. Advanced Physics is a lab-based general survey course that includes the major topics of motion, forces, momentum, energy, waves, optics, and DC circuits.

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

ADV - Indicates Advanced (Honors)

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

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 animal 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 also serve to familiarize students with educational and occupational opportunities in the field of zoology. Zoology is designed to prepare students for college science courses, especially those pursuing a biology or medical degree or for students simply interested in learning more about the Animal Kingdom.

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Social Studies Department

Course Description

Social Studies 2024-2025 AP Recommendations

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).

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Ninth Grade Required Courses

ECONOMICS * - Course #5041 - 1 Semester



Economics is a semester long course. It is the study of scarcity, how people use resources, and decision-making. Economics involves topics like wealth, finance, recessions, and banking. Students will learn about choices made by individuals, also known as microeconomics. Some topics include personal budgeting, rules of supply and demand, and starting a business. Students will study governments, industries, banking, and the business cycle. These topics are known as macroeconomics. Macroeconomics can help students answer some of the biggest questions about how and why recessions occur, how surges in our gas prices will affect the economy, or why the national debt is so large. Completion of this economics course fulfills the Michigan credit requirement for personal finance, although students may choose to also take the Personal Finance course later in the course of their high school education.

ADV GLOBAL ECONOMICS * - Course #5061a - 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 develop their analytical skills and to deal critically with problems and issues facing the economy. Students are expected to conduct research and work on projects outside of class. A research paper and additional readings outside of the textbook are also required. Students taking this advanced class should have earned a B or higher in their previous social studies class.

Prerequisite: Teacher Approval

CIVIC EDUCATION * - Course #5040 - 1 Semester



Civics is a semester long course where students learn about and analyze: the foundations of the United States government, 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 help students develop their analytical skills and to deal critically with problems and issues facing the government. Students are expected to conduct research and work on projects outside of class. A research paper and additional readings outside of the textbook are also required. Students taking this advanced class should have earned a B or higher in their previous social studies class.

Prerequisite: Teacher Approval

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



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.

Career Pathways



Arts & Communication



Business Management
Marketing & Technology



Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

AP US GOVERNMENT & POLITICS*-Course # AP5040 – 1 Semester, Grades 10-12



The course is designed to give students a critical perspective on politics and government. This course involves both the study of general concepts used to interpret United States politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political structure. This course includes preparation for the Advanced Placement examination, for college credit, as one of its objectives. It also fulfills the Civics requirement for graduation. Students who took Civics may take AP US Government as an elective. AP Government and Politics is designed to be the equivalent to an introductory college or university survey of American Government. There are no prerequisites, but students should be able to read college-level textbooks and have strong writing skills. The course is offered to sophomores with an A or B in their previous social studies class and all juniors and seniors.

SEMESTER ELECTIVES



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.

Career Pathways



Arts & Communication



Business Management
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Health Sciences
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Human Services



Natural Resources

Upper Level Courses

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, 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.



Arts & Communication



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Engineering/Manufacturing &
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Health Sciences
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Human Services



Natural Resources

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

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 World History: 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 will be required to participate in class discussion and conduct research outside of class.



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The hybrid class covers the same material as the regular World Affairs class, but all work is completed and submitted electronically on Schoology. 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 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.

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, 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.

Career Pathways



Arts & Communication



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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.

SURVIVING LIFE AFTER HIGH SCHOOL HYBRID *- SURL100 - 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.

Career Pathways



Arts & Communication



Business Management
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Engineering/Manufacturing &
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Health Sciences
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Human Services



Natural Resources

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.

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. 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

Career Pathways



Arts & Communication



Business Management
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Engineering/Manufacturing &
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Health Sciences
& Agriscience



Human Services



Natural Resources

Spanish



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

Objectives: The objective of Spanish 1 is to give students the basic skills they need to begin communicating in Spanish. Our communication focuses on speaking, reading, writing, and listening in Spanish, as well as growing cultural competence to enable students to both develop a better global understanding and also communicate in a variety of situations. Language and culture are taught simultaneously to help students develop an understanding of Spanish speaking countries around the world. Students will gain a basic working knowledge of phonetics, vocabulary, and grammar so that they can communicate in a variety of situations in the target language.

Prerequisite: None



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

Objectives: The objective of Spanish 2 is to continue to grow students' communication proficiency in Spanish as well as continue to develop their knowledge and understanding of global culture. Students will review and complete the present tense, and then begin to learn how to communicate in the Spanish past tense.

Prerequisite: Successful completion of Spanish 1a & 1b



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

Objectives: To continue to expand and refine the student's capability with the written and spoken word and to study in greater depth the history and literature of Spanish speaking peoples.

Implementation: The same as Spanish I and II. 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 Spanish II with a "C" average or better

* - 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



Arts & Communication



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Health Sciences
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Human Services



Natural Resources



ADV SPANISH IV - 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



ADV SPANISH V - Course #6170a/71b – 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, III and IV. 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 IV with a “C” average or better

Career Pathways



Arts & Communication



Business Management
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Engineering/Manufacturing &
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Health Sciences
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Human Services



Natural Resources

2025-2026 SMTEC Course Quick Guide

Arts & Communication

Graphic Communications I & II (CLHS) - VPAA or Math Related, 1 credit, full year.

Certification: Photoshop

The main areas of focus are prepress functions or graphic design, lithography, and screen-printing. Students will learn the theory behind all the different printing processes, as well as experiencing hands on projects applying the theories.

Digital Media Production I & II (WWT, FHS) III, IV(WWT) – VPAA 1 credit, full year

Certification- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro

Prepares the student for employment or entry into a postsecondary education program in the Broadcast/Video Production career field. Topics covered may include but are not limited to: history of mass media, terminology, safety, basic equipment, script writing, and production teams.

Business, Management, Marketing & Technology

Accounting I (CLHS, WWT) & II (WWT) – VPAA or Math Related, 1 credit, full year, grades 10-12

Certification: Microsoft Certification-Excel

These courses help the student develop a means of keeping and interpreting financial records of a business. Students will explore accounting for property, inventory, accounts receivable, notes receivable and notes payable.

Business Management (CLHS) – VPAA or Math Related, 1 credit, full year course, grades 10-12

Certification: Microsoft Certification- Power Point

This class prepares students to plan, manage, supervise, and market business operations, products and services.

Related, 1 credit, full year.

for Business Professional Communication

You will learn what it takes to get the product from the manufacturer to the person who buys the product, how to sell, human resource essentials such as communication skills and how to get along on the job with other workers.

Sports Entertainment Marketing (FHS)- VPAA, 1 credit full year.

Certification: Microsoft Certification-Power Point

You will learn Selling, Promotion, Distribution, and Pricing. Management areas will include Marketing Information, Product and Service and Entrepreneurship and Finance, specifically as it relates to the Sports and Entertainment fields.

Manufacturing & Industrial Technology

Automotive Technology I, II, III, IV (FHS, LHS) - VPAA or Math Related, 1, 2 credit, full year.

The course will include instruction on the use of hand tools, fasteners, hoists, jacks, wiring, safety, and shop orientation. Basic automotive service skills including tire service, preventative maintenance, basic electricity, and cooling system service will be

CAD/Drafting I & II (LHS) - VPAA or Math Related, 1 credit, full year.

Certification: TBD

This course is designed to introduce students to NX software by Siemens and expand the student's understanding of 3D modeling and assembly.

Manufacturing Technology I & II (LHS) - VPAA or Math Related, 1 credit, full year.

Certification: TBD

Students will receive training in all aspects of Manufacturing, metal machine operations and welding.

Welding (CLHS) - VPAA, Grade 11-12, VPAA or Math Related, 1 credit, full year.

Certification: AWS Sense Certification

This course is designed to be a readiness training program to provide students with the opportunity to acquire the necessary skills and knowledge to apply for an apprenticeship program upon graduation. The program will include the foundational skills for professional trades as well as hands on experience and site visits to local apprenticeship schools.

Career Pathways



Arts & Communication



Business Management
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Health Sciences
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Human Services



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Health Sciences

Dental Assistant I, II (LHS) - VPAA, 1 credit, full year

Certification National Entry Level Dental Assistant (NELDA)

The Dental Assistant program prepares students to provide patient care, processing and mounting dental radiographs (x-rays), prepares patients and equipment for dental procedures, and discharges office administrative functions under the supervision of a dentist.

Emergency Medical Technician (CLHS) - VPAA or Math Related, 1 credit, full year

Certifications: Eligible student may take the State of Michigan, EMT licensing exam

Students enrolled in this program will receive instruction in the fields of pre-hospital and emergency medical training. This program is the study of the human body and the treatment required outside the hospital setting.

Medical Careers & Systems-Anatomy & Physiology (WWT) - VPAA, or Science, 1 credit, full year

The focus of this course is on human Anatomy and Physiology, with an emphasis in health career applications.

Medical Careers & Systems- (FHS) VPAA, Math or Science, 1 credit, full year

The program will provide a visual and hands on experience to explore healthcare careers in all five different pathways.

Medical Careers & Systems Exploration into Health (CLHS) – VPAA 1 credit, full year course

Certification: EMR Licensing Exam

During the EMR semester of this course, focus is placed on pre-hospital emergency medicine. Classroom study has both the traditional didactic style lecture with hands on practical learning. This course prepares the student to support physicians by aiding in an office or clinical setting. Medical clinical and office procedures are taught.

Medical Careers & Systems-Medical Terminology, 1 credit, full year.

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.

Nursing (WWT) - VPAA or Math Related or Science, 1 credit, full year.

The Nursing Assistant course is a comprehensive study of the health care delivery system. This program includes all aspects of patient care from newborn to geriatrics.

Nursing- Certified (WWT) - VPAA or Math Related or Science, 1 credit, full year.

The Nursing Assistant Course is a comprehensive study of the health care delivery system.

Completion of this course is geared toward a student becoming a Certified Pharmacy Technician (CPhT). A pharmacy technician is a person who works under the direct supervision of a licensed pharmacist and performs many pharmacy-related functions.

Human Services

Cosmetology I & II (WWT) - VPAA, 4 credits, 2 yr. commitment

Certification: State of Michigan Cosmetology Exam

Cosmetology is a State certified program that covers 2 years of comprehensive and involved instruction.

Educational Careers Program (CLHS) – VPAA, 2 credits, full year

Certification: MI-YDA Certification 240 hours of Clinicals

In this course, students will receive comprehensive classroom training and additional hands-on training in the district's elementary or middle school classrooms. These students will work with an assigned "Mentor Teacher," participating in the different aspects of teaching.

Career Pathways



Arts & Communication



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Human Services



Natural Resources

Firefighting (CLHS) - VPAA, 2 credits, full year

This course introduces students to a broad range of careers in firefighting. Students that are admitted to this course will have extensive classroom and practical experience in such areas as Fire Behavior, Self-Contained Breathing Apparatus, Portable Extinguisher, and much more.

Law Enforcement (CLHS) - VPAA, 1 credit, full year.

Certification: (LAPSEN) National Law Enforcement Certification

This course introduces students to the broad range of careers in police work and law enforcement. A wide range of procedures associated with law enforcement and public safety will be reviewed.

Foods & Hospitality, Personal & Culinary Services I, II, & III (LHS, WWT) & IV (WWT) - VPAA or Math Related, 1 credit, full year.

Certification: Rouxbe and ServSafe

You will learn the management/culinary skills needed for a career in the restaurant and food service industry.

Government & Public Administration

JROTC I, II, III, IV- 1 credit, full year.

VPAA, PE credit after 2nd year (CLHS only)

***Qualified students may earn scholarships for entry into college ROTC programs or increased rank upon completion of military basic training.**

Certification: ASVAB

The JROTC program prepares high school cadets for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens.

Career Pathways



Arts & Communication



Business Management
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Engineering/Manufacturing &
Industrial Technology



Health Sciences
& Agriscience



Human Services



Natural Resources

Spanish



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

Objectives: The objective of Spanish 1 is to give students the basic skills they need to begin communicating in Spanish. Our communication focuses on speaking, reading, writing, and listening in Spanish, as well as growing cultural competence to enable students to both develop a better global understanding and also communicate in a variety of situations. Language and culture are taught simultaneously to help students develop an understanding of Spanish speaking countries around the world. Students will gain a basic working knowledge of phonetics, vocabulary, and grammar so that they can communicate in a variety of situations in the target language.

Prerequisite: None



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

Objectives: The objective of Spanish 2 is to continue to grow students' communication proficiency in Spanish as well as continue to develop their knowledge and understanding of global culture. Students will review and complete the present tense, and then begin to learn how to communicate in the Spanish past tense.

Prerequisite: Successful completion of Spanish 1a & 1b



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

Objectives: To continue to expand and refine the student's capability with the written and spoken word and to study in greater depth the history and literature of Spanish speaking peoples.

Implementation: The same as Spanish I and II. 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 Spanish II with a "C" average or better

* - 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

Pathways



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