



MELROSE-MINDORO HIGH SCHOOL COURSE GUIDEBOOK

Dear Students and Parents/Guardians,

We are excited to share all of the course opportunities available at Melrose-Mindoro High School. We are committed to providing our students with high quality classes that help prepare them for the variety of careers our students will go on to pursue. With a wide range of Career and Technical Education course offerings, college preparatory courses, and opportunities to earn college credits while in high school, we are confident Melrose-Mindoro High School will prepare students for success!

Please use the following suggestions to make the best choices for your educational experience here at Melrose-Mindoro High School:

- Before selecting your courses, be sure you know graduation requirements. Pay attention to the specific required courses and the number of credits required in each subject area.
- Review your transcripts, do not select course requirements that you have already completed.
- Ask teachers or school counselors questions regarding your credits and available courses.
- Select your courses thoughtfully. Your selections will be used to determine next year's staffing levels and courses.

To minimize schedule changes in the fall:

- Review prerequisite courses and requirements.
- Discuss your course selections with your parents/guardians now.
- Select courses aimed at your future, not because your friends are selecting those courses.
- Select courses related to classes that you might consider taking at a later date

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GRADUATION REQUIREMENTS

The Melrose-Mindoro School District has established standard credit requirements for high school graduation. To graduate from Melrose-Mindoro High School, a student must complete a minimum of 25 credits including the following courses and sequencing:

Department	Credit Total
English	4 credits
English 9	1 credit
English 10	1 credit
English 11	1 credit
English elective(s)	1 credit
Math	3 credits
Algebra or Geometry	1 credit
Math elective	1 credit
Math elective	1 credit
Science	3 credits
Physical Science	1 credit
Biology	1 credit
Science elective	1 credit
Social Studies	3 credits
Social Studies 9	1 credit
American History OR AP United States History	1 credit
Civics OR AP American Government	1 credit
Physical Education	1.5 credits
Health Education	0.5 credits
Wellness Management	0.5 credits
Personal Finance	0.5 credits
Elective Credits	9.5 credits
Total Credits	25 credits

*Adjustments and substitutions may be made for students transferring into the high school with comparable courses already completed or for students participating in alternative or specially designed high school programming.

School District of Melrose-Mindoro Classroom Instructional Materials Selection Policy

The Board is legally responsible for all matters relating to the operation of the School District. The responsibility for the selection of instructional materials; however, is delegated to the professionally trained certified personnel of the district.

Selection of materials may involve instructional media specialists, principals, teachers, school counselors, students, administrators, and community persons. Specific selection procedures shall be developed for use in the district.

School District of Melrose-Mindoro Non-Discrimination Policy

The School District shall not discriminate in the selection and evaluation of instructional and library materials on the basis of sex, religion, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability.

The Melrose-Mindoro School District does not discriminate against pupils on the basis of sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its education programs or activities. Title VI, Title IX and Section 504 are federal laws prohibiting discrimination in both education and employment on the bases of age, race, color, national origin, sex, religion, or handicap. The district encourages informal resolution of complaints under this policy. However, a formal complaint resolution procedure is available in the high school office.

Course List

Course Name	Credit	Grade	Prerequisite(s)
Agriscience			
*Advanced Welding	0.5	11, 12	Foundations of Ag Mechanics or Instructor Approval
Foundations of Agriculture	0.5	9, 10, 11	
Foundations of Agriculture Mechanics	0.5	9, 10, 11	
Landscape Design	0.5	10, 11, 12	
Large Animal Science	0.5	10, 11, 12	
Plant Science	0.5	10, 11, 12	
Small Animal Science	0.5	10, 11, 12	
Small Engines	0.5	10, 11, 12	
Art			
Air Brush	0.5	9, 10, 11, 12	
Ceramic Pottery	0.5	9, 10, 11, 12	
Drawing	0.5	9, 10, 11, 12	
Fundamental Crafts & Art	0.5	9, 10, 11, 12	
Painting	0.5	9, 10, 11, 12	
Sculpture	0.5	9, 10, 11, 12	
Silk-Screen Printing	0.5	9, 10, 11, 12	
Business and Marketing			
Accounting I	0.5	9, 10, 11, 12	
*Accounting II	0.5	9, 10, 11, 12	Accounting I
*Business Principles	0.5	9, 10, 11, 12	
*Marketing	0.5	9, 10, 11, 12	
*Personal Finance	0.5	10, 11, 12	
Retail Merchandising	0.5	10, 11, 12	Marketing or Business Principles
Sports and Entertainment Marketing	0.5	9, 10, 11, 12	Marketing
Yearbook Design and Desktop Publishing	1	10, 11, 12	
Computer Education			
Computer Applications I	0.5	9, 10, 11, 12	
Computer Applications II	0.5	9, 10, 11, 12	Computer Applications I
Computer Programming	0.5	9, 10, 11, 12	
English			
College Prep Literature	0.5	12	
College Prep Writing	0.5	12	
Drama Literature	0.5	12	
English 9	1	9	
English 10	1	10	
English 11	1	11	

Journalism	0.5	10, 11, 12	
Speech	0.5	11, 12	
Family and Consumer Science and Health			
Career Planning	0.5	11, 12	
*Child Development	1	10, 11, 12	
Ethnic Foods	0.5	10, 11, 12	Foods I
Fashion and Design	0.5	9, 10, 11, 12	
Foods I	0.5	9, 10	
Food Service	0.5	10, 11, 12	Foods I
*Personal Finance	0.5	10, 11, 12	
Wellness Management	0.5	10	
Mathematics			
Advanced Algebra	1	10, 11, 12	Algebra & Geometry
Algebra & Math Fundamentals	1	9, 10	
AP Statistics	1	11, 12	Advanced Algebra
Calculus	1	11, 12	Pre-Calculus/Trigonometry
Geometry	1	9, 10, 11, 12	Algebra
Integrated Mathematics	1	10, 11, 12	
Pre-Calculus/Trigonometry	1	11, 12	Advanced Algebra
Music			
Band	1	9, 10, 11, 12	
Choir	1	9, 10, 11, 12	2
Physical Education			
Physical Education 9	0.5	9	
Physical Education 10	0.5	10	
Physical Education 11/12	0.5	11, 12	
Science			
Advanced Biology: Anatomy & Physiology	0.5	10, 11, 12	Biology
Advanced Biology: Genetics/Microbiology	0.5	10, 11, 12	Biology
Biology	1	10, 11, 12	
Chemistry	1	11, 12	Physical Science
Ecology	1	11, 12	
Physical Science	1	9, 10, 11, 12	
Physics	1	11, 12	Physical Science
Social Studies			
American History	1	10	
AP American Government	1	11	
AP Psychology	1	11, 12	Social Studies 9, American History, Biology
AP United States History	1	10	
Civics	1	11	

Economics	0.5	11, 12	
Social Studies 9	1	9	
World History	0.5	9, 10, 11, 12	
Technology and Engineering			
*CADD 1- Sketching and AutoCAD	0.5	10, 11, 12	
*CADD 2- 3D Parametric Modeling	0.5	10, 11, 12	
*Carpentry 1	0.5	11, 12	Wood Tech I or Foundations of Tech I and II or instructor approval
Carpentry 2	0.5	11, 12	Carpentry I
Electronics and Robotics	0.5	11, 12	
Foundations of Technology Education I	0.5	9, 10	
Foundations of Technology Education II	0.5	9, 10	
Introduction to Engineering Design	0.5	11, 12	CADD 1 and CADD 2
*Wood Tech I	0.5	10, 11, 12	
Wood Tech II	0.5	10, 11, 12	Wood Tech I
World Language			
Spanish I	1	9, 10, 11, 12	
Spanish II	1	9, 10, 11, 12	Spanish I
Spanish III	1	10, 11, 12	Spanish II
Spanish IV	1	11, 12	Spanish III
Miscellaneous			
Teacher Assistant	0	12	

* Transcribed with Western Technical College

AGRISCIENCE DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Agriculture			
*Advanced Welding	0.5	11, 12	Foundations of Ag Mechanics or Instructor Approval
Foundations of Agriculture	0.5	9, 10, 11	
Foundations of Agriculture Mechanics	0.5	9, 10, 11	
Landscape Design	0.5	10, 11, 12	
Large Animal Science	0.5	10, 11, 12	
Plant Science	0.5	10, 11, 12	
Small Animal Science	0.5	10, 11, 12	
Small Engines	0.5	10, 11, 12	

Agriculture Education involves the areas of production agriculture, agribusiness, mechanics & engineering, animal science, plant science, forestry, wildlife, landscape & design and welding. Agriculture classes focus on applying what you learn and how to apply the knowledge to real life events. There are many excellent and exciting careers in the broad field of Agriculture; many of the professional and skilled labor jobs go unfilled due to a lack of qualified people. The Agricultural Department's focus is to help prepare students for a career they are excited about as well as life beyond high school.

With the help of the three circle model (Classroom instruction, FFA, and Supervised Agricultural Experience (SAE)), students will be able to learn practical and useful skills of the agricultural sciences, and be able to participate in the many wide variety of activities that the National FFA Program has to offer. FFA is an Intracurricular organization, meaning FFA is involved in curriculum and day to day lessons. With FFA and classroom instruction, students will be able to develop qualities that employers are looking for: leadership, creativity, work experience, the ability to articulate ideas, plan successfully, adapt to new and unique situations and have the confidence to do it.

“Learning to do, doing to learn, earning to live, living to serve”-- FFA Motto

Advanced Welding

Length: Semester (spring) Credit: .5

Offered to: Juniors and Seniors

Prerequisite: Foundations of Ag Mechanics or instructor's approval

***Transcripted with Western Technical College**

Advanced Welding is designed to further develop welding and metal related skills, building off our current beginning welding unit in Foundations of Ag Mechanics class. This is both a high skill and high demand career area. Welding is one of the fastest-growing occupations today. It has developed rapidly to meet the needs of new manufacturing processes. Welding, as well as many of the skilled trades, is presently in extremely high demand in both Wisconsin and the United States. There is currently a huge shortage nationwide in the skilled trade occupations. Employment opportunities exist in factory production and in heavy construction in almost every

industry in which metal is used. With the majority of the professionals in the skilled trades due to retire in the next few years, qualified welders are in demand!

There will be several individual skill tests using both basic and advanced techniques.

This class will be taught by a certified welder; therefore students will learn what skills are required to become certified and marketable in this high demand career. Students will work with Mig, Tig, Stick, Gas as well as Plasma cutting Table.

Foundations of Agriculture

Length: Semester Credit: .5

Offered to: First year Agriculture Students Freshmen through Juniors

Foundations of Agriculture is an entry level class intended for freshman students that want to learn more about a large variety of agricultural subjects and career opportunities. Units include: FFA, leadership & community service, small animals, large animals, and plant science. This course is strongly recommended for freshmen, and it is recommended to take this class before any of the other agriculture classes.

Foundations of Agriculture Mechanics

Length: Semester Credit: .5

Offered to: First year Agriculture Students Freshmen through Juniors

Foundations of Agricultural Mechanics is an entry level course intended for first year agriculture students. Throughout the semester students will learn about: FFA and mechanical opportunities, welding (Mig, Tig, Stick, Gas), tool safety, tool identification, as well as small scale fabrication. Depending on time other units may be added. This course is required to be completed before taking Advanced Welding.

Landscape Design

Length: Semester (spring) Credit: .5

Offered to: Sophomores through Seniors

This course is designed for students interested in the design, management, care of landscaping and its related fields. Career opportunities in this field are wide open and growing fast. Topics include landscape design, careers, plant material selection, construction materials, planting and pruning techniques, floriculture, and how to properly install and maintain a landscape as well as FFA floriculture events. There will be many "hands-on" activities inside and out. Guest speakers and a field trip may be included.

Large Animal Science

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

This course focuses on the care and management of large animals, animal nutrition, health, behavior, reproduction, animal husbandry, anatomy & physiology, handling & training, grooming, careers, leadership and history of the large animal industry. This course is designed for students who are interested in large animals, large animal vet, farming, showing large animals and large animal vet technician. Large animals will be handled during this course; a permission slip will be required to be signed by students and parents/legal guardians to handle large animals.

****Course topics may include product processing and marketing if time allows.****

Plant Science

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

The Plant Science course provides knowledge about the propagation of plants for food and fiber, soil science, irrigation, weed control, growing mediums, plant parts, plant/crop identification, plant/crop care, as well as preparing students with the knowledge and skills needed to produce various crops/plants. Students will be in charge of helping with the outside school gardens, the tower garden and the hydroponic systems. Students will be actively handling seeds, soil, water, and other equipment necessary for plant propagation, production and harvesting. FFA will be included in this class.

Small Animal Science

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

Small Animal Science focuses on the care and management of small animals, animal nutrition, health, behavior, reproduction and animal husbandry, anatomy and physiology, use of analyses for decision-making, facilities for small animals, handling and grooming. This course is designed for students who are interested in small animal science/care, veterinary science and becoming a veterinary technician. Live animal handling will occur during this class, a permission slip will be required to be signed by student and parent/legal guardian to handle animals. FFA will also be utilized during this course.

Small Engines

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

Briggs & Stratton Master Service Technician Certification

Students study the theory and operation of two and four-cycle engines, small engine maintenance and repair of various other types of engines will fill up the balance of the semester. Small Engines is offered in the first semester every year. First quarter is based on theory as well as how small engines operate. Textbooks will be used in the first quarter. Second quarter is putting the knowledge students learned to the test! Students will take apart, identify parts and their use as well as rebuild a Honda Engine provided by the school. Students will earn the Master Service Technician certificate through Briggs and Stratton Online curriculum.

ART DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Art			
Air Brush	0.5	9, 10, 11, 12	
Ceramic Pottery	0.5	9, 10, 11, 12	
Drawing	0.5	9, 10, 11, 12	
Fundamental Crafts & Art	0.5	9, 10, 11, 12	
Painting	0.5	9, 10, 11, 12	
Sculpture	0.5	9, 10, 11, 12	
Silk-Screen Printing	0.5	9, 10, 11, 12	

Air Brush

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

In this class students will engage in a variety of airbrushing techniques. Color theory and principles of design will be used and reintroduced in studio assignments. Students will work on projects individually. This class will use and expand upon previous knowledge. Students will use the following art skills:

1) drawing skills 2) fundamental knowledge of color theory 3) knowledge of basic geometric shapes. Additional skills incorporated in this class will include drawing skills and principles of design. Students will develop an understanding of the use of airbrushes, as well as incorporate their creative skills through various airbrushing studio studies. Please note (subject material) images to work from are the responsibility of the student. The student will need to put together a collection of images that interest them.

Ceramic Pottery

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

In this class students will engage in a variety of hand built pottery techniques. Students will work on projects individually. This class will use and expand on previous knowledge. Students will be expected to use these core art skills: 1) drawing skills 2) fundamental knowledge of coil and slab pottery construction techniques. This class will incorporate principles of design and develop your abilities to incorporate your creative skills through a variety of hand built pottery studies.

Drawing

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

In this class students will engage in a variety of drawing techniques. Color theory and principles of design will be used and reintroduced in studio assignments. Students will work on projects individually. This class will use and expand upon previous knowledge. Students will develop: 1) drawing skills 2) skills representing values and light sources. Fundamental knowledge of portrait, figure, still life and wildlife studies will be addressed. This class will incorporate principles of design and develop your abilities, as well as incorporate your creative skills through various two dimensional studio studies.

Fundamental Crafts & Art

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

In this class students will engage in a variety of hands-on creative projects. Students will work on projects individually and in small groups. This alternative class will develop basic creative skills. In this class a student will explore the following fundamental art skills: 1) drawing skills 2) fundamental knowledge of coil and slab pottery construction techniques and issues of color theory. This class will incorporate drawing skills, principles of design and develop your abilities, as well as incorporate your creative skills through a variety of hands-on projects.

Painting

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

In this class students will engage in a variety of drawing techniques. Still life, portrait and wildlife will be the main subject areas. This class will use and expand upon previous knowledge. Color theory and principles of design will be used and reintroduced through studio assignments. This class will incorporate principles of design and develop your abilities. You will incorporate your creative skills through various two dimensional studio studies. Students will work on projects individually. Drawing skills are required. Content covered in this class includes accurate-realistic studies, stylized image, pointillism and close-ups.

Sculpture

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

In this class students will engage in various sculpture techniques: hand building clay sculpture, constructive and subtractive sculpting techniques. Understanding of the types of balance, shape and form will be explored. Students will work on projects individually and in small groups. This class will use and expand upon previous knowledge and incorporate drawing and painting skills.

Silk Screen-Printing

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

In this class students will engage in various screen print techniques. Students will work on projects individually and in small groups. This class will use and expand upon previous knowledge. To enter this class a student is expected to have these core art skills: 1) drawing skills 2) knowledge of color theory. This class will incorporate drawing skills, color theory, principles of design and develop your abilities as well as incorporate your creative skills through various printing processes.

BUSINESS AND MARKETING DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Business and Marketing			
Accounting I	0.5	9, 10, 11, 12	
*Accounting II	0.5	9, 10, 11, 12	Accounting I
*Business Principles	0.5	9, 10, 11, 12	
*Marketing	0.5	9, 10, 11, 12	
*Personal Finance	0.5	10, 11, 12	
Retail Merchandising	0.5	10, 11, 12	Marketing or Business Principles
Sports and Entertainment Marketing	0.5	9, 10, 11, 12	Marketing
Yearbook Design and Desktop Publishing	1	10, 11, 12	

Accounting I

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

Did you know that most business majors and minors require an introductory accounting course? Prepare now and get a head start on your post-secondary education. The field of accounting offers challenging tasks, advancement potential, skill building, and the chance to play a vital role in evaluating business deals, growth, and investment strategies. This course introduces you to one of the most highly paid, in demand professions. Throughout this course you will learn the accounting cycle for service businesses and explore careers in accounting.

Accounting II

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

Prerequisite: Accounting I

***Transcripted with Western Technical College**

Accounting is a high demand and high paying career that is a necessary business function for all areas of business. This course builds upon the accounting principles learned in Accounting I. Throughout this course you will learn how to complete accounting functions for merchandising businesses and analyze the managerial application of accounting.

Business Principles

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

***Transcripted with Western Technical College**

A career in business can be as diverse as marketing, entrepreneurship, accounting, communication, and management, and this course lays the groundwork for exploration into these disciplines. In this course, you will learn the economic foundations of business, small business ownership, business management, and business career exploration. These skills will be put into practice as you create a business plan for a business of your choice.

Marketing**Length: Semester Credit: .5****Offered to: Freshmen through Seniors*****Transcripted with Western Technical College**

Are you interested in a career in business that allows you to work with people and use your creativity? This course is designed to give students hands-on marketing experience by introducing them to marketing concepts and functions. Major concepts covered include the marketing mix, customer segmentation, advertising and promotion, and personal selling. You will apply your learning to the operations of the school store.

Personal Finance**Length: Semester Credit: .5****Offered to: Sophomores through Seniors****Required for graduation*****Transcripted with Western Technical College**

This hands-on class takes you through some of the most important financial situations that you will be forced to deal with in the near future including banking, credit, saving, budgeting and the importance of credit scores. It will include insurance of vehicle purchasing, rental leases and credit cards. This class will help you get started in your financial life and hopefully help prevent common financial mistakes. Practical tips on saving and stretching your income to meet expenses will be stressed.

Retail Merchandising**Length: Semester Credit : .5****Offered to: Sophomores through Seniors****Prerequisite: Marketing or Business Principles**

Students will learn the ins and outs of retail business operations by managing the business activities of the Mustang Corral School Store. Student responsibilities would include managing employees, researching and ordering merchandise, tracking inventory, and overseeing general store upkeep. This is a lab class that allows students to apply concepts learned in prior business classes.

Sports and Entertainment Marketing**Length: Semester Credit : .5****Offered to: Freshmen through Seniors****Prerequisite: Marketing****Alternate years with Accounting II**

This course introduces students to the world of sports and entertainment marketing. This course explores marketing concepts including sponsorship, licensing, and more through the sports and entertainment industry. Students will complete projects related to the sports and entertainment field and explore the career field.

Yearbook Design and Desktop Publishing**Length: Year Credit : 1****Offered to: Sophomores through Seniors**

See your work in print and document the story of the year by showcasing your classmates in the Yearbook. In this project-based class, you will work collaboratively by using technology including digital cameras, photo editing software, and online design software to digitally produce a yearbook. You will use writing skills and communication skills to creatively document the story of the school and your peers. You will also be able to use your design skills in various projects for the school and community.

COMPUTER DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Computer Education			
Computer Applications I	0.5	9, 10, 11, 12	
Computer Applications II	0.5	9, 10, 11, 12	Computer Applications I
Computer Programming	0.5	9, 10, 11, 12	

Computer Applications I

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

Students will get first hand experience with computer peripherals like scanners, digital cameras, printers, etc. Students will complete a variety of photo editing and sound editing tasks. This class will encourage individual creativity but practical real world tasks will also be covered.

Computer Applications II

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

Prerequisite: Computer Applications I

Students will complete web design and video editing projects. This class will prepare students for more advanced web based designs and applications. This class will encourage individual creativity but practical real world tasks will also be covered. Careers in computer science will be explored. Strongly recommended for those students pursuing design and computer and technology fields.

Offered alternate years (offered 2022-2023)

Computer Programming

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

Prerequisite: Algebra and Math Fundamentals

Students will investigate the fundamentals of computer programming. Students will design and execute programs in BASIC using a structured, modular programming hierarchy. Students will write interactive programs as well as graphics programs.

Offered alternate years (offered 2023-2024)

ENGLISH DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
English			
College Prep Literature	0.5	12	
College Prep Writing	0.5	12	
Drama Literature	0.5	12	
English 9	1	9	
English 10	1	10	
English 11	1	11	
Journalism	0.5	10, 11, 12	
Speech	0.5	11, 12	

College Prep Literature

Length: Semester **Credit: .5**

Offered to: Seniors

First Quarter - Students spend the semester examining and discussing English Literature from 440 A.D. to 1662 A.D. Major works will include Chaucer's Canterbury Tales and Shakespeare's Macbeth. Historical as well as literary background will be provided. Second Quarter - Students will continue examining English Literature from 1622 to 1914 A.D. Primary emphasis will be placed on poetry through the ages and the historical events that shaped it. Students will give oral reports as well as written responses.

College Prep Writing

Length: Semester **Credit: .5**

Offered to: Seniors

Third Quarter - Students will briefly review sentence structure and mechanics in writing. They will then examine the format for writing formal college research papers. The quarter will include two research papers and tests on introductory paragraphs, thesis statements and body paragraphs. Emphasis is placed on proper format and support statements. Readings will include *Stories of Rwanda* as well as various essays and novel excerpts. In each of the readings, students will recognize the author's use of the three rhetorical proofs; pathos, ethos, and logos. Fourth Quarter - Students will be involved with critical analysis and the unique format used to explain an opinion. The class will critique parts of a Shakespeare play, music lyrics and poetry.

Drama Literature

Length: Semester **Credit: .5**

Offered to: Seniors

Students will read and study drama chosen from historical and modern times with an emphasis on the development of drama. Students will write in response to the plays using research skills and proper essay techniques learned in previous English courses. In addition, students will compose and perform dramatic material in the classroom. This course will develop a basic understanding of human nature and culture. Oral reading and role-playing will be required.

English 9

Length: Year Credit: 1

Offered to: Freshmen

First Semester - Students begin the semester reviewing the reading strategies that will enable them to interpret the theme and decode the organization of short stories and essays. Later in the quarter students will apply these strategies to non-fiction material. The primary writing component will include informative research writing as well as description.

Second Semester – Students will examine a variety of literature including novels *Of Mice and Men* and *Romeo and Juliet*. The writing component for the semester will revolve around literary response writing, and analysis of theme and author's craft as required by Common Core Standards.

English 10

Length: Year Credit: 1

Offered to: Sophomores

English 10 is a general survey course required of all sophomores. It is designed to cover writing skills, analysis of literature, and speaking. Literature units covered will include poetry, A Raisin in the Sun, To Kill a Mockingbird, and Night. Each literature unit will incorporate analysis, critical thinking, writing, and role-playing to determine the author's purpose and message. Students will incorporate reading and writing skills through an essay answer unit. The essay answer structure will be presented, polished, and used as an evaluation tool for literature units. The year's final writing assignment will be the preparation and delivery of an informative speech.

English 11

Length: Year Credit: 1

Offered to: Juniors

English 11 will focus on strengthening skills in the areas of reading, writing, speaking, listening, and research competency. Research and argumentation will be emphasized including the proper use of the MLA format. A sampling of influential American literature will be covered, highlighting novels, dramas, poetry, short stories along with corresponding contemporary issues. Students will work on improving the structure of sentences and essays through the review of grammar, usage and mechanics. ACT English test preparation will also be included.

Journalism

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

This course will allow the student to critically evaluate the newspaper's makeup and then apply the knowledge by carrying out all of the necessary roles in developing a newspaper.

First Quarter - Students will study and emulate the newspaper writing format as identified in various news articles. Students will also examine journalistic ethics and legal issues. Second Quarter - The students will compose their own newsletter. Given a specific deadline, students will be responsible for every aspect of news writing, ranging from reporting assignments to editing written copy.

Speech

Length: Semester Credit: .5

Offered to: Juniors and Seniors

This course is an extension of the fundamentals learned in the English 10 speech unit. Informative, persuasive, and/or special occasion speeches will be given to improve writing and delivering skills. A unit on non-verbal communication will include pantomiming and lip syncing. Group discussion roles and techniques will be studied and applied in a “group presentation.”

FAMILY AND CONSUMER SCIENCE AND HEALTH EDUCATION DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Family and Consumer Science and Health			
Career Planning	0.5	11, 12	
*Child Development	1	10, 11, 12	
Ethnic Foods	0.5	10, 11, 12	Foods I
Fashion and Design	0.5	9, 10, 11, 12	
Foods I	0.5	9, 10	
Food Service	0.5	10, 11, 12	Foods I
*Personal Finance	0.5	10, 11, 12	
Wellness Management	0.5	10	

The courses in this department involve the study of the work of the family, including decision-making and problem solving skills as they relate to one's responsibility for a family and employment.

Career Planning

Length: Semester Credit: .5

Offered to: Juniors and Seniors

Career Planning is, as its title implies, a course that helps students plan their career. The course is designed for students who are seeking employment following graduation, entering the military, or attending college. With the skills learned, students will be able to better evaluate career choices based on their abilities and aptitudes and to better their chances in attaining jobs with improved letter and resume writing and interviewing skills. The course is divided into two phases: making career choices and learning the skills necessary to attain that career. In the first phase, students can expect to determine personal interests, abilities, and work values and apply them to a career selection. They will investigate requirements, conditions, and outlook for specific occupations. The second phase will aid students in honing the skills necessary to attain a job. Students can expect to write letters of inquiry and application. Topics covered will include social security, employment eligibility, resumes and withholding forms for income taxes. In addition, students will learn and apply interview skills in mock job interviews. Finally, students can expect to analyze their paycheck, differentiate between unions and professional organizations, and compare earnings, fringe benefits, and hours of jobs in the local geographic area. A wide variety of speakers will also come to share their career choice.

Offered alternate years (offered 2022-2023).

Child Development

Length: Year Credit: 1

Offered to: Sophomores through Seniors

***Transcripted with Western Technical College**

Are you interested in a career that involves working with children? Elementary education, pediatric nursing and day care teacher are examples of some careers. The goal is to prepare

you to earn the 40-hour Child Care Assistant Certification (optional) that will allow you to work in a child care center at an entry level position. Learning activities will be devoted to the study of the developing child from infancy through school-age. You will be involved in organizing, planning and carrying out activities for children. First semester will focus on parenting while the second semester will focus on the developing child. There will be opportunities to work with our elementary youth. Students completing both semesters with a C average have the opportunity to receive 3 transcribed college credits through Western Technical College.

Offered alternate years (offered 2023-2024).

Ethnic Foods

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

Prerequisite: Foods I

This course will help students understand food as a social function in various ethnic settings within the United States and other countries. From meal preparation to presentation students will experience the relationship between food and cultures. Students will explore the best known food heritage within the celebration of a culture's holiday or cultural event. Accordingly, some research/reading will be required in addition to meal preparation.

Offered alternate years (offered 2023-2024).

Fashion & Design

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

Beginning level sewing/garment care and construction will be covered in this class. Students will discover how clothing choices are made and express their own individuality in creating a mix of projects using fleece, denim, and other materials. Some materials will be provided by the teacher and others will be provided by students. The cost of the projects varies with the student's choice. Color and design, fibers to fabrics, sewing techniques and recycling apparel will be explored.

Offered alternate years (offered 2022-2023).

Foods I

Length: Semester Credit: .5

Offered to: Freshmen and Sophomores

Do you like to prepare food? If yes, this course is for you. This course explores food and how it relates to social interaction, how eating patterns are formed, and how the family transmits societal norms and culture through food. Emphasis is placed upon basic food methods, technology, My Plate Nutrition, Dietary Guideline, meal planning and how to be a wise consumer.

Food Service

Length: Semester Credit: .5

Offered to: Sophomore through Seniors

Prerequisite: Foods I

Careers in the food and tourism industries are among the fastest growing occupations in the world, and there are many interesting and challenging opportunities for employment. The course will help students examine careers related to food, hospitality and tourism. Students will

acquire skills used in the food service industry. They will apply food science principles in laboratory situations and will develop advanced food preparation techniques such as decorating, garnishing, food sculptures, beverages, candy making, sauces and food as gifts.
Offered alternate years (offered 2022-2023).

Personal Finance

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

Required for graduation

***Transcripted with Western Technical College**

This hands-on class takes you through some of the most important financial situations that you will be forced to deal with in the near future including banking, credit, saving, budgeting and the importance of credit scores. It will include insurance of vehicle purchasing, rental leases and credit cards. This class will help you get started in your financial life and hopefully help prevent common financial mistakes. Practical tips on saving and stretching your income to meet expenses will be stressed.

Wellness Management

Length: Semester Credit: .5

Offered to: Sophomores

Required for graduation

Wellness Management concerns the knowledge, confidence, and resource strategies for making decisions about current health concerns. The course will provide students with resources and skills for dealing with critical wellness issues in a rapidly changing global society.

MATHEMATICS DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Mathematics			
Advanced Algebra	1	10, 11, 12	Algebra & Geometry
Algebra & Math Fundamentals	1	9, 10	
AP Statistics	1	11, 12	Advanced Algebra
Calculus	1	11, 12	Pre-Calculus/Trigonometry
Geometry	1	9, 10, 11, 12	Algebra
Integrated Mathematics	1	10, 11, 12	
Pre-Calculus/Trigonometry	1	11,12	Advanced Algebra

Advanced Algebra

Length: Year Credit: 1

Offered to: Students who have completed Algebra and Math Fundamentals

This course is a continuation of the ideas begun in Algebra I and Geometry with a more in-depth look at the structure of each and a greater emphasis on problem solving. Topics will include solving systems of linear equations, understanding variations, polynomials, and quadratic functions as well as how to solve, graph, and apply them.

Algebra & Math Fundamentals

Length: Year Credit: 1

**Offered to: Freshmen and Sophomores
(placement from 8th grade)**

Algebra is a fundamental introduction to high school mathematics. The core Algebra curriculum includes variable expressions, functions, and graphs. A heavy emphasis is placed on Linear relationships in an effort to lead towards an understanding of Quadratic, Exponential, and other relationships covered in later courses. Students are expected to become knowledgeable of the vocabulary and skillful in solving a variety of mathematical problems along the way.

AP Statistics

Length: Year Credit: 1

Offered to: Juniors and Seniors who have completed Advanced Algebra

The Advanced Placement Program offers a course to students who wish to complete studies equivalent to a one-semester, introductory, non-calculus-based, college course in statistics. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. All students who are willing to accept the challenge of a rigorous academic curriculum are encouraged to enroll in AP Statistics. Students who pass the AP Exam may be awarded college credit. The cost to take the AP Exam is approximately \$96. Successful completion of the course does not guarantee passing the AP Exam for college credit. A graphing calculator will be required in this course. Casio 9750 GII recommended.

Calculus

Length: Year Credit: 1

Offered to: Students who have completed Pre-Calculus

This course covers the basics of Calculus. The topics covered will include some from previous mathematics work, such as functions, continuity, and trigonometry. The majority of the topics will be devoted to differentiation, integrals, the fundamental theorem, and the applications of each. A graphing calculator will be required for this course.

Geometry

Length: Year Credit: 1

Offered to: Students who have completed Algebra I

Much of geometry is about measuring. The prefix geo- means "earth" and the suffix-metry means "measure." Geometry is also about shapes, their properties, and relationships. Furthermore, geometry is closely related with other branches of mathematics such as algebra, logic, probability, and trigonometry. Understanding the logical structures of geometry is important to your success in this course. You will learn what it means to define a term, test a conjecture, and prove a theorem. You will see patterns, shapes, sizes, illusions, and similarities. Students are required to have a calculator for this class.

Integrated Mathematics

Length: Year Credit: 1

Offered to: Sophomores through Seniors

Integrated Mathematics combines various areas of mathematics into one course. We will study algebra, probability, statistics, geometry, trigonometry, and logic. The use of computer and calculator technology will be utilized throughout the course. Mathematics will also be applied to various areas of work and life. A calculator is required for all students enrolling in this course.

Pre-Calculus/Trigonometry

Length: Year Credit: 1

Offered to: Students who have completed Advanced Algebra

This course will prepare students for more advanced work in mathematics and extend the ideas covered in Advanced Algebra. Logic, logarithms, matrices, polar coordinates, and advanced trigonometry are special areas that will be covered during the year. The use of graphing calculators will be emphasized throughout the curriculum. Casio 9750 GII recommended.

MUSIC DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Music			
Band	1	9, 10, 11, 12	
Choir	1	9, 10, 11, 12	

Band

Length: Year Credit: 1

Offered to: Freshmen through Seniors

The Mustang Band is a performance-based class, featuring Marching Band, Pep Band, and Concert Band. The Marching Band performs at nearby parades in the fall and summarizes the season with a Marching Review concert. The Pep Band performs at selected home sporting events. The Concert Band performs at the Winter, Pops, and Spring Concerts, as well as at Large Group Contest and Graduation. Band members may also participate in Jazz Band and Solo/Ensemble. Rehearsals are held each day, and lessons are scheduled during the school week.

Choir

Length: Year Credit: 1

Offered to: Freshmen through Seniors

The Mustang Choir is a performance-based class. Performances will include: the Fall Concert, Winter Concert, Mid-Winter Concert, Spring Concert, Graduation, Memorial Day and performances of the National Anthem at a variety of sporting events throughout the year. Solo/Ensemble Festival is an optional part of the program. Participation in Large Group Contest is required as it takes place during the school day. Weekly lessons are scheduled for small groups and students will learn a wide variety of music throughout the school year. This class welcomes any student that is interested in vocal training, improving their singing ability, and singing in a choir.

PHYSICAL EDUCATION DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Physical Education			
Physical Education 9	0.5	9	
Physical Education 10	0.5	10	
Physical Education 11/12	0.5	11, 12	

Physical Education 9

Length: Semester Credit: .5

Offered to: Freshmen

This course includes Physical Fitness, Track & Field, Softball, Badminton, Basketball, Volleyball, Dance, Weight Training, and four (4) 1 mile endurance runs.

Physical Education 10

Length: Semester Credit: .5

Offered to: Sophomores

This course includes Soccer, Flag Football, Physical Fitness, Pickle Ball, Golf, Lacrosse, Volleyball, Weight Training, and four (4) 1 mile endurance runs.

Physical Education 11/12

Length: Semester Credit: .5

Offered to: Juniors and Seniors

This course includes units on Softball, Speedball, Snowshoe, Cross-Country Skiing, Broomball, Petica, Frisbee Golf, Soccer, Ultimate Frisbee, Pickle Ball, Volleyball, Badminton, recreational games, and Basketball.

SCIENCE DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Science			
Advanced Biology: Anatomy & Physiology	0.5	10, 11, 12	Biology
Advanced Biology: Genetics/Microbiology	0.5	10, 11, 12	Biology
Biology	1	10, 11, 12	
Chemistry	1	11, 12	Physical Science
Ecology	1	11, 12	
Physical Science	1	9, 10, 11, 12	
Physics	1	11, 12	Physical Science

Advanced Biology (Anatomy & Physiology)

Length: Semester Credit: .5

Offered to: Students who have completed Biology

Prerequisite: Biology

This semester of Advanced Biology is designed to give students that are science and medical technology oriented an opportunity to get more background and knowledge in the area of Anatomy & Physiology. This is also important for the college bound student as it gives the foundation for much of the information needed for a college level biology class.

Advanced Biology (Genetics/Microbiology)

Length: Semester Credit: .5

Offered to: Students who have completed Biology

Prerequisite: Biology

This semester of Advanced Biology begins with approximately six weeks of genetics. Microbiology will take up the remaining semester. Microbiology consists of a high degree of lab work. If you are interested in the medical fields or life sciences in college, this class is very helpful

Biology

Length: Year Credit: 1

Offered to: Sophomores through Seniors

Required for graduation

Biology is a year-long course and is a required course to complete high school. It is designed to develop an understanding of living organisms, with emphasis on ecological relationships between man, environment, and other living organisms.

Chemistry

Length: Year Credit: 1

Offered to: Juniors and Seniors

Prerequisite: Physical Science

Chemistry is an elective science course designed to accommodate students who plan on going to college as well as those interested in careers in the science or health fields. Chemistry is a fast-paced course which integrates science theory, mathematical calculations, and laboratory

experiences. The following topics are typically covered over the course of the year: the structure of matter, the periodic table, chemical bonding, the mole concept, stoichiometry, thermochemistry, acid-base theory, reaction rates, and organic chemistry.

Ecology

Length: Year Credit: 1

Offered to: Juniors and Seniors

Ecology is designed to give the students the opportunity to study conservation in its entirety or to satisfy special interests in soil and water, forestry, and wildlife management. The fall semester has an emphasis in forestry and the spring semester on birds and water ecology. One-half credit will be granted for each semester successfully completed. The student may select either semester or both.

Physical Science

Length: Year Credit: 1

Offered to: Freshmen through Seniors

This is an entry-level course into the high school science program. There are no prerequisites for this class which is open to students in ninth through twelfth grades. It is recommended that all freshmen take Physical Science. One-half credit will be earned for each semester passed. Semester one will be a study of the microscopic world of the atom, compounds, and chemical reactions. Topics covered will be 1) The Nature of Matter, 2) Kinds and Substances, and 3) Interactions of Matter. Semester two will be a study of the macroscopic world around us. During this semester we will be investigating the topics of 1) Energy and Motion, 2) Waves, Light, and Sound, and 3) Energy Resources.

Physics

Length: Year Credit: 1

Offered to: Juniors and Seniors

Prerequisite: Physical Science

Physics is an elective science course that explains the “hows” and “why” of the world around us by using a small number of mathematical laws. It is recommended that all students enrolling in physics have completed an advanced algebra and geometry course. This course is highly recommended for all college-bound seniors and will typically cover the areas of forces, motion, energy, waves, sound, and light.

SOCIAL STUDIES DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Social Studies			
American History	1	10	
AP American Government	1	11	
AP Psychology	1	11, 12	Social Studies 9, American History, Biology
AP United States History	1	10	
Civics	1	11	
Economics	0.5	11, 12	
Social Studies 9	1	9	
World History	0.5	9, 10, 11, 12	

American History

Length: Year Credit: 1

Offered to: Sophomores

American History is a two-semester course. The class emphasizes the history of the United States in the Twentieth Century. It is required of all sophomores.

AP American Government

Length: Year Credit 1

Offered to: Juniors

This course is intended as a challenge course for the required “Civics” during the junior year. AP American Government would provide students with an understanding beyond the basics of the U.S. Government, politics and democratic processes. The course curriculum follows that of AP US Government courses and prepares students if they choose to take the AP examination in the spring.

AP Psychology

Length: Year Credit: 1

Offered to: Juniors and Seniors

This year-long advanced placement course will deal with the study of people’s behavior and how one’s values, customs, and attitudes are reached. The study of behavior will be divided into four groups. Course topics will include physical characteristics, which contribute to behavior, cognitive activity (thinking) emotional responses, and social environment factors. In a brief summary, the course will be a study of humans. The course will be aligned with the AP Psychology curriculum and students will be prepared to take the AP exam for college credit in the spring.

Offered alternate years (offered 2022-2023).

AP United States History

Length: Year Credit: 1

Offered to: Sophomores

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History 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, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about context. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places. The course may be taken in place of the required American History course, or, if one is interested and has already taken American History, you can take the AP course as an elective. The curriculum follows the AP US History curriculum and prepares students if they choose to take the AP exam in the spring for possible college credit.

Civics

Length: Year Credit: 1

Offered to: Juniors

This required course will cover the basic foundation of the workings of the U.S. Government in relation to the roles and responsibilities of its citizens. It will provide students with knowledge and background in the democratic processes. Not only will the basic principles of our government be studied, but we will also deal with the importance of individual rights and duties in a democratic society today.

Economics

Length: Semester Credit: .5

Offered to: Juniors and Seniors

This elective one-semester course deals with a variety of economic issues in the context of micro and macro economic study. The course includes all concepts and background necessary for any high school student who wishes to go into business, marketing, or accounting, as well as those interested in understanding how the economy works, and how it impacts their lives. It is a course that will change the way you think about current events, and your own future.

Offered alternate years (offered 2023-2024).

Social Studies 9

Length: Year Credit: 1

Offered to: Freshmen

Social Studies 9 is a two-semester course required for all freshmen. The class is comprised of four components. These include two main components of Minority Studies and Area Studies, and two shorter component parts, which include a study of citizenship and law (the Bill of Rights, etc.) and a short course of consumer economics focusing on basic money skills and understanding. The course also will focus on current events and will include a writing curriculum, which will develop organization, research, and communication skills over the course of the year of study.

World History

Length: Semester Credit: .5

Offered to: Freshmen through Seniors

There are two fundamental reasons for studying ancient history. Life in ancient times is interesting and when told well, makes an epic story. Additionally, people in all periods of history share a common humanity. The human experience can be inspiring, tragic, and humorous.

Exploring the past involves a sense of beauty and excitement, and ultimately another perspective on our own lives. During this one-semester elective we will examine: ancient prehistoric beginnings, Egypt, Mesopotamia, and finish with the classical civilizations of Greece and Rome. We will examine the roots and development of civilization and the cast of people who laid the foundations of the world we live in today. These are the stepping stones of our modern world; exciting stuff. We will look at mythologies, philosophies, and some literature of the ancients, as well as their recorded history.

Offered alternate years (offered 2023-2024)

TECHNICAL EDUCATION DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
Technology and Engineering			
*CADD 1- Sketching and AutoCAD	0.5	10, 11, 12	
*CADD 2- 3D Parametric Modeling	0.5	10, 11, 12	
*Carpentry 1	0.5	11, 12	Wood Tech I or Foundations of Tech I and II or instructor approval
Carpentry 2	0.5	11, 12	Carpentry I
Electronics and Robotics	0.5	11, 12	
Foundations of Technology Education 1	0.5	9, 10	
Foundations of Technology Education 2	0.5	9, 10	
Introduction to Engineering Design	0.5	11, 12	CADD 1 and CADD 2
*Wood Tech I	0.5	10, 11, 12	
Wood Tech II	0.5	10, 11, 12	Wood Tech I

CADD 1 - Sketching and AutoCAD

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

***Transcripted with Western Technical College**

Computer Aided Drafting and Design is a course designed to introduce students to the field of mechanical drawing. During the first semester of the course students will develop skills in understanding and preparing engineering drawings while simultaneously learning AutoCAD software. Topics covered will include sketching techniques, orthographic projection, sectioning, symbols, dimensioning and detail drawings. Students will also explore other types of engineering drawings.

CADD 2 - 3d Parametric Modeling

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

***Transcripted with Western Technical College**

During this second semester course students are introduced to the concepts, commands, and techniques of parametric modeling. Using Autodesk Inventor software, students will construct "intelligent" solid models, create and constrain assemblies and create 2D drawings, balloons, parts lists and reference dimensions from the 3D models.

Carpentry 1

Length: Semester Credit: .5

Offered to: Juniors and Seniors

Prerequisite: Wood Tech 1, or Foundations of Tech. 1 and/or 2 or instructor approval

***Transcripted with Western Technical College**

Carpentry provides the student with exposure to the field of residential construction. Students learn techniques and practices used in the construction industry while covering units in materials, plans, hand and power tools, foundations, framing, and occupational safety (OSHA). Students will participate in group projects framing full size residential structures.

(This course offers the opportunity for students to earn professional certification through the Career Connections Program.)

Offered alternate years (offered 2022-2023).

Carpentry 2

Length: Semester Credit .5

Offered to: Juniors and Seniors

Prerequisite: Carpentry 1

Continuing where Carpentry 1 leaves off, Carpentry 2 goes further into the residential construction process. Topics include, but are not limited to; installing doors and windows, drywall, heating and cooling systems, plumbing, home wiring, roofing, and finishing the structure.

(This course offers the opportunity for students to earn professional certification through the Career Connections Program.)

Offered alternate years (offered 2022-2023).

Electronics and Robotics

Length: Semester Credit: .5

Offered to: Juniors and Seniors

This course focuses on the fundamentals of electricity and electronics. Units include, soldering and fabrication techniques, fundamentals of electricity, electronic components, multimeter use, schematics, and electromechanical systems. Students will spend a significant amount of time constructing and testing circuits. The second half of the course students will be working with assorted robotics platforms.

Foundations of Technology Education 1

Length: Semester Credit: .5

Offered to: Freshmen and Sophomores

Foundations of Technology Education prepares students to understand and apply technological concepts and processes while covering a variety of technological fields. Units include Academic and Career Planning, manufacturing, electronics, engineering design, measurement and 3d modeling and printing. In class students create a variety of projects, learning to operate the laser, CNC router, 3d printers, along with many other tools. This exploratory course will prepare students for more specialized, in-depth, technology courses at the high school level and is recommended for all students wishing to take other course offerings in the Technology Education Department.

Foundations of Technology Education 2

Length: Semester Credit: .5

Offered to: Freshmen and Sophomores

In Foundations of Technology Education 2 students are introduced to the fields of construction, transportation, energy and power. In our construction unit students learn about careers in a variety of construction fields. Students explore the basics of home construction while building a scale model of a residential structure. During the energy portion of the course we will explore energy resources and technologies such as wind, solar, and geothermal, along with others. Students also learn about alternative fuel vehicles.

Introduction to Engineering Design

Length: Semester Credit: .5

Offered to: Juniors and Seniors

Prerequisite: CADD1 and CADD 2

What does it mean to be an engineer? Introduction to engineering design is a course designed to foster problem solving skills. Engineering scope, content, and professional practices are presented through practical applications that revolve around actual case studies. Units of study include: systems and optimization, ethics, teamwork, modeling and problems solving, and design. Students in Introduction to Engineering Design, will research, develop, test, and analyze engineering designs using established criteria. This course is the capstone course for students who are interested in technology, innovation, design and engineering.

Offered alternate years (offered 2023-2024)

Wood Tech I

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

***Transcripted with Western Technical College**

Woodworking provides students with the skills necessary to use woodworking tools with safety and confidence. As the name implies, Wood Tech will develop basic skills in the construction of projects using hand and power tools, material selection, measurement, drawing and blueprint reading, wood science, estimating, assembly, and finishing techniques. Students will construct several required projects designed to develop their skills. Students should take a great deal of pride in their work as attention to detail will be stressed.

Wood Tech II

Length: Semester Credit: .5

Offered to: Sophomores through Seniors

Prerequisite: Wood Tech 1

Students enrolled in Wood Tech 2 will continue to develop the skills introduced in Wood Tech 1 while also covering techniques in casework construction. The focus of the course is on the research, planning, design, and construction of a project selected by the student.

(This course offers the opportunity for students to earn professional certification through the Woodworkers Career Institute.)

WORLD LANGUAGE DEPARTMENT

Course Name	Credit	Grade	Prerequisite(s)
World Language			
Spanish I	1	9, 10, 11, 12	
Spanish II	1	9, 10, 11, 12	Spanish I
Spanish III	1	10, 11, 12	Spanish II
Spanish IV	1	11, 12	Spanish III

Spanish I

Length: Year Credit: 1

Offered to: Freshmen through Seniors

Spanish I provides an introduction to the Spanish language including pronunciation, cultural information, basic grammatical structures, and vocabulary related to everyday life. Emphasis is on acquisition of the four language skills: reading, writing, speaking, and listening. Students will be able to communicate at a beginning level in the present tense.

Spanish II

Length: Year Credit: 1

Offered to: Students who have completed Spanish I

This full-year course builds upon knowledge gained in Spanish I. Students will continue to develop the skills of reading, writing, speaking, and listening, with an emphasis on listening and writing. More complex and varied forms of expression will be studied. Students will continue working in the present tense learning more sophisticated sentence structures, and will be introduced to the past tense.

Spanish III

Length: Year Credit: 1

Offered to: Students who have completed Spanish II

This full-year course builds upon knowledge gained in Spanish I and II. Students will continue to develop the skills of reading, writing, speaking, and listening, with an emphasis on speaking and reading. Students will expand their vocabulary, learn to use more advanced language expressions, and thoroughly study the past tense. They will also learn the future and conditional tenses.

Spanish IV

Length: Year Credit: 1

Offered to: Students who have successfully completed Spanish I, II, and III.

This full-year course builds upon knowledge gained in Spanish I, II, and III. Students will continue to develop the skills of reading, writing, speaking, and listening, with an emphasis on speaking and reading. Students will expand their vocabulary, learn to use more advanced grammatical concepts, further develop their proficiency in all tenses, and learn the subjunctive mood.

MISCELLANEOUS COURSES

Miscellaneous			
Teacher Assistant	0	12	

Teacher Assistant

Length: Semester Credit: 0

Offered to: Seniors

This course is offered to senior students who have already completed all required credits towards graduation or are on track to meet all credit requirements. In this role students will assist teachers with the day to day functions of their class including class prep and grading. Students may also work with other students providing education assistance and tutoring on the subject matter.

ADVANCED OPTIONS

The following pages detail several different advanced course options and opportunities for students looking to pursue higher education and career advancement options. Please be aware that all advanced option courses ARE incorporated into the student's GPA.

Advanced Placement Courses

Advanced Placement (AP) courses allow high school students to study a particular subject and possibly earn college credit by taking an exam at the end of the course. Melrose-Mindoro High School offers the following AP courses:

- AP American Government
- AP Psychology
- AP Statistics
- AP United States History

Students who are interested in any other AP course should inquire in the counselor's office for more information.

Transcripted Credit Courses

Transcripted courses are classes taught here at Melrose-Mindoro High School by a high school teacher. Teachers teaching these classes have worked with Western Technical College to develop the course to match the same content and standards as the college level course. Upon successful completion of the course with a C or better, students will earn the corresponding credits at Western Technical College. These courses are indicated throughout the course handbook.

Wisconsin's Early College Credit and Start College Now Programs

High school students at public and private high schools in Wisconsin can earn college credit through the Early College Credit Program (ECCP) and the Start College Now Program. The Early College Credit Program covers courses taken at a 4-year university in the state of Wisconsin. The Start College Now program covers courses taken at a Wisconsin technical college. Students are able to apply for college courses under either of these programs if they are in good academic standing and have exhausted the curriculum in that content area at the high school or if no comparable course is offered. Students should select courses that help them reach their education and career goals.

How to Apply for the Early College Credit Program:

- Meet with your high school counselor to see if it's a good fit for you and to collect necessary paperwork.
- Submit your completed forms by March 1 for summer/fall semester or October 1 for spring semester to your school officials.
- Follow up with a representative of the college offering the course to complete course registration

Project Circuit Two-Way Interactive Network Courses

Project Circuit is a distance learning opportunity for students in good standing (C average). Students can take classes from other high schools or technical colleges. Some courses require an ACT test score and prior admission to a college. The technical college courses offered are taught by certified instructors, using technical college books and materials. Students receive regular technical college credit upon completion of the course(s). At successful completion of the course, students will receive an official transcript with grade and credit(s) recorded at the technical college. These courses are of college level integrity and rigor. Courses will be taught on the technical college calendar as stated in the course syllabus. Absences due to conflicting high school activities must be pre-arranged with the instructor and students will be responsible for any missed work. Final grades can be provided only at the completion of the college semester. All students will need an email address for these classes. All high school student registration paperwork must be submitted by the college deadline with appropriate signatures and recommended forms where applicable. The following Project Circuit technical college course offerings are popular choices for students pursuing a variety of education and career pathways after high school:

English 1

Course Number: 20-801-201

Length: Semester Credit: .75

Offered to: Juniors and Seniors

***3 college credits through the WI Technical College System**

English 1 is designed to help students use the writing process to strengthen and refine their writing skills. Students will use critical reading, thinking, and research skills to produce writing that illustrates their ability to effectively analyze information, synthesize information from sources, and ultimately produce polished prose suitable for various purposes and audiences. This class assumes competence in English grammar and paragraph structure.

Introduction to Psychology

Course Number: 10-809-198

Length: Semester Credit: .75

Offered to: Juniors and Seniors

Prerequisite(s): AP Psychology, ACT Reading/13+

***3 college credits through the WI Technical College System**

This is an introductory course in psychology, surveying the multiple aspects of human behavior. It addresses the theoretical foundations of human functioning in such areas as perception, learning, motivation, development, personality, health and pathology, exploring physiological and environmental influences. It directs the student to an insightful understanding of the complexities of human relationships in personal and vocational settings.

Introduction to Sociology

Course Number: 10-809-196

Length: Semester Credit: .75

Offered to: Juniors and Seniors

***3 college credits through the WI Technical College System**

This course is designed to introduce students to the basic concepts of sociology: culture, socialization, social stratification, multiculturalism, and the five institutions, including family,

government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

Medical Terminology

Course Number: 10-530-108

Length: Semester Credit: .75

Offered to: Juniors and Seniors

***3 college credits through the WI Technical College System**

This course focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation analysis and reconstruction of terms. Emphasis will be placed on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

Race, Class, and Gender

Course Number: 20-809-217

Length: Semester Credit: .75

Offered to: Juniors and Seniors

***3 college credits through the WI Technical College System**

This introductory course examines ethnic, racial, religious and cultural origins of Americans. The course focuses on social interactions that contribute to the understanding of different groups in diverse settings. In addition to an analysis of majority/minority relations in a multicultural context, social class and gender will also be analyzed as systems of inequality and sources of cultural difference.

Speech

Course Number: 10-801-198

Length: Semester Credit: .75

Offered to: Juniors and Seniors

***3 college credits through the WI Technical College System**

This course explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organizations, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of this course.

Online Courses

Online courses are available through Wisconsin Virtual School. If a student in good standing (C average) is interested in a course we do not offer in house, it is a great option.

***If a student takes an online or Project Circuit class and does not receive a passing grade, the student is responsible for the cost of the course.**

School to Career Opportunities

Students who have met graduation credit requirements or are on track to do so may be eligible to participate in school to career learning opportunities. These opportunities allow students to spend part of their school day on the job site learning a trade and earning money at the same time.

Work Based Learning

Length: Semester to a year Credit: .5 to 1

Offered to: Juniors and Seniors

Prerequisite: Completed two or more courses within a CTE pathway

Work based learning is an opportunity for upperclassmen to gain real world work experience while earning money and high school credit at the same time! Students will work with their employer to develop employability skills, technical competency, and a greater understanding of their career industry. Students will engage in journaling and progress meetings with their school mentor to reflect on their work based learning experience and to continue to plan for their future.

Youth Apprenticeship

Length: Year Credit: 1

Prerequisite: Completed Application Form and Approval of YA Coordinator

Offered to: Juniors and Seniors

If interested, please contact the youth apprenticeship coordinator, principal, or high school counselor for further information.

Wisconsin's Youth Apprenticeship (YA) program is a part of a statewide School-to-Work initiative. It is designed for high school students who want hands-on learning in an occupational area at a worksite along with classroom instruction. This one or two year elective program combines academic and technical instruction with mentored on-the-job learning. A minimum of two semesters of related classroom instruction is required for each one year YA program.

Students should enroll in a Youth Apprenticeship based on the Career Cluster related to their job. Upon successful completion of their Youth Apprenticeship, students will earn a Certificate of Occupational Proficiency from the Department of Workforce Development.

Programs Include:

<ul style="list-style-type: none">• Agriculture, Food and Natural Resources• Architecture and Construction• Arts, A/V Technology and Communications• Finance• Health Science• Hospitality, Lodging and Tourism	<ul style="list-style-type: none">• Information Technology• Manufacturing• Marketing• Science, Technology, Engineering and Math• Transportation, Distribution, and Logistics
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*All advanced option courses ARE incorporated into the student's GPA.

NCAA Approved Courses

Course Name	Credit	Grade	Prerequisite(s)
English			
College Prep Literature	0.5	12	
College Prep Writing	0.5	12	
English 9	1	9	
English 10	1	10	
Journalism	0.5	10, 11, 12	
Speech	0.5	11, 12	
Mathematics			
Advanced Algebra	1	10, 11, 12	Algebra & Geometry
Algebra	1	9, 10	
AP Statistics	1	11, 12	Advanced Algebra
Calculus	1	11, 12	Pre-Calculus/Trigonometry
Geometry	1	9, 10, 11, 12	Algebra
Pre-Calculus/Trigonometry	1	11, 12	Advanced Algebra
Science			
Advanced Biology: Anatomy & Physiology	0.5	10, 11, 12	Biology
Advanced Biology: Genetics/Microbiology	0.5	10, 11, 12	Biology
Biology	1	10, 11, 12	
Chemistry	1	11, 12	Physical Science
Ecology	1	11, 12	
Physical Science	1	9, 10, 11, 12	
Physics	1	11, 12	Physical Science
Social Studies			
American History	1	10	
AP American Government	1	11	
AP Psychology	1	11, 12	Social Studies 9, American History, Biology
Civics	1	11	
Economics	0.5	11, 12	
Social Studies 9	1	9	
World History	0.5	9, 10, 11, 12	
World Language			
Spanish I	1	9, 10, 11, 12	
Spanish II	1	9, 10, 11, 12	Spanish I
Spanish III	1	10, 11, 12	Spanish II
Spanish IV	1	11, 12	Spanish III