



# Mancelona High School Course Guide

# Course Offerings

MHS Graduation Requirements			
Content	Required Courses (Full Year)	Required Credits	Electives (Semester)
English Language Arts	Reading I, II, III and IV General ELA 9 & 10 or ELA 9 & 10 American Literature World Literature	4 Credits	Journalism Speech Drama
Mathematics	Math I, II, III and IV General Algebra I & II or Algebra I & II Geometry Financial Literacy	4 Credits	Statistics in Sports
Physical Education & Health	PE/Health	1 Credit	Lifetime Fitness Advanced PE Weights and Conditioning
Science	Biology General Chemistry or Chemistry	3 Credits	Science Survey Biology II Astronomy Geology Weather
Social Studies	Civics & Economy United States History & Geography World History & Geography	3 Credits	History of Sports Geography
Visual, Performing and Applied Arts		1 Credit	Art Advanced Art Ceramics Print Making Band Music Appreciation Woods Advance Woods
World Language	French* <small>*Integrated online learning experience. Full semester compressed into a single semester.</small>	2 Credits	
Electives		3 Credits	Business Work Study Careers Life Skills Advanced Life Skills Web Design
	Total	21 Credits	

Courses offered in a given year may vary. Dual enrollment (college) classes are not listed, but may take the place of a required or elective course. Online courses are an approved alternative or make-up opportunity. Career Tech offers credit for some core classes. Credit earned there it is not split between program and core. MHS awards the first part of earned credit towards the program and the balance for elective credit. 1.0 credit classes are generally a full academic year; first semester and second semester. .5 credit classes are a single semester offering; first or second semester.

# English

## **Reading I, II, III, IV**

**1.0 credit**

Students will improve their reading and writing skills. They are given opportunities to read a wide range of texts, participate in meaningful learning tasks, and be allowed to explore, collaborate, and work independently.

## **General ELA 9**

**1.0 credit**

English class designed to improve reading, writing, listening and speaking skills. A variety of reading genres explored to improve comprehension and fluency. Multi-paragraph writing assignments will include proper grammar, sentence structure, variety in vocabulary and spelling.

## **ELA 9**

**1.0 credit**

This course focuses on written and oral communication skills, while strengthening ability to understand and analyze literature in a variety of genres. Students read an array of short stories, poetry, drama, novels, autobiographies, essays, and speeches. The course guides students in close reading and critical analysis of classic works of literature, and helps them to appreciate the texts and the contexts in which the words were written. Students also build their grammar, usage, and mechanic skills.

## **General ELA 10**

**1.0 credit**

Building off the foundations from General ELA 9, more independence is required to build reading level and proficiency. Written work requires tighter organization and technical accuracy.

## **ELA 10**

**1.0 credit**

This course is the exploration of different genres all related to a relevant and meaningful essential question. Students will engage in activities that lead to critical thinking/analysis, discussion, and writing.

## **American Literature**

**1.0 credit**

The class is designed to instruct students in the reading and writing skills necessary for success in the classroom and in the world outside these walls after graduation. Students read a variety of American literature and complete a variety of writing assignments including personal narratives, argumentative essays, and explanatory essays. Students also work in small groups on a variety of projects.

## **World Literature**

**1.0 credit**

The class is designed to instruct students in the reading and writing skills necessary for success in the classroom and in the world outside these walls after graduation. Students read a variety of Classic literature and complete a variety of writing assignments including personal narratives, argumentative essays, and explanatory essays. Students also work in small groups on a variety of projects.

## **Journalism**

**.5 credit**

Students will research and work on school district news, feature, sport and entertainment articles. A focus will be on journalistic ethics for print in digital media. Uploading article to the district web site will be done in collaboration with the Web Design class.

## **Creative Writing**

**.5 credit**

Students will work in creative nonfiction, short fiction and poetry. Daily writing will include instructor and peer feedback. Students will develop the habits, attitudes and flexibility of a writer.

**Drama****.5 credit**

Course work included stage movement, pantomime, theater vocabulary, improvisation, interpretive reading, memorization and short scenes.

**Speech****.5 credit**

Develop and improve public speaking and speech writing skills by preparing and presenting informational, persuasive, tribute, interpretive and impromptu speeches.

# Math

## **Math I, II, III and IV**

**1.0 credit**

Fundamental math skills like number sense, adding, subtracting, multiplying and dividing taught and practiced. Skills like time, measurement and money are incorporated. Basic algebraic and geometric content covered in this functional course.

## **General Algebra I**

**1.0 credit**

Covers solving and graphing linear equations and inequalities, reading and interpreting word problems and understanding functional relationships using graphs, charts and tables.

## **Algebra I**

**1.0 credit**

Designed to give students a foundation for all future mathematics courses. The fundamentals of algebraic problem solving explained. Students will explore: foundations of Algebra, solving equations, solving inequalities, an introduction to functions, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, and data analysis and probability.

## **Geometry**

**1.0 credit**

The course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry.

## **General Algebra II**

**1.0 credit**

Covers solving quadratic equations by graphing, by factoring, by completing the square, understanding functional relationships using graphs and charts and working with rational and irrational expressions to solve simple rational and radical equations.

## **Algebra II**

**1.0 credit**

The third high school math course that uses problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking.

## **Financial Literacy**

**1.0 credit**

Academic skills, such as communication, mathematics, reading, research and writing, are utilized throughout the course. Financial topics include saving, budgeting, debt, consumer awareness, bargain shopping, life after high school (education/training) investing and retirement, insurance, money and relationships, careers and taxes, and giving to charity.

## **Statistics in Sports**

**.5 credit**

Using sports as the basis for application of math principles. A combination of algebraic and geometric skills are used to explain and better understand sports and sporting accomplishments.

# Science

## Science Survey

1.0 credit

General science course covering physical, life and Earth and space science. Overview of topics will incorporate STEM practices.

## Earth Science

1.0 credit

The goal of Earth Science is to introduce students to the Earth and Earth's systems: Weather, oceanography, volcanoes, earthquakes, rocks and minerals, environmental issues, and astronomy are covered as part of this class.

## Biology I & II

1.0 credit

Biology, the study of living things, is an introductory life science course that explores the principles of modern biology. Biology II is an advance look of ecology and environmental issues as well as human anatomy and physiology.

## Chemistry

1.0 credit

Chemistry is the study of the structure and composition of matter that makes up the world around us. Chemistry also deals with the study of the changes of matter and the mechanisms by which changes occur. This class cover topics such as matter, chemical reactions, solutions, and nuclear chemistry.

## Physics

1.0 credit

Physics is the study of motion, electricity, sound and light. Students focus on collecting scientific data on velocity, acceleration, gravity, Newton's Laws of Motion, vectors, momentum, energy, heat, sound, light, electricity and magnetism. This course emphasizes applying physics knowledge to engineering practices and solutions.

## Astronomy

.5 credit

Study of the galaxy and solar system. Proven and theoretical history and evolution of the components from our planet, the moon and sun to other planets and stars.

## Geology

.5 credit

Rock types and formations are studied. Specific geographic locations and deposits will be included.

## Weather

.5 credit

Basic weather concepts, vocabulary and patters are covered. In addition, observational data will be gathered and analyzed. Local to global weather concepts reviewed to determine the impact on each another.

# Social Studies

## **United States History**

**1.0 credit**

The exploration of United States history from Reconstruction to the present. A focus on the U.S. Constitution and major emphasis on the 20<sup>th</sup> century.

## **World History**

**1.0 credit**

An in-depth study of our global community's past, emphasizing the people and events that changed past societies, and how these changes affect our modern society.

## **Civics & Economics** (formerly Government)

**1.0 credit**

This class will be an introduction to the foundations of American government checks and balances, separation of powers, judicial review, federalism and the Constitution. Second semester will focus on both Micro and Macroeconomics. The class will focus on markets, international relations and wealth.

## **Geography**

**.5 credit**

The study of the Earth climate and regions with emphasis on topography and terrain. Historical land use and population trends used to learn how present day civilization has developed from early beginnings.

## **History of Sports**

**.5 credit**

Examination of the development of sports in America, from the colonial period to the present. Students explore how unorganized and impromptu athletic activities were transformed into spectator sports at the collegiate and professional level, and the ways in which sports reflected and informed issues of race, class, gender, ethnicity and international politics. The course will consist of films, readings, lectures, projects and discussions.

# Physical Education

## **PE/Health**

**1.0 credit**

This course allows students the opportunities to learn and practice the components of fitness through a variety of physical activities. It explores the parts, strategies, and resources of Health/Wellness in an attempt to educate students how to lead healthy lives and make positive choices.

## **Lifetime Fitness**

**.5 credit**

Students explore different exercise activities and techniques. Through these opportunities students can select activities they prefer, while also helping to understand the value of continuing these activities in their adult life.

## **Advanced PE**

**.5 credit**

A course in which students can explore and practice sports specific techniques that include strength, speed, agility, power, and individual sport skills.

## **Weights and Conditioning**

**.5 credit**

Designed for beginners to proficient weight lifters. Beginners focus on the whole body and more advanced students put an emphasis on power lifting with a balance of work on cardiovascular stamina.



# Visual, Performing and Applied Arts

## **Band**

**1.0 credit**

This is a class designed to review middle school band skills and increase musical skills so that students may participate in post-high school music. Required performances are an integral part of the course. The class is comprised of both marching and performing. After-school components are required.

## **Music Appreciation**

**.5 credit**

This class teaches students basic music vocabulary, various music genres, and the evolution of music. Students get an opportunity to interact with music and the instruments used to create.

## **Art**

**.5 credit**

General Art class for students to experience as many forms of creating art as possible. Some art history and notable artists highlighted as the students explore mediums.

## **Advanced Art, II & III**

**1.0 credit**

This class encourages the use of multiple media during the year. Individual preference for one style may emerge and then given opportunity to enhance skills. More independence earned in each subsequent class.

## **Print Making**

**.5 credit**

Students learn how to screen print and produce images and messages on paper and cloth. School advertisement and

## **Ceramics**

**.5 credit**

Introduction to Ceramics - many basics including hand-building and glazing techniques and more advanced techniques such as learning how to throw on the pottery wheel and developing the artist's style.

## **Wood Shop**

**.5 credit**

Students will develop their knowledge and experience through various projects, lessons, and vocabulary. Safety and the use of hand tools, power tools, and woodworking machinery to allow students as much experience as possible by using many different machines and tools.

## **Advanced Woods, II & III**

**.5 credit**

Students with higher levels of woodworking proficiency may work on more intricate or larger projects with much more independence.

# World Language

## **French I & II**

**1.0 credit**

Students gain an understanding of how the language is structured and how they can use this knowledge to express their own needs and talk about the world around them. Common vocabulary and phrasing is learned. The class is online, but within a classroom. A full semester of material is covered in a single semester. French II offers a deeper exploration and use of the language in the same setting.

# Electives

## Life Skills I, II

1 credit

Students are taught and given opportunities to practice the skills needed as they mature and encounter multiple responsibilities. These skills will assist them with the transition into their post-secondary lives. The levels progress from very regimented and guided lessons to more independent time to apply skills in the school setting.

## Business

.5 credit

Student will build computer software knowledge. Skills developed for all aspects of running a business; product development, purchasing, marketing and sales are the primary focus. Labor, payroll and other business byproducts incorporate into the course.

## Work Study

.5-1.5 credits

Students earn credits for successful work placements outside of the high school. A supervising teacher monitors work attendance and incorporates job skills into any classroom time. The credit earned can vary, as it is dependent on the number of classes being replaced (up to three).

## SAT Prep

.5 credit

This course teaches students test taking skills and reviews content covered on the SAT test. Both English and Math subject areas are reviewed.

## Web Design

.5 credit

Internet and web technologies are reviewed and skills developed to design, update and enhance district web site. Collaboration with other students from Journalism, or simultaneous enrollment in both courses, keeps pages updated and fresh.

## Community Connection (formerly Transition Central)

North Ed offers two support services to supplement the transition services offered by the local district for students with an Individualized Education Plan:

**Work Experience:** a type of work-based learning for students to gain valuable hands-on skills within the community setting. A North Ed job coach and up to three students are assigned a job site within the community.

**Community Connection:** a class hosted on the North Ed Community Connection for current high school students to attend and receive instruction by a certified teacher following the Brigrance Transition Curriculum.

## Career Tech

These programs are offered for eligible juniors and seniors and take place at the Career Tech Center in Traverse City.

Link for Career Tech Programs: <https://www.northwested.org/career-tech/programs/>