



School District of Manawa

Curriculum COMMITTEE MEETING

Manawa School District Office - Board Room

800 Beech Street, Manawa WI

(920)596-2525

Wednesday, December 6, 2023

4:30 P.M.

Board of Education Committee Members:

Riske (C), Fietzer, and Hansen

❖ **CALL TO ORDER**

❖ **PLEDGE OF ALLEGIANCE**

❖ **ROLL CALL - Verification of Quorum**

➤ *B.O.E. Members Present:*

❖ **COMPLIANCE WITH OPEN MEETING LAW NOTIFICATION** [*§19.84(2) Wis. Stats.*]

❖ **AGENDA**

1. Memo - Course Additions, Deletions, and Revisions
 - a. Consider Endorsement of Addition of two courses of study
 - i. Microsoft 365
 - ii. Cybersecurity
2. 24-25 LWHS Course Guide
 - a. Consider the Endorsement of Course Guide
3. Discussion regarding Wellness Committee

❖ **FUTURE MEETING AGENDA ITEMS**

➤

❖ **ADJOURN**

* Any person with a qualifying disability under the Americans with Disabilities Act that requires the meeting or material to be in accessible format, please contact the District Administrator to request reasonable accommodation. The meeting room is wheelchair accessible. This meeting is a meeting of the Board of Education in public for the purpose of conducting the School District's business and is not to be considered a public hearing. There may be a time for public comment during the meeting as indicated in the agenda.

**Upon request to the District Administrator, submitted twenty-four (24) hours in advance, the District shall make reasonable accommodations including the provision of informational material in an alternative format for a disabled person to be able to attend this meeting.



School District of Manawa

Students Choosing to Excel, Realizing Their Strengths

Board Meeting Date: 12/19/23

Agenda Item:

Subject: 2024-2025 LWH Course Additions Memo

Presenter(s): Michelle Johnson

I. Overall Content/Purpose:

The purpose of this memo is to propose course additions to the 2024-2025 LWH Course Guide as well as approval of the 2023-2024 LWHS Course Guide.

II. Point of Emphasis / Key Communication(s):

1. Additions:

- a. Microsoft 365 Course (See Course Proposal)
- b. Cybersecurity (See Course Proposal)

BOE: Vote

III. Contact for More Information:

Name: Michelle Johnson **email:** mjohnson@manawaschools.org



New Course/Course Revision Proposal

School District of Manawa

Date: 11/20/23

Title of Course: Microsoft 365

Teacher: Meria Wright

Department or Grade Level: Computer Science- Grades 11 and 12

Please check: Revision New

If New, does this replace a current class? No Yes

If Yes, what class does this replace?

Course description as it will appear in the Course of Study Guide.

This course is designed to support students to understand cloud concepts; Microsoft 365 apps and services; security, compliance, privacy, and trust in Microsoft 365; and Microsoft 365 collaborative, data analysis, presentation applications. Additionally, completion of this course will result in student Microsoft 365 certification. Microsoft Certifications start with foundational skills in Office 365 and Microsoft 365, but additional topics which may be covered ranging from Azure to AI, to data analytics and cybersecurity so students can acquire the technical skills they will need to perform industry roles.

<https://learn.microsoft.com/en-us/credentials/certifications/microsoft-365-fundamentals/>

<https://learn.microsoft.com/en-us/training/student-hub/certifications>

Number of credits: .5

Required course Elective course

Target student population: This course is to provide students with exposure to Office 365 and Microsoft 365 who are planning to attend college or the workforce where Microsoft is more prevalent.

Prerequisites: Approval from teacher and parent.

Describe how this new or revised course aligns with the curriculum scope and sequence and/or career pathways. Why should this course be offered?

The focus and benefits of this course:



- **Access to Microsoft Office Suite:** A Microsoft 365 subscription provides students with access to the latest versions of Microsoft Office applications, including Word, Excel, PowerPoint, Outlook, and OneNote, which can be used for a variety of academic tasks.
- **Cloud Storage:** With OneDrive, students can save and access their files from anywhere, on any device, which can be particularly useful for group projects or studying on the go.
- **Collaboration and Sharing:** Microsoft 365 provides students with the ability to share and collaborate on documents, spreadsheets, and presentations in real time, making it easier for them to work on group projects and discuss ideas with their classmates.
- **Online Learning Resources:** Microsoft 365 provides students with access to a variety of online learning resources, including templates, tutorials, and training materials, which can help them to develop new skills and enhance their academic performance.
- **Accessibility and Inclusivity:** Microsoft 365 offers a variety of accessibility features, such as dictation and text-to-speech, that can help students with disabilities to access and use the software effectively.

Include any data that supports the need for this course (i.e. student survey, ACT Aspire, ACT plus Writing, iReady, Wisconsin Forward Exam, PALS, labor market information, etc.).

Ms. Wright was approached by parents, former students currently in college, and Board Members who felt that this course would benefit our students and our future workforce.

List costs associated with offering this course. Include staffing, textbooks and materials, equipment, and staff training.

Ms. Wright is adept in Microsoft 365 & Office 365. No textbooks, materials, equipment, or staff training would be needed for this course.



New Course/Course Revision Proposal

School District of Manawa

Date: 11/20/23

Title of Course: Cybersecurity

Teacher: Meria Wright

Department or Grade Level: Computer Science- Grades 10 - 12

Please check: Revision New

If New, does this replace a current class? No Yes

If Yes, what class does this replace?

Course description as it will appear in the Course of Study Guide.

This course will focus on the implementation and monitoring of security on network and computer systems. Students will investigate strategies to identify and protect against security threats such as hackers, eavesdropping and network attacks. The basics of cryptography and logic reasoning will be explored. Hands-on labs in the CYBER.ORG Range provide practice in the configuration and mitigation of system vulnerabilities. Each unit integrates current events and related cyber ethics and law. *Ethics agreement must be signed by all students and parents during the first 2 weeks of class

Number of credits: 1

Required course Elective course

Target student population: This course is designed for students interested or currently following a Computer Science pathway.

Prerequisites: Intro to Programming & Intro to DC Circuits

Describe how this new or revised course aligns with the curriculum scope and sequence and/or career pathways. Why should this course be offered?

The focus and benefits of this course:

- This course is a STEM course that offers a chance for students to work with a hands-on approach to cybersecurity and computer networking.



- Cybersecurity is about communicating your findings, managing teams and tasks, and being creative. Our country needs individuals with cybersecurity skills at all levels of every organization, in all industries, from finance to healthcare to entertainment.
- Students will learn how to avoid the dangers of online threats and protect themselves from cyberattacks through learning how to spot malware and other threats.
- Students will gain an understanding of the impact of a data breach and will learn how to create an emergency response plan and design a security infrastructure that protects their systems and data. This includes identifying potential risks, assessing the impact of an incident, and creating a recovery timeline.
- The demand for cybersecurity professionals is growing, and certification in the field can provide them with a competitive edge when seeking employment. The average salary for a cyber security professional is higher than the average salary for other tech jobs. Students will have the opportunity to earn a certification in cybersecurity.

Include any data that supports the need for this course (i.e. student survey, ACT Aspire, ACT plus Writing, iReady, Wisconsin Forward Exam, PALS, labor market information, etc.).

Currently, the demand for cybersecurity talent is outpacing the supply. According to NICCS (NATIONAL INITIATIVE FOR CYBERSECURITY CAREERS AND STUDIES), “There are over 570,000 open cybersecurity positions available in the U.S. and over 3.4 million open positions worldwide.” With the increase of cyber attacks not only to our businesses, but also to our schools, the need for cybersecurity professionals has increased exponentially.

List costs associated with offering this course. Include staffing, textbooks and materials, equipment, and staff training.

No textbooks, materials, equipment, or staff training would be needed for this course.

Course of Study Guide

2024-2025

Little Wolf High School



515 E. Fourth Street
Manawa, WI 54949
(920) 596-5800

“Creating solid foundations for lifelong success.”

Approved by the School District of Manawa Board of Education 01/17/2022

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Welcome to Little Wolf High School!

During high school, students are preparing for a more advanced curriculum while continuing to strengthen basic skills. It is our intention that this Course of Study Guide helps you gain a general understanding of the type of learning experiences you may participate in throughout the course of high school.

It is **your responsibility** to ensure that you have enough credits to graduate and that you have satisfied all LWHS requirements. You should check your credits at the beginning of each school year. Students planning on post-secondary education must meet with the School Counselor annually to make certain requirements are being met for acceptance to these institutions.

Students interested in discussing the option to drop/add a course, should meet with the school counselor and receive parent permission PRIOR to the start of the school year.

Your involvement in your education plays an important role in your success in school. Please feel free to contact your teachers, school counselor, or school administrators if you need assistance. They look forward to working with you during your high school experience.

Non-discrimination Clause

NONDISCRIMINATION AND ACCESS TO EQUAL EDUCATIONAL OPPORTUNITY

The Board is committed to providing an equal educational opportunity for all students in the District.

The Board does not discriminate on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including transgender status, change of sex or gender identity), or physical, mental, emotional, or learning disability ("Protected Classes") in any of its student program and activities.

This policy is intended to support and promote nondiscriminatory practices in all District and school activities.

School District of Manawa, Policy 2260, updated September 2021

Wolf Pride



“Creating solid foundations for lifelong success.”

~Tips for School Success~

- ❖ Arrive to class on time with appropriate materials (pen, pencil, notebook, textbooks, folder, Chromebook, etc.).
- ❖ Participate in classroom activities (be a good listener, respect the views of others).
- ❖ Take notes to assist in studying and test taking. Maintain notes in an orderly manner throughout the course.
- ❖ Attendance is crucial to academic success – set a goal for perfect attendance.
- ❖ Need help? Seek out teachers, counselors, or administrators for assistance. Teachers are available during their prep periods and before and after school.
- ❖ Don't procrastinate! Keep up with your studies. Turn in work on time.
- ❖ Know school procedures and policies contained in the school handbook, as well as the Co-curricular Code of Conduct if an athlete.
- ❖ Be involved in school activities, clubs and organizations.
- ❖ Parents – stay involved with your child. Please attend Parent/Teacher Conferences and student co-curricular activities. Also, provide a quiet study space at home that is free from interruptions.

Graduation Requirements

A Little Wolf High School diploma shall be granted upon successful completion of a total of **25 credits for the Class of 2025** and beyond in grades 9 through 12 to include:

- English 4.0 credits
- Social Studies 3.0 credits
- Mathematics 3.0 credits
- Science 3.0 credits
- Physical Education 1.5 credits*
- Health Education 0.5 credits
- Financial Literacy/Employability Skills 0.5 credits
- Elective Courses 9.5 credits

Grade Level Requirements

Students in the 2024-2025 school year are required to have earned a minimum of:

- 6 credits to be considered a sophomore
- 12 credits to be considered a junior
- 18 credits to be considered a senior
- 25 credits to graduate

High school graduation requirements may be different from the entrance requirements for specific colleges and universities. The requirements listed above are the minimum requirements for students to be eligible for admission to these institutions. Students are encouraged to exceed these minimum requirements and to challenge themselves by taking rigorous courses, including Advanced Placement courses, to be competitive in the collegiate admission process.

Weighted/Laude Grading System

Why Weighted GPA?

The purpose of the weighted GPA is to recognize students for the rigor of their academic program as well as their success in that program.

Will Colleges Accept This System?

Yes. Without the indicator of rank, admissions officers will need to look closer at applicants and consider the following:

- Rigor of Curriculum
- Test Scores
- Recommendations
- High School Record
- Talents & Activities
- Personal Essays
- Other Qualifying Factors

Qualifications for Recognition

This system replaces the Laude rank system. Class rank will not be routinely provided to colleges for admissions purposes. The transcript will report the student's cumulative weighted GPA. It rewards students for **completing** designated rigorous courses.

AP Scholar Cord: AP score of 3+

Honors Cord: Weighted GPA of 3.5 to 3.7499

Cum Laude (*With honor/distinction*):

Weighted GPA of 3.75 to 3.999

Magna Cum Laude (*With great honor/distinction*): Weighted GPA of 4.0 to 4.2499

Summa Cum Laude (*With highest honor/distinction*): Weighted GPA of 4.25 or higher

Youth Apprenticeship Cord: All completers

Academic Excellence Scholarship:

Refer to language spelled out in Board Policy 5451.01

Graduation Speakers:

Four seniors will be allowed to speak during the graduation ceremony:

- Valedictorian (student with the highest GPA)
- Salutatorian (student with the second highest GPA)
- The senior class president.
- A senior from the highest weighted GPA group selected by the faculty based on scholarship, leadership, service & character

The following is a listing of weighted courses.

- Advanced Placement Courses & CAPP English
- American Literature & College Prep English
- Economics
- Physics
- Human Biology
- Biology 2
- Chemistry
- Pre Calc/Trigonometry
- Statistics
- Animal Science TC/Ecology TC
- Foreign Language 3 & 4
- Art 4 (*Senior year only, 8th year*)
- Band and/or Choir (*Senior year only, 8th year*)
- Robotics 1 & Robotics 2
- Programming 2
- Furniture & Cabinetry 2 and/or Metals 2
- SMAW & GMAW Welding TC
- All Dual Credit Classes (*TC, SCN, FVTC, NWTC, NTC*)
- Independent Study
- Youth Apprenticeship

New Weighted Grade Scale

Grade	AP/CAPP	Honors	Un-weighted
A+	5.3	4.8	4.3
A	5.0	4.5	4.0
A-	4.7	4.2	3.7
B+	4.3	3.8	3.3
B	4.0	3.5	3.0
B-	3.7	3.2	2.7
C+	3.3	2.8	2.3
C	3.0	2.5	2.0

Anything below a C grade is below 3.0.

Four Year Course Planning Worksheet

25 Credits Required for Graduation

FRESHMAN		SOPHOMORE	
English 9	1	World Literature 10	1
US History	1	World History	1
Biology	1	Physical Science	1
Math: Choose	1	Math: Choose	1
P.E. I Health	.5 .5	P.E.	.5
Up to 2 elective credits	1-2	Up to 3 elective credits	2-3
MUST TAKE AT LEAST 6 CREDITS	6	MUST TAKE AT LEAST 6 CREDITS	6
JUNIOR		SENIOR	
Course Name	Credits	Course Name	Credits
English 11, American Literature 11 or A.P. English-Literature and Comp.	1	English 12, College Prep English or CAPP English.	1
Chemistry, Biology 2, Physics, Earth Science	1		
Math: Choose	1	Employability Skills Financial Literacy	.5
Global Studies Government	.5 .5	Up to 4 Elective Credits	
P.E.	.5		
Up to 3 Elective Credits			
MUST TAKE AT LEAST 6 CREDITS	6	MUST TAKE AT LEAST 6 CREDITS	6

* If you take a Study Hall, this counts as a class and decreases your elective credits by 1.

University of Wisconsin System

Students must meet the following minimum requirements in order to be eligible for admission:

English 4 credits

Mathematics 3 credits (Pre Algebra, Algebra, Geometry & Algebra)

Science 3 credits

Social Studies 3 credits

Electives/Language 4 credits

Two years of a single foreign language are required for admission to UW-Eau Claire and UW-Madison, and strongly recommended at other UW System campuses.

Nation's Top Universities

Students must meet the following minimum requirements in order to be eligible for admission:

English* 4 credits

Mathematics 4 credits

Science 3-4 credits

Social Studies** 3 credits

World Language*** 3-4 credits

*Intensive work in writing

**Includes American & European History

***At least one world language

Rigorous courses should be taken, including AP level when possible, and SAT or complete ACT achievement tests administered by the College Board.

Wisconsin's Technical Colleges

The following are recommended high school credits for adequate, comprehensive preparation for success in technical college programs:

English 4 credits

Mathematics 3 credits

Science 3 credits

Social Studies 3 credits

Technical Courses 3-4 credits

Technical college programs have admission standards, and some programs have waiting lists. Apply early and seek your counselor's advice regarding your chosen program.

Wisconsin's Private Universities

Students must meet the following minimum requirements in order to be eligible for admission:

English 4 credits

Mathematics 3 credits

Science 3 credits

Social Studies 3 credits

World Language 2 credits

Considerations for admission include either ACT or SAT scores and grades earned within the context of courses taken, as well as the challenge level of the courses.

Academic and Career Planning, or ACP, is a student-driven, adult-supported process in which students create and cultivate their own unique and information-based visions for post-secondary success, obtained through self-exploration, career exploration, and the development of career management and planning skills.



What is ACP?

An **ongoing process** to actively engage students to:

- * Develop an understanding of his or her self
- * Create a vision of his or her future
- * Develop individual goals
- * Prepare a personal plan for achieving the vision and goals

A **product** that documents and reflects students':

- * coursework, learning and assessment results
- * post-secondary plans aligned to career goals & financial reality
- * record of college and career readiness skills.

Transcripted Coursework



Transcripted Credit (TC)

- Through a memorandum of understanding and a “wash” contract between L.W.H.S. and F.V.T.C., students take a F.V.T.C. course taught by a WTCS certified high school teacher at Little Wolf High School.
- The curriculum is devised by FVTC and the student is registered in both the high school and FVTC course.
- The student receives a grade from the high school as well as from FVTC and is posted on an official FVTC transcript.
- The high school maintains the student record; FVTC also maintains its own student record.

For more information: www.fvtc.edu/techprep

Little Wolf High School courses:

Transcripted Credit

- Animal Science/Veterinary Medicine 3 **TC**
- Ecology 2 **TC**
- Shielded Metal Arc Welding (SMAW) Techniques 1 **TC**
- Gas Metal Arc Welding (GMAW) Techniques 1 **TC**

NCAA Divisions I and II Initial-Eligibility Requirements

Core Courses

- **NCAA Division I requires 16 core courses. NCAA Division II currently requires 16 core courses.**
- **NCAA Division I will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below).
 - It is possible for a Division I college-bound student-athlete to receive athletics aid and practice with the team if he or she fails to meet the 10-course requirement but will not be able to compete.

Test Scores

- **For students enrolling 2022-2023**, test scores are excluded from initial eligibility requirements due to COVID-19
- Colleges and/or scholarship programs may still require test scores.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The **Division II** core GPA requirement is a minimum of 2.2000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

DIVISION I

16 Core Courses, 4 years English, 3 years of mathematics (Algebra 1 or higher), 2 years of natural/physical science (1 yr of Lab if offered by High School), 1 year of additional English, mathematics or natural/physical science, 2 years of social sciences, 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

DIVISION II

16 Core Courses, 3 years English, 2 years of mathematics (Algebra 1 or higher), 2 years of natural/physical science (1 yr of Lab if offered by High School), 3 years of additional English, mathematics or natural/physical science, 2 years of social sciences, 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

English – 4 credits

The English curriculum is designed to stress skills in reading, writing, listening and speaking. Units of study include literature units such as short stories, novels, drama and writing units such as expository writing, personal writing, and research paper.

Recommended Sequence of Available English Courses			
Required Grade 9	Required Grade 10	One is Required Grade 11	One is Required Grade 12
English 9	World Literacy 10	English 11	English 12
		American Literacy 11	College Prep English 12
		A.P. English & Composition	CAPP English 12

Course Descriptions

English 9 – *required* – This is a one credit course for all freshmen. Students will read, analyze, and discuss a wide variety of literature and nonfiction. Informative, creative, persuasive, and research writing will be expected, and the writing process will be utilized. Vocabulary, speaking, and grammar/editing skills are practiced throughout the semester. Students are heterogeneously grouped and exposed to a broad range of language arts and communication skills. Some material will coincide with the 9th grade American History curriculum.

1 Credit Grades: 9 Prerequisite: None

World Literature 10 – *required* – This one credit course is for all sophomores. Students will engage in the reading of works from a variety of places and perspectives to understand how universal themes span culture and time periods. Informative, persuasive, analytical and research writing will be expected, and the writing process will be utilized. Vocabulary, speaking, and grammar/editing skills are practiced throughout the semester. Students are heterogeneously grouped and exposed to a broad range of language arts and communication skills. Some material will coincide with the 10th grade World History curriculum.

1 Credit Grades: 10 Prerequisite: English 9

English 11 - one choice of three for junior students — This one credit course is designed to meet the needs of those students who do not intend to pursue further education at a four-year university after high school. This course presents an integrated reading and writing curriculum with traditional and modern American literature selections and associated writing assignments and essays. Students read and learn about stories, poems, plays, novels, themes, and authors in a historical context. Communication, language, and vocabulary usage skills will be emphasized. Individual and group projects and ACT test preparation/practice will also occur throughout the year.

1 Credit **Grades: 11** **Prerequisites:** **English 9 &
World Literature 10**

American Literature 11 – one choice of three for junior students — This one credit course is designed to meet the needs of those students who will not be taking AP English coursework. Students will read, analyze, and discuss short stories, essays, poems, and a play from an American Literature anthology, as well as at least two additional novels. Author information, historical connections, literary terms, and vocabulary will also be discussed in context. Writing tasks include a theme-based essay, documented author essay, and a detailed character sketch. Individual and group projects and ACT test preparation/practice will also occur throughout the year.

1 Credit **Grades: 11** **Prerequisites:** **English 9 &
World Literature 10**

A.P. English-Literature and Composition --one choice of three for junior students-- “The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works” (College Board AP English Literature and Composition Course Description).

NOTE: Students may receive credit/advanced course placement at a 4-year college/university by scoring a 3, 4, or 5 on the A.P. Literature and Composition test. The A.P. test is offered at Little Wolf Jr./Sr. High School. Cost is approximately \$93.00. Students who plan to take both A.P. Literature and Composition and A.P. Language and Composition are encouraged to check with any college or university they plan to attend to verify whether that school will allow credit for two A.P. English courses.

1 Credit **Grades: 11-12** **Prerequisite: World Literature 10 (Grade of A)**

English 12 – *one choice of three for senior students*. This on credit course is designed to meet the needs of students who will not be taking CCAP or College Prep English Coursework. This course is focused for students who plan to enter the workforce or an apprenticeship program at a technical college. Students will practice basic narrative, informative, and research writing, as well as, strengthen reading skills. This will also include resume writing, job application, and other workplace writing and communication skills. Vocabulary and grammar/editing skills for workforce application will be emphasized. Reading will consist of both fiction and informational text throughout the course.

1 Credit **Grades: 12** **Prerequisite: English 11 (or)**
American Literature 11 (or)
A.P. English Lit. & Composition

College Prep English 12--*one choice of three for senior students* -- This one credit course is designed to prepare students for post-secondary training at a four-year university or for a two-year technical college. Integrated reading and writing skills will be the focus, as well as higher level speaking, vocabulary, and critical thinking skills. Various study and note-taking skills important for the college-bound student will be introduced and practiced. A research paper covering a future career will be developed practicing both MLA and APA citation format. Reading will focus on informational text and fiction, with an emphasis on annotation and close reading skills. In addition, guidance and support will be offered to assist students with the transition between high school and college.

1 Credit **Grades: 11-12** **Prerequisite: American Literature 11 (or)**
A.P. English Lit. & Composition

CAPP English 101 (Dual Credit College Course) --*one choice of three for senior students*--**1.5 Laude Points** -CAPP English focuses on rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in fiction and nonfiction texts alike. This course will prepare students for college and will earn them 3 credits equivalent to college English at over 100 Universities nationwide, including all the UW system campuses. **There is a reduced college tuition cost for this course as college credit is awarded. Students will be enrolled at UW Oshkosh.

1 Credit **Grades: 11-12** **Prerequisite: American Lit. 11 (Grade of A) (or)**
A.P. English Lit. & Composition
(Grade of B or better)

Recreational Literature- Designed for non-college bound students (not a college preparatory class) To encourage readers to value literature as a leisure activity, students select and read eight-ten books within specified literary genres (both fiction and nonfiction) approved by instructor. In addition to keeping a reading log, each book requires the completion of a final project. This course is provided through Erving.

0.5 Credit Grades: 11-12 Prerequisite: None

Written or Oral Communication- This course is provided through Erving

0.5 Credit Grades: 11-12 Prerequisite: None

Oral/Interpersonal Communication: The communication process, perception, and self-concept, language, listening, nonverbal communication, interpersonal relationships, communication in groups and public communication; prepare and deliver an oral presentation. This is provided through Erving (NTC & NWTC)

3 Credits Grades 11-12 Prerequisite: None

Oral/Interpersonal Communication: Explore the complexity of communication with individuals and groups and improve your most important employment skills. This is provided through Erving (NTC)

3 Credits Grades 11-12 Prerequisite: None

Speech: You will learn how economists examine the choices that individuals, governments and countries make and the outcomes of those decisions.

3 Credits Grades 11-12 Prerequisite: None

Mathematics – 3 Credits

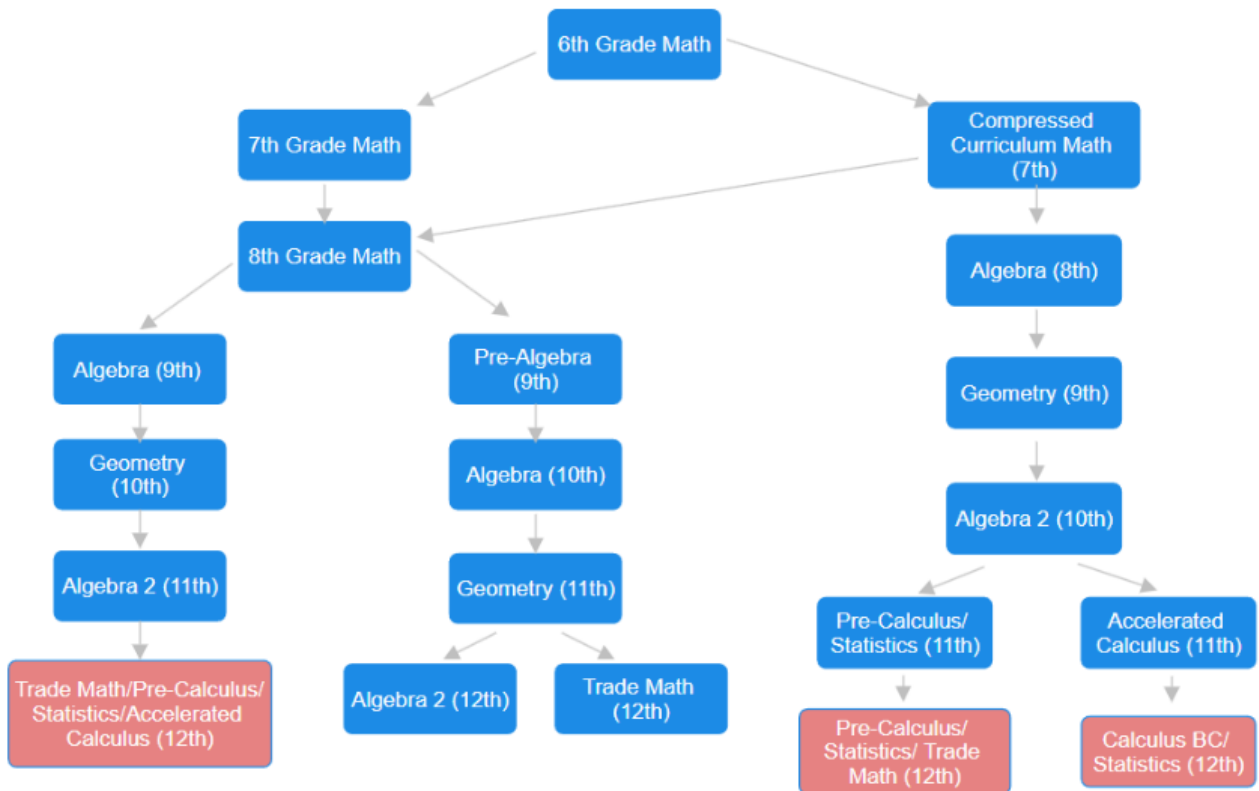
The mathematics curriculum expands upon students' previous learning in a continuous sequence of courses focusing on advancing the students' mathematical skills in the areas of problem solving, reasoning and critical thinking.

Recommended Sequence of Available Math Courses			
Required Grade 9	Required Grade 10	One is Required Grade 11	Grade 12
Pre Algebra/Algebra (or)	Geometry (or)	Geometry (or)	Geometry
Geometry	Algebra/Advanced Algebra (or)	Advanced Algebra (or)	Advanced Algebra
	Trade Math	Trade Math (or)	Trade Math
		Pre-Calculus & Trigonometry (or)	Pre-Calculus & Trigonometry (or)
		Statistics	Statistics
		A.P. Calculus AB	A.P. Calculus AB

NOTE: All students who qualify to take Algebra in their 8th grade year will be granted one credit on their high school transcript. The grade earned for this course is not part of the high school grade point average (GPA), but is counted towards the overall graduation credit requirement. Failure to earn a grade of a B- or higher for both semesters will require the student to retake Algebra as a freshman. However, this credit does not preclude the student from taking an additional three credits of mathematics while in high school.

Freshmen, Sophomores, & Juniors must have a minimum of 1 credit of Math per year.

Addition-Math Educational Pathway Options



*Blue boxes represent math classes that are mandatory for a pathway

*Red boxes represent math classes are electives at the end of a pathway

Course Descriptions

Course Addition

Pre Algebra 1 – This course is designed to fill learning gaps of students who are identified as needing it as 8th graders. It will be in a small group class that will focus on foundational skills in order to make them successful in Algebra as sophomores. Students in this course will be required to take three more math classes in high school: Algebra, Geometry, Advanced Algebra (or Trade Math).

1 Credit **Grade: 9** **Prerequisite: None**

Algebra 1 – This course is designed to introduce the student to the topics needed to go into the upper level Algebra courses. It stresses rational expressions and problem solving with variables, number sets and real numbers, solving linear equations, graphing linear equations, writing linear equations, solving and graphing linear inequalities, systems of linear equations and inequalities, exponential functions, polynomials and factoring, rational expressions and equations, matrices, and radicals.

1 Credit **Grade: 9** **Prerequisite: None**

Geometry – A logical approach to the study of real objects and shapes: i.e. parallel lines, triangles, circles, solids, etc. Emphasis is placed on algebraic applications.

1 Credit **Grades: 9-11** **Prerequisite: Algebra**

Algebra 2 – Extends the student's knowledge of the real number systems and operations with complex numbers. It will develop the student's knowledge of conic sections, polynomial functions, rational expressions, exponential and logarithmic functions, sequences and series, discrete mathematics, and trigonometric functions. It gives the students a degree of understanding that helps them become more proficient in many lines of work. **NOTE: This course is required for college and university admission.**

1 Credit **Grades: 10-12** **Prerequisite: Geometry**
(Recommend grade of C or better)

Trade Math – Intended for students considering attending a technical college or the world of work. Focuses on math skills needed for various trades. Topics include arithmetic fundamentals, percent and proportion applications, the metric system, conversions, practical geometry, measurement applications, signed numbers and formula evaluation. Micrometer, equation solving, and standard rule measurement units are included as needed. Scientific calculator use is introduced as needed.

1 Credit **Grades: 11-12** **Prerequisite: Geometry**

Pre-Calculus & Trigonometry – Prepares students for college mathematics. The basic structure of this course is built around the study of functions, their properties, graphs and applications in society. Functions included in this course: linear, polynomial, rational, trigonometric, exponential and logarithmic. Also included in this course is the study of polar coordinates and complex numbers, sequences and series, and probability. The purchase of a graphing calculator is highly recommended for this course. A TI-83 or TI-84 calculator is required. **A TI-89 is not allowed.**

1 Credit **Grades: 11-12** **Prerequisite: Advanced Algebra**
(Recommend grade of C or better)
Or (by teacher approval)

Statistics – Students will learn how to collect, organize, display and interpret data and information. Students will also learn basic probability skills and how to apply it to data. This is a college prep course.

1 Credit **Grades: 11-12** **Prerequisite: Advanced Algebra**

A.P. Calculus AB – Equivalent to a first semester college calculus course. The basis of study includes limits and continuity, derivatives, integrals, and the applications. A TI-83 or TI-84 calculator is required. **A TI-89 is not allowed.**

NOTE: Students may receive credit/advanced course placement at a 4-year college/university by scoring a 3, 4, or 5 on the A.P. AB Calculus test. The A.P. test is offered at Little Wolf Jr./Sr. High School. Cost is approximately \$93.00.

1 Credit **Grades: 11-12** **Prerequisite: Pre-Calculus & Trigonometry**
(Recommend grade of B or better)
Or (by teacher approval)

College Tech Math 1A- Topics include solving linear equations; graphing; percent; proportions; measurement systems; computational geometry; and right triangle trigonometry. Emphasis will be on the application of skills to technical problems. This is provided through Erving

0.5 Credit **Grades: 11-12** **Prerequisite:**

College Tech Math 1B- Topics include: performing operations on polynomials; solving quadratic and rational equations; formula rearrangement; solving systems of equations; and oblique triangle trigonometry. Emphasis will be on the application of skills to technical problems. This is provided through Erving

0.5 Credit **Grades 11-12** **Prerequisite:**

Science – 3 Credits

The science curriculum introduces and explores various concepts in the areas of life, earth & space, and physical science. One credit from each of the disciplines is required.

Recommended Sequence of Available Science Courses			
Required Grade 9	Required Grade 10	Required Grade 11	Required Grade 12
Biology 1 AND	Physical Science AND	Chemistry (or)	Earth & Environmental Science (or)
Engineering (or)	Earth and Environmental Science AND/or	Physics (or)	Human Biology (or)
Earth and Environmental Science	Biology 2 (or)	Earth & Environmental Science (or)	Chemistry (or)
	Animal Science (TC) AND/or	Engineering (or)	Engineering (or)
	Ecology (TC)	Human Biology (or)	Physics (or)
		AP Biology (or)	AP Biology (or)
		Ecology (TC)	AP Chemistry (or)
		Animal Science (TC) (or)	Ecology (TC)
			Animal Science (TC) (or)

Has a pre-requisite that is an elective	Technical College/Scripted course	Alternate every other year
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Course Descriptions

Biology 1 – required – Biology is the study of life. Lab work will be included to develop critical thinking and organizational skills. Units covered include, but are not limited to: The scientific method, ecology (principles, biomes, population biology, natural resources), cells (biochemistry, structure/function, mitosis), genetics (meiosis, genes, chromosomes, DNA, heredity), and the theory of evolution by natural selection.

1 Credit

Grades: 9-12

Prerequisite: None

AP Biology – AP Biology is a laboratory science class designed to simulate the first semester, introductory Biology class at any college or university. For most students, this course enables them to take the second semester of Biology for any science related major, or fulfill the science requirement for non-science majors. This course is approved by the College Board. As such it is based on the 6 Big Ideas and seven science practices outlined in the curriculum framework. We will study the core scientific principles, theories, and processes that govern living organisms and biological systems. You'll do hands-on laboratory work to investigate natural phenomena.

1 Credit **Grades 10-12** **Prerequisite: Biology 2 (B or better)**

Earth & Environmental Science – A laboratory-oriented course designed to introduce the student to the structure and function of Earth processes. The main topics of study will include geology, astronomy, meteorology, oceanography and the science of the environment.

1 Credit **Grades: 10-12** **Prerequisite: None**

Physical Science – Designed to expose students to various scientific concepts. The goal is science literacy. The units covered include but are not limited to: basic chemistry (the nature of matter and the changes in matter) and basic physics (motion and energy). Students will learn problem-solving skills and will be shown how science relates to their lives. Lab work is required.

1 Credit **Grades: 10-12** **Prerequisite: Biology 1**

Chemistry 1 – A laboratory-oriented course designed to study the working of chemical reactions meant for students intending to attend a college or university. Labs are practical in nature and focus on applying concepts learned in class. An understanding of Algebra is essential to understand chemistry. Units covered include data analysis, matter, atomic structure, periodic table, compounds and chemical bonds, chemical reactions & equations, mole concept and stoichiometry, solution chemistry, and acids & bases.

1 Credit **Grades: 11-12** **Prerequisite: Biology 1 &
Beginning Algebra
(Recommend grade of c or better)**

AP Chemistry - AP Chemistry is a laboratory science class designed to simulate the first semester, introductory chemistry class at any college or university. For most students, this course enables them to take the second semester of chemistry for any science related major or fulfill the science requirement for non-science majors. This course is approved by the College Board. As such it is based on the 6 Big Ideas and seven science practices outlined in the curriculum framework. AP Chemistry is open to all students that have completed chemistry with a C or better and who wish to take part in a rigorous and academically challenging course.

1 Credit **Grades: 11-12** **Prerequisite: C or better in Chemistry 1**

Biology 2 – Biology 2 is a continuation of Biology 1. The organization of life and the six-kingdom classification system (Taxonomy) will be explored in depth starting with lower life forms and working up to animals. Labs will have an emphasis on identification and dissection of several species.

1 Credit **Grades: 10-12** **Prerequisite: Biology 1 &
Physical Science (or)
Chemistry
(Recommend grade of C or better)**

Human Biology- This course presents the structure and function of the human body. Practical use of medical terminology as applied to and identifying organ systems, organs and what they do, pathology, treatments and specialists in medical fields. Students will be required to participate in lab exercises, lab practicals, quizzes and exams. This course includes a laboratory component and meets graduation requirements for science.

NOTE: Students are encouraged to purchase The Language of Medicine: 8th Edition, by Chabner (ISBN: 9781416034926), new or used, for note taking and for future use.

1 Credit **Grades: 11-12** **Prerequisite: Biology 1 &
Physical Science
(Recommend grade of B or better)**

Physics 1 – A laboratory-oriented course designed to investigate the physical aspects of our universe and meant for students intending to attend a college or university. Topics studied in the first term include science principles, laws of motion, Newtonian mechanics, and non-relativistic gravity. The second term will explore rotational motion, momentum, energy, work, simple machines, and fundamentals of electromagnetism.

1 Credit **Grades: 11-12** **Prerequisite: Algebra 1 &
Geometry (or)
Biology 1 (or)
Physical Science
(Recommend grade of B or better)
(Recommend Algebra 2)**

Engineering - This course is designed to introduce students to the various types of engineering through hands-on activities and challenges. Students will learn about the Engineering Design Process and will apply it to various engineering projects that include 3D printed models, laser-cut products, and automated solutions using Arduino and Raspberri Pi microcontrollers. Students will use higher-level problem-solving skills to devise solutions to real-world problems. The course standards and skills allow students to earn a credit in science.

1.0 Credit **Grades: 10-12** **Prerequisite: Intro to Programming & Intro to DC Circuits**

Animal Science TC – This class is designed for the person interested in animals. Students will learn about livestock, agriculture, and pets. Students will develop a basic understanding of animal nutrition, genetics, reproduction, and care. Guest speakers, demonstrations, job shadows, field trips, and experiential learning are designed as part of this course. Students will also have the opportunity to bring in and incorporate their own animals into the class. FFA projects will be incorporated. This course is articulated with Fox Valley Technical College for Transcribed Credit.

1 Credit **Grades: 10-12** **Prerequisite: Biology 1 (with C or above)**

Astronomy- Astronomy deals with the matter and energy in the universe. We will cover various topics including early astronomy, space exploration, the solar system, search for extraterrestrial life, stars and constellations to name a few. This course allows students to choose from a variety of assignments that are geared toward their interest and ability level to learn the content. The course includes computer simulations, labs, night sky observations and visits to the UWSP planetarium. This is provided through Erving

1 Credit **Grades: 9-12** **Prerequisite: None**

Ecology TC- - This class examines the relationships and interrelationships of living organisms in their environment. Students study natural selection and speciation, environmental conditions, populations and competition, succession, energy flow and biogeochemical cycles, and the diversity of ecosystems.

1 Credit Science (or Elective)
plus 2 credits at Fox Valley Technical College with C or above grade.
Grades: 11-12 **Prerequisite: C or Above in Biology 1**

Anatomy & Physiology-(provided by Erving) A concentrated course on human anatomy and physiology that demands focused study and preparation in anatomy and physiology. Students should be prepared to take quizzes and tests both on MOODLE and Paper Copy. Most Labs are virtual as we are in an ERVING classroom. Topics Include: *skeletal and muscles *nervous system *cardiovascular *endocrine system. This is provided through *Erving*.

0.5 Credit Grades 11-12 Prerequisite: The students need to have an A or B in Biology with an understanding that there will be 3-6 hours of study per week.

Medical Terminology- In medical terminology students will learn the component parts of medical terms such as prefixes, suffixes and word roots. Students will learn the rules for building and defining medical terms. Emphasis is placed on the correct spelling of the terms. Students will practice formation, analysis and reconstruction of medical terms. Students will be introduced to diagnostic, therapeutic, symptomatic, and surgical terminology for the body systems. This is provided through Erving

**0.5 HS Credit Grades 11-12 Prerequisite: None
3 FVTC or NTC Credits**

Body Structure & Function- A full-year study in the structures and functions of the human body systems. Units studied include basic biochemistry, cytology, histology and twelve systems of the human body. Several animal dissections are part of the lab component, including the dog shark, white rat and domestic cat. Organ dissections of the heart and kidney are also presented. Virtual labs are also used for higher level understanding. This course would be of special interest to students interested in health and animal sciences. It is offered as Dual Credit through the NTC campus in Wausau. All Tests are taken on the CANVAS learning platform. Students must earn a grade of B or higher to receive the dual credit from the technical college. Students earning a passing grade less than a B will only receive the high school credit. This is provided through Erving

**1 HS Credit Grades: 10-12 Prerequisite: Biology with a B or higher
3 NTC Credits Recommendation from Teacher/Counselor**

Intro to Environmental Studies- This course presents an overview of the interrelationships between humans and the environment. The material presented in the first one-third of the course focuses on important ecological concepts. The remainder of the course deals with human influence on the environment. The ecological concepts are used throughout to identify, understand, and provide a basis for proposing possible solutions to contemporary environmental problems. Overall, this course will provide the student with a better understanding of how humans can more positively affect the environment in which they live. Students will need access to the internet, email and the University's course management system Canvas. Designed to apply toward the UWRF general education Ethical Citizenship requirement. This is provided through Erving (UWRF)

3 Credits (college)

Grades: 11-12

Prerequisite: None

Intro to Health Careers- As a student, you will learn more about professionalism in a hospital or clinic setting along with communication skills it takes to work with a variation of health professionals in a busy workplace. Students will also learn the importance of patient privacy and confidentiality and why it is so important for you to know. This course will allow you to explore the job descriptions of several health careers while learning the personal characteristics needed to be successful in those careers and the career planning necessary when entering the field of medicine. This is provided through Erving (NTC)

3 Credits (college).25 HS credits

Grades: 11-12

Prerequisite: None

Customer-Focused Caregiving- Do you want to learn more about customer service? This two credit on-line course will allow you to learn how healthcare workers function professionally in the healthcare setting. Also, this course will allow you to understand how passionate communication fosters healing of the human body. This is provided through Erving (NTC)

2 Credits (college) .5 HS credits

Grades: 11-12

Prerequisite: None

Culture of Healthcare- Prepares learners to work in the healthcare environment as part of a healthcare team. Learners will investigate the healthcare community, patient privacy standards, and the professional behavior that is expected in today's medical community. Learners will examine various aspects of verbal and written communication skills, customer service principles, and problem solving techniques necessary to be a vital member of the healthcare workforce. This is provided through Erving (NWTC)

2 Credits (college) .25 HS credits

Grades: 11-12

Prerequisite: None

Digital Literacy for Healthcare- Provides an introduction to basic computer functions and applications utilized in contemporary healthcare settings. Students are introduced to the hardware and software components of modern computer systems. This is provided through Erving (NWTC)

2 Credits (college) .5 HS Credits Grades: 11-12

Prerequisite: None

Social Studies – 3 Credits

The social studies curriculum strives to prepare young people to be humane, rational, participating citizens in an ever-changing world by understanding their historical roots and how past events shape their world today. Reconstructing and interpreting historical events provide needed perspective in addressing the past, the present, and the future.

Recommended Sequence of Available Social Studies Courses			
Required Grade 9	Required Grade 10	One is Required Grade 11	Grade 12
U.S. History	World History	Government	
		Global Studies	
		Sociology (or)	Sociology
		Economics (or)	Economics
		A.P. Psychology (or)	A.P. Psychology
		A.P.U.S. History	A.P. U.S. History

Course Descriptions

U.S. History – required – U.S. History is a survey class of the American experience in all of its dimensions. The American experience is one of the most unique chapters in human history. Democracy, internal expansion, race relations, free enterprise economy, rise to superpower status and our role in the post-Cold War world will be discussed during the semester. The class will be taught using a mix of chronological and thematic approaches for a better understanding of our history. We live in a country with a rich history that shapes the American experience we share today and will share in the future.

1 Credit

Grade: 9

Prerequisite: None

World History – required class - World History is concerned with the development of past civilizations, centering on Mesopotamian, Egyptian, Greek, Roman and the European Middle Ages, with an emphasis on their cultural development and contributions to present civilization. Linking the present to the past is an important aspect of the course as students learn to relate history to present events and developments. The course will include an introduction to the historical fictional novel and the research paper.

*This course is recommended for college-bound students.

1 Credit **Grade: 10** **Prerequisite: None**

Sociology – Sociology is the study of human social behavior, and concentrates on patterns of social relationships, primarily in modern societies. This class will explore the sociological point of view towards culture, socialization, social structure, groups and organizations, deviance and social control, social classes and inequalities. Also discussed will be topics such as high school cliques, family structures, education, political and economic institutions, and social collective behaviors. This class will ask students to take a personal look at the roles they play and what groups they associate with as well as evaluate parts of our society.

0.5 Credit **Grades: 11-12** **Prerequisite: None**

Economics - Economics will challenge the way you think and react to everyday events, with or without money. Economics is ultimately the study of scarcity and how people, markets and countries deal with limited resources at the personal and global levels. The first level quarter of study will focus on microeconomics, the study of how people make decisions and how those decisions affect others in the economy. Topics of study will include; trade offs, opportunity cost, different types of economies, supply and demand, profit maximizing prices and the role of government. At the end of the quarter, the class will switch to macroeconomics, the study of the economy. Topics of study will include; GDP, economic growth, money, banking, the Federal Reserve and international trade.

0.5 Credit **Grades: 11-12** **Prerequisite: None**

A.P. Psychology – AP Psychology is designed to introduce students to the scientific study of human behavior and mental processes. To accomplish this, the course provides instruction in each of the following 14 content areas: history and approaches, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. The intent of this course is to prepare students for the AP Psychology Test and will incorporate opportunities for performance-based assessments as well as free response questions.

NOTE: Students may receive credit/advanced course placement at a 4-year college/university by scoring a 3, 4, or 5 on the A.P Psychology test. The A.P. test is offered at Little Wolf Jr./Sr. High School. Cost is approximately \$93.00.

1 Credit Grades: 11-12 Prerequisite: None

A.P. U.S. History - - The AP program in US History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with US History events and issues. AP US History prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance and to weigh the evidence and interpretations presented in historical scholarship. An AP US History course should develop the skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

NOTE: Students may receive credit/advanced course placement at a 4-year college/university by scoring a 3, 4, or 5 on the A.P. U.S. History test. The A.P. test is offered at Little Wolf High School. Cost is approximately \$93.00.

**1 Credit Grades: 11-12 Prerequisite: U.S. History
(Recommend grade of B or better)**

Global Studies – required – Students may take this course in their 11th or 12th grade years. This course will focus on studying the culture of various regions around the world and the global connections of those cultural regions to our own and others around the world. The objectives and learning targets of this course will address two standards of the National Council for Social Studies Curriculum, as adopted by the School District of Manawa: 1-Culture and 9-Global Connections.

0.5 Credit Grades: 11-12 Prerequisite: None

Government – required – This portion of the course provides the student an opportunity to acquire detailed knowledge of the Constitutional Republic form of government practiced in the United States. The overall objective of this course is to prepare students for their place in society, by helping them learn how our government works, how it can be changed and what rights and freedoms our Constitution guarantees us. It will also provide students with a broad overview of modern forms of government, present in today’s global community. Finally, it will allow students to investigate and possibly participate in service-learning opportunities for hands-on experience of their civic responsibilities.

0.5 Credit Grades: 11-12 Prerequisite: None

Military History- The Military History course is designed to increase students critical thinking abilities by examining a number of famous battles and conflicts throughout history. Students will study the equipment, tactics, and strategies used in various conflicts from multiple perspectives. Students will examine primary source material in an effort to determine what really happened, and to gain a better understanding of the reliability, limitations, and usefulness of a source. This is provided through Erving

0.5 Credit Grades: 11-12 Prerequisite: None

Human Behavior- Human Behavior is a social psychology course, which explores common factors which stimulate a wide variety of human behaviors. Basically, it's a chance to gain an understanding of why we act the way we do, and why people react to us the way they do. The course is primarily a lecture with some project work. This is provided through Erving

.5 Credit Grades: 11-12 Prerequisite: None

Current Events- This class will deal with the major issues concerning both the United States and the world today. Students will learn about the differing perspectives held by people around the contemporary world. Emphasized in this class will be the relationship that the United States has with the rest of the world and the impact that has on American society. Also covered in this class will be current events focusing on American domestic issues as well as on foreign policy. Many of the topics covered in this class will change from semester to semester to encompass our ever-changing world. This is provided through Erving

0.5 Credit Grades: 11-12 Prerequisite: None

World Cultures- This course will be exploring the world and its cultures. The primary focus of the course will be through the lens of geography, whether we're learning about where different countries are throughout the world, their landscape, their resources, their culture, their food, and their customs. The course will cover each major region of the world and we'll be covering a broad examination of the region as you focus in each unit on a specific country, region, or group of people to research more thoroughly and then you'll share your findings with the class. This is provided through Erving

0.5 Credit Grades: 11-12 Prerequisite: None

Intro to American Government- This course introduces American political processes and institutions: focusing on rights/responsibilities of citizens and the process of participatory democracy. Examines separation of powers and checks/balances & the roles of different groups. This is through Erving

0.5 HS (Possibly 1) Credit Grades: 11-12 Prerequisite: None
3 NWTC Credits

Psychology- This course enables students to gain knowledge of such topics as perception, motivation, emotion, memory and thought, the brain and behavior, conflict, stress, personality, abnormal behavior and experimentation. A psychology course can help students better understand themselves and others. Any student who plans on any type of post high school training should consider this course. This is through Erving

0.5 Credit Grades: 11-12 Prerequisite: None

Intro to Diversity Studies- Basic American values of justice and equality by teaching vocabulary, history of immigration/conquest, transcultural communication, legal liability, multicultural majority/minority relations, ageism, sexism, gender, sexual orientation, the disabled/ADA. This is provided through Erving (NWTC)

3 Credits (college) 1 HS credit Grades: 11-12 Prerequisite: None

Intro to Diversity Studies- In this academic setting, patterns of current and historical relationships between different racial, ethnic, religious, disabled, gender, and LGBTQ+ populations are analyzed. Every informed opinion is welcome. Social Scientists have long been studying and discussing the importance of diversity. Come and experience a fun and challenging social science course where students often report, "I can't believe how much I learned!" This is provided through Erving (NTC)

3 Credits (college) 1 HS credit Grades: 11-12 Prerequisite: None

Developmental Psychology- Defines human development; examines theories; heredity and environmental effects; prenatal development and birth; evaluates biosocial, cognitive psychosocial development through the lifespan; aging, death, and dying.

3 Credits (college) 1 HS credit) Grades: 11-12 Prerequisite: None

World Language

The world language curriculum develops an understanding of the language, culture, history and literature of Spanish-speaking countries. Spanish courses strive to develop student proficiency in reading, writing, and speaking the language.

Recommended Sequence of Available World Language Course			
Grade 9	Grade 10	Grade 11	Grade 12
Spanish 1	Spanish 1	Spanish 1	Spanish 1
	Spanish 2	Spanish 2	Spanish 2
		Spanish 3	Spanish 3
			Spanish 4

Course Descriptions

Spanish 1 – Students learn the basics of the language: alphabet, vocabulary, sounds and structure. Culture is introduced as a background for language study. Basic conversation and reading are introduced.

1 Credit **Grades: 9-12** **Prerequisite: None**

Spanish 2 – The course is sequential to Spanish 1. Continued vocabulary and verb study follow but focus on past tenses. Writing skills become more complex. Conversation, reading, and writing skills continue to develop.

1 Credit **Grades: 10-12** **Prerequisite: Spanish 1**
(Recommend grade of C or better)

Spanish 3 - Conversation and writing skills are emphasized. While continuing to learn new vocabulary and advanced grammar, students now put into practical application what they have learned in the previous two years.

1 Credit **Grades: 11-12** **Prerequisite: Spanish 2**
(Recommend grade of C or better)

Spanish 4 – Continued conversational and writing skills are emphasized. More vocabulary and advanced grammar skills are added to proficiency level. A sampling of native Spanish literature is read.

1 Credit **Grade: 12** **Prerequisite: Spanish 3**
(Recommend grade of C or better)

French 1- It is the goal of this course to not only learn of the French language and culture but to use it! This course will establish basic French oral and written communication skills and knowledge of the French language and culture. This will be accomplished through the use of “hands on” activities including classroom drama, conversational skits, written composition, reading, music, and individual/group projects. Students will need to buy a specific French dictionary. This is a Blue Jeans class. Cost: \$350 per student, per semester for a total of \$700 for the year. This is through Erving (Full year)

1 Credit **Grades: 9-12** **Prerequisite: None**

French 2- This course will establish and improve French oral communication skills and also increase knowledge of the le monde Francophone. While utilizing a cultural framework of actual, everyday French activities and cultural items, the student will also increase grammar and writing skills by speaking every day! The goal of this course is to prepare students to “survive” in a French speaking country by communicating in the target language: French! Students will need to buy a specific French dictionary. This is a Blue Jeans class. Cost: \$350.00 per student per semester for a total of \$700.00 for the year. No textbooks This is through Erving

1 Credit **Grades: 10-12** **Prerequisite: French 1**

German 1

German 1

German 2

German 3/4 - <https://www.youtube.com/watch?v=JXAanyEY5P4> (Video Catalog) This is through Erving (Full Year)

1 Credit **Grades: 9-12** **Prerequisite: None**

Japanese 101- Study of language fundamentals with emphasis on development of listening and speaking skills. Practice with reading and writing. Japanese script (hiragana, katakana and kanji) is taught from the beginning of the course. Presumes no previous language study. University Studies Requirement Met: World Language, Culture, & Philosophy Offered: Fall, online and asynchronous. This is through Erving (UW Superior)

1 Credit **Grades: 9-12** **Prerequisite: None**

Japanese 102- Continuation of JAPA 101. Appropriate for someone with up to two years of high school Japanese. This is through Erving (UW Superior)

1 Credit **Grades: 9-12** **Prerequisite: Japanese 101**

American Sign Language- Relating to the deaf culture including non-manual grammatical markers, signing, fingerspelling, classifying and the technology related to deafness. This is through Erving (NWTC)

3 Credits College- .5-1.0 HS credits **Grades: 11-12** **Prerequisite: None**

Physical Education - 1.5 Credits and Health - .5 Credit

The physical education and health curriculum focus on understanding the human body, enjoying exercise, and maintaining a desirable level of physical fitness.

Recommended Sequence of Available Physical Education and Health Courses			
Both Required Grade 9	Required Grade 10	Grade 11	Grade 12
Physical Ed 1	Physical Elective (or)	Physical Elective (or)	Physical Elective (or)
Health	Personal Fitness	Personal Fitness	Personal Fitness
		Team Sports	Team Sports

Course Descriptions

Physical Education I – *required* – Freshman Course. Units covered are geared toward individual and team sports. The units covered are flag football, soccer, volleyball, basketball, weight training, fitness, badminton, softball, OMNIKIN, Tseball, Eclipse Ball, and floor hockey.

0.5 Credit **Grade: 9** **Prerequisite: None**

Health: A Wellness Decision – *required* – Designed to reinforce positive health attitudes and skills previously developed and to allow young people to assess the lifestyle decisions that contribute to wellness. Units of study within the course include positive ways of handling stress vs. negative ways of handling stress, addictions, your health history, sexuality and responsible behavior, self-care vs. the pill-fairy model, first aid and CPR.

0.5 Credit Grade: 9 Prerequisite: None

Physical Education Elective – Units are geared toward lifetime sports. Units covered are snowshoeing, cross-country skiing, golf, archery, badminton, bowling, pickleball, and fitness walking/principles. Team sports include flag football, volleyball, basketball, soccer, speedball, Tsegball, Eclipse Ball, floor hockey, and cooperative games. Guest speakers to promote careers in physical education are scheduled. This course may be taken more than one time. This is not a freshman course.

0.5 – 1 Credit Grade: 10-12 Prerequisite: Physical Education 1

Personal Fitness – Throughout this course, students will achieve a personal level of fitness through goal setting, participation, and knowledge of weight lifting. This course motivates a student to strive for optimal personal fitness, as well as create a self-awareness of lifetime wellness, with a final outcome of creating their own fitness program. Students will benefit from cardiorespiratory endurance activities and wide-ranging weight training exercises. Course includes lectures dealing with proper technique, 5 components of fitness, and the FITT principle, as well as teacher demonstration, weight training, aerobics, yoga, fitness walking, running, and other fitness activities. This is not a freshman course.

0.5 – 1 Credit Grades: 11-12 Prerequisite: Physical Education 1

Team Sports -Throughout this course, students will participate in a variety of team building activities, sports, and projects dealing with teamwork, problem solving, and strategizing. This course motivates a student to strive for leadership skills and critical thinking skills. Course includes *COMPETITIVE* play in units such as volleyball, basketball, football, Tsegball, Tchoukball, ultimate Frisbee, eclipse ball, baseball/softball, mat ball, OMNIKIN, soccer, speedball, etc.

0.5 – 1 Credit Grades: 11-12 Prerequisite: 11th or 12th Grade

Additional Physical Education Options:

- A student can take one-half credit of PLATO PE to meet physical education requirement
- A student can earn one-half credit of PE if there has been participation in marching band for at least three years
- A student can earn one-half credits of PE if letter in a varsity sport.

Agriculture

Agriculture courses are for any student who has an interest in animals, plants, food, leadership and/or the environment. Students who take agriculture courses experience many diverse and challenging topics. Twenty percent of all careers are directly related to agriculture. Experience premier leadership, personal growth and career success through courses in the agriculture department.

Recommended Sequence of Available Agriculture Courses			
Grade 9	Grade 10	Grade 11	Grade 12
Plants, Animals, and You	Plants, Animals, and You	Plants, Animals, and You	Plants, Animals, and You
Food Science	Food Science	Food Science	Food Science
	Leadership	Leadership	Leadership
		Independent Study	Independent Study
		Work Study	Work Study
		Youth Apprenticeship	Youth Apprenticeship
			Financial Literacy and Employability Skills (Req).
	Animal Science TC	Animal Science TC	Animal Science TC
	Ecology TC	Ecology TC	Ecology TC

Course Descriptions

Plants, Animals & You: Exploratory Agriculture – This introductory class covers a wide range of topics in agriculture, including animals, food, fiber, the outdoors, and leadership. This project-based class includes lessons on careers, food science, plants, pets, animals, biotechnology, business, and the outdoors. Emphasis will be on how agriculture relates to your daily life and your future. Field trips may be taken during the year. FFA projects will be incorporated.

1 Credit **Grades: 9-12** **Prerequisite: None**

Food Science – This course focuses on the science of production and processing of food. Learn about how food technology is changing agriculture. You will learn about careers and the science related to food. Create projects and research the history of food. Study everything from apples to zucchini, chocolate and cheese, and other tasty treats. This fast-growing career field is one to take a look at! FFA projects will be incorporated.

1 Credit **Grades: 9-12** **Prerequisite: None**

Animal Science TC – This class is designed for the person interested in animals. Students will learn about livestock, agriculture, and pets. We will learn about giving injections, suturing wounds, and general animal care. Students will develop a basic understanding of animal nutrition, genetics, reproduction, and health. Guest speakers, demonstrations, job shadows, field trips, and lab experiments are designed as part of this course. Students will also have the opportunity to bring in and incorporate their own animals into the class. FFA projects will be incorporated. This course is articulated with Fox Valley Technical College for Transcribed Credit.

1 Credit **Grades: 10-12** **Prerequisite: Biology 1 (with C or above)**

1 Science Credit or 1 Elective Credit

C or Above earns 3 credits at Fox Valley Technical College (transcribed credit)

Grades: 10-12 **Prerequisite: (Recommend Biology 1)**

Ecology TC- - This class examines the relationships and interrelationships of living organisms in their environment. Students study natural selection and speciation, environmental conditions, populations and competition, succession, energy flow and biogeochemical cycles, and the diversity of ecosystems.

1 Credit Science (or Elective)

plus 2 credits at Fox Valley Technical College with C or above grade.

Grades: 11-12 **Prerequisite: C or Above in Biology 1**

Leadership – Students will learn about leadership as it affects individuals, organizations, and systems in food, fiber, and natural resources enterprises. This class explores the skills and abilities needed to be an influential leader in our school, home, and community. Students will learn how to be confident public speakers, run a meeting, effectively work as a team, be leaders, and most importantly become involved in the community. Students will explore leadership roles, learning styles, and human relations skills for personal growth and career success. Emphasis will be placed on service learning, goal setting, and individual projects. FFA projects will be incorporated. Students may earn a State Leadership certificate through this course.

1 Credit **Grades: 10-12** **Prerequisite: None**

Independent Study – Students develop their own projects based on interests or courses that are not currently offered. The curriculum will be coordinated with student input to provide enrichment opportunities.

1 Credit **Grades: 11-12** **Prerequisite: FFA Membership & Instructor Approval**

Summer Independent Study – Students develop their own projects based on interests. Students will complete a weekly log, a minimum of 75 hours of project time, and meet a minimum of four times with the instructor.

.5 Credit **Pass/Fail** **Grades: 7-12** **Prerequisite: FFA Membership & Instructor Approval**

Work Study – Students must have paid employment and work a minimum of 5 hours on average/per week. All students in the work-study program will have a contract on file signed by the student, employer, parent, and work-study supervisor (Mrs. Cordes). Qualified students may have zero, one, or two periods of daily work release time and will receive one credit for successful completion of course requirements in the year-long course. Students not passing their courses will be subject to work release restrictions. In-person instruction will be completed on Wednesdays during the 9th hour. This course is offered for juniors and seniors.
Prerequisite: Employment

1 Credit **Grades: 11-12** **Prerequisite: Employed**

Youth Apprenticeship - Youth Apprenticeship is a one or two-year program that combines mentored, and on-the-job learning with academic and technical classroom instruction. It opens doors for students by giving them the chance to “try-out” a career area while experiencing an

adult working environment. Students get paid, hands-on learning with a business mentor, while completing classroom instruction related to the career area.

Students may apply in the spring for jobs that will start during the summer of their junior or senior year OR can join with qualified employment they have obtained. Businesses select the apprentices that are the best fit for their organizations and open positions; there are no forced placements. Once hired, apprentices spend part of their week learning at school and part of the week learning on the job. Students are responsible for their own transportation. Upon completion, students will earn industry certifications. Students enrolled in certain programs can also earn credit for UW Admissions.

Youth Apprenticeship Program areas include Agriculture, Construction, Financial Services (Banking/Accounting), Human Resources, Communication, Health Science, Hospitality, Information Technology, Manufacturing, Marketing, STEM, and Transportation. Students must stay in the pathway area for the duration of the program.

Students will conference as needed with Mrs. Cordes and have monthly meetings with our CESA coordinator. Modules will be completed along with employer evaluations. Students will receive a quarterly letter grade with input from the employer. Students must complete the requirements of the program in order to pass the course.

Work release hours and credits earned will be determined by schedule and work needs; approved by agriculture teacher, principal, and guidance counselor.

For more information about Youth Apprenticeship, contact Jamie Brown, 920-840-0041, jbrown@cesa6.org, or Lisa Breaker lbreaker@cesa6.org

1 - 3 Credits

Grades: 11-12

Requirements:

Enrolled in one credit of related coursework.

Completing all CESA paperwork.

On track to graduate.

Interest in developing employability skills while gaining work experience.

Employability and Financial Skills– REQUIRED

Employability –This class provides an opportunity to develop positive attitudes, knowledge, skills, and resources that will empower the successful transition from high school to postsecondary options. Curriculum study units will include Covey’s 7 Habits of Highly Effective Students, core abilities, employability applications, post-high school survival, etc. **Financial Literacy** –This portion of the course will help prepare students for planning and managing their personal finances. Through instruction and activities, students will be introduced to the workings of budgeting, saving, investing, the dangers of credit and debt, taxes, insurance, consumer awareness, and charitable contributions.

0.5 Credit

Grades: 12

Prerequisite: None

Art

Course Descriptions

Art I - 2D– An introductory course in design, art history, art terminology and related concerns; activities may include (but not limited to) drawing with various media, acrylic painting, reduction (EZ Cut) printmaking and papermaking.

0.5 Credit (1 Semester)

Prerequisite: None

Art I - 3D– An introductory course in design, art history, art terminology and related concerns; activities may include (but not limited to) hand built pottery, wheel pottery, sculpture, jewelry (bead weaving), metals and glass (etching).

0.5 Credit (1 Semester)

Prerequisite: None

Art II - 2D – Accelerated level of study in the areas explored in Art I - 2D. The student will have the opportunity to experience the use of more sophisticated art materials, concepts and techniques. Activities may include (but not limited to) drawing with various media, watercolor painting, intaglio printmaking, and paper arts (bookbinding).

0.5 Credit (1 Semester)

Prerequisite: Art I – 2D

Art II - 3D – Accelerated level of study in the areas explored in Art I - 3D. The student will have the opportunity to experience the use of more sophisticated art materials, concepts and techniques. Activities may include (but not limited to) intermediate hand-built pottery, wheel pottery, sculpture, jewelry, metals (lost wax cast silver rings), and glass (mosaics).

0.5 Credit (1 Semester)

Prerequisite: Art I – 3D

Art III- 2D – The activities are a culmination of all previous art experiences in Art I and II, with an emphasis on sophisticated techniques, processes and materials. Activities may include (but not limited to) drawing with various media, oil, watercolor or acrylic painting, printmaking (monoprint and collagraph), paper arts (quilling, manipulated paper).

0.5 Credit (1 Semester)

Prerequisite: Art II – 2D

Art III- 3D – The activities are a culmination of all previous art experiences in Art I and II, with an emphasis on sophisticated techniques, processes and materials. Activities may include (but not limited to) advanced hand-built pottery, potter's wheel, art metals (fabrication), stained glass (copper foil technique), and advanced jewelry.

0.5 Credit (1 Semester)

Prerequisite: Art II – 3D

Art IV - A– This course is designed for the serious and capable art student. The overall emphasis is to allow self-direction and independent expression through the mediums, techniques, and concepts previously learned, as well as the opportunity to investigate artistic mediums not yet explored. Students will choose the medium(s) suited to their interest and ability through a contractual agreement with the instructor. It should be emphasized that the Art IV student will be working more independently. Students considering going into an art or design related field are highly encouraged to continue in the IV class, as they will provide a broad base of artistic knowledge and exploration and prepare a portfolio for future use. Projected cost is \$10 - \$75 depending on materials used (see above). Replaces Senior Art

0.5 Credit (1 Semester)

Prerequisite: Art III

Art IV - B– This course is designed for the serious and capable art student. The overall emphasis is to allow self-direction and independent expression through the mediums, techniques, and concepts previously learned, as well as the opportunity to investigate artistic mediums not yet explored. Students will choose the medium(s) suited to their interest and ability through a contractual agreement with the instructor. It should be emphasized that the Art IV student will be working more independently. Students considering going into an art or design related field are highly encouraged to continue in the IV class, as they will provide a broad base of artistic knowledge and exploration and prepare a portfolio for future use. Projected cost is \$10 - \$75 depending on materials used (see above). Replaces Senior Art

0.5 Credit (1 Semester)

Prerequisite: Art III

Photography and Graphic Design– This class is also an introduction to darkroom photography. Projects include (but not limited to) building a rudimentary “pinhole” camera, use a 35mm “point and shoot” camera, developing film and black and white photos in the darkroom, frame and dry mount the finished photographs. Photographic terminology and art history will also be explored, as well as some photo construction projects. Students will learn graphic design and commercial art techniques through projects created by hand as well as using Photoshop on the computer. Projects may include (but not limited to) printing, enhancing digital images, manipulating/editing images on the computer, package design, calligraphy, text/font design, creation of print media (posters, flyers, ads, business cards, notepads, stationery, etc).

0.5 Credit (1 Semester)

Prerequisite: None

Fiber Arts - A– Students will explore projects and skills that they may use throughout their life as a hobby or a vocation. Students will learn to read instructions and follow patterns, as well as make up their own patterns. Projects may include (but not limited to) knitting, crocheting, needlecrafts, embroidery, latch-hook rugs, basketry, weaving, quilting, fabric painting, basketry, etc. as well as art history of those mediums, and the wellness associated with participating in fiber arts.

0.5 Credit (1 Semester)

Prerequisite: None

Fiber Arts - B– Students will explore skills used in everyday life, such as (but not limited to) hand sewing techniques, hemming, sewing on buttons, snaps, zippers, grommets, use of a sewing machine, understanding of different types of fabric, etc. Projects will include the creation of a “quiet” book, soft sculptures, quilt squares, bags, etc.

0.5 Credit (1 Semester)

Prerequisite: None

****Please Note: Students may have an “art bill” if the student chooses to do more than one of the specific projects, purchase extra supplies or materials, chooses to make more than one of the required projects, or if the student breaks or loses some art equipment that they are responsible for.***

Business

Intro to Marketing- This course will give you the foundations and functions of marketing. Students will then be able to create a marketing plan, create and distribute a product, set a price, promote the product, and then learn how to manage the risks and finances. This is through Erving

0.5 Credit Grades: 10-12 Prerequisite: None

Accounting 1 & 2- This high school course in accounting involves principles and methods of recording business transactions and the preparation of financial statements with emphasis on the records of a sole proprietorship, partnerships, and corporations. This is through Erving

1 Credit Grades: 10-12 Prerequisite: None

Personal Brand Development- Learn how personal branding allows you to differentiate yourself from the competition through appearance, personality, and marketing competency. This is through Erving (NWTC)

2 Credits (college) .5 HS Grades: 11-12 Prerequisite: College 101, 10-890-101

Logistics/Supply Chain- Logistics supply chain, demand management and customer service, procurement and supply management, global logistics, manufacturing, inventory management, warehousing, transportation and third-party logistics. This is through Erving (NWTC)

3 Credits (college) 1 HS Grades: 11-12 Prerequisite: None

Social Media Marketing- Cover the current state of social media and provide perspective on trends moving forward. Learn about the opportunities social media provides, what interactions mean for a business, and how communication has changed. A strategic plan will be developed to understand the needs of a social media marketing campaign through research, discovery, and thoughtful content creation. This is through Erving (NWTC)

3 Credits (college) 1 HS Grades: 11-12 Prerequisite: None

Technology and Engineering

Technology courses are designed to encourage the study of how people apply knowledge, scientific, mathematical and communication skills using various tools and materials to solve problems and meet human needs. The purpose of the curriculum is to prepare all students to function in an ever-changing technological society, develop employability, and provide the transition from school to gainful employment.

Recommended Sequence of Available Technology Courses			
Grade 9	Grade 10	Grade 11	Grade 12
Introduction to Technology	Introduction to Technology	Introduction to Technology	Introduction to Technology
	Furniture and Cabinet Making	Furniture and Cabinet Making	Furniture and Cabinet Making
	Metals 1	Metals 1	Metals 1
		Engineering	Engineering
		Shielded Metal Arc Welding (SMAW) Techniques	Shielded Metal Arc Welding (SMAW) Techniques
		Gas Metal Arc Welding (GMAW) Techniques	Gas Metal Arc Welding (GMAW) Techniques

Technology Course Descriptions

Intro to Technology - Designed to introduce students to a broad range of areas in Tech. Ed. Areas of study will contain but will not be limited to construction, manufacturing, transportation, and engineering. The course will provide hands-on experience with processes, materials, tools, machines, management ideas, and the impacts of technology. Students will understand basic measurements, how to read a tape measure, research different possible careers in the areas of study, basic woodworking principles, basic metal manufacturing, automotive knowledge (small engines), and the importance of proper tool usage. The students will work safely and efficiently with both hand and power woodworking tools. Students will learn how to make something out of wood and follow the process from a tree in the forest to a finished product and all steps in between.

1 Credit

Grades: 9-12

Prerequisite: None

Engineering - This course is designed to introduce students to the various types of engineering through hands-on activities and challenges. Students will learn about the Engineering Design Process and will apply it to various engineering projects that include 3D printed models, laser-cut products, and automated solutions using Arduino and Raspberri Pi microcontrollers. Students will use higher-level problem-solving skills to devise solutions to real-world problems.

1.0 Credit **Grades: 10-12** **Prerequisite: Intro to Programming & Intro to DC Circuits**

Furniture & Cabinet Making – Students will use the skills they obtained from Building Trades to plan, develop, and build a series of small projects or one big project for the semester. Students will be able to use all necessary tools to make a finished product.

1 Credit **Grades: 10-12** **Prerequisite: Intro to Tech (Recommend grade of C or better)**

Metals 1 - This course will cover the basic manufacturing processes used in the production of goods from metal. It will also allow the student to become familiar with the different types of metals and their properties. The student will learn basic skills in arc welding, cutting, tool usage, welding symbols, and safety.

1 Credit **Grades: 10-12** **Prerequisite: Intro to Technology**

Shielded Metal Arc Welding (SMAW) Techniques 1 TC – This class is articulated through Fox Valley Technical College (FVTC). It covers the process commonly known as stick welding. Upon completion of this course, the student will be able to weld in all positions, read some basic weld symbols, and have a basic understanding of written welding procedures.

Purpose/Goals

- Identify terminology, nomenclature, electrode selection, power source equipment requirements, quality standards, limitations and variables.
- Perform filed and groove welds in all positions on plain carbon steel and stainless-steel filed welds in the horizontal position using the shielded metal arc welding process.

1 Credit (2 FVTC) **Grades: 10-12** **Prerequisite: Metals 1**

Gas Metal Arc Welding (GMAW) Techniques 1 TC – 1 Laude Point This class is articulated through Fox Valley Technical College (FVTC). It demonstrates welding on steel sheet metals and plates. Emphasis is placed on axial spray, pulse spray and short circuit mode of transfer. Upon completion of this course, the student will be able to weld in all positions, read basic weld symbols, and understand written welding procedures.

Purpose/Goals

- Identify terminology, equipment, shielding gas and consumable requirements, limitations and quality standards.
- Perform filed and groove welds on plain carbon steel in all positions with the short circuit and pulse spray mode of transfer; filed and groove welds in the flat and horizontal positions with the spray transfer mode; and performance weld test to evaluate welders' abilities.

1 Credit (2 FVTC) Grades: 10-12 Prerequisite: Metals 1

Engineering/Computer Science Course Descriptions

Recommended Sequence of Available Music Education Courses			
Grade 9	Grade 10	Grade 11	Grade 12
Intro to Programming	Intro to Programming	Intro to Programming	Intro to Programming
Intro to DC Circuits	Intro to DC Circuits	Intro to DC Circuits	Intro to DC Circuits
	Microsoft 365	Microsoft 365	Microsoft 365
	Intro to Cybersecurity *	Intro to Cybersecurity *	Intro to Cybersecurity *
	Programming 1 *	Programming 1 *	Programming 1 *
	Robotics 1*	Robotics 1*	Robotics 1*
		Robotics 2*	Robotics 2*

* Denotes prerequisite courses for students.

Intro to Programming - This course is designed to introduce the student to the fundamentals of programming. Students will learn the basics of block coding and basic game programming. Students will also be introduced to the basics of robotic programming, website design, JavaScript, and Python.

0.5 Credit Grades: 9-12 Prerequisite: None

Intro to DC Circuits - This course is designed to introduce the student to the fundamentals of direct current circuits. Students will learn the basics of series and parallel circuits, switches, resistors, circuit diagramming, and wiring. Students will also be introduced to Ohm's Law, multimeters, and soldering.

0.5 Credit Grades: 9-12 Prerequisite: None

Programming 1 - This is an introductory computer science course that takes a wide lens on computer science by covering topics such as problem-solving, programming, physical computing, user-centered design, and data while inspiring students as they build their own websites, apps, animations, games, and physical computing systems.

1.0 Credit Grades: 10-12 Prerequisite: Intro to Programming

Programming 2 - This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in.

1.0 Credit Grades: 10-12 Prerequisite: Programming 1

Microsoft Office 365 - This course is designed to support students to understand cloud concepts; Microsoft 365 apps and services; security, compliance, privacy, and trust in Microsoft 365; and Microsoft 365 collaborative, data analysis, presentation applications. Additionally, completion of this course will result in student Microsoft 365 certification. Microsoft Certifications start with foundational skills in Office 365 and Microsoft 365, but additional topics which may be covered ranging from Azure to AI, to data analytics, to the organization of spreadsheets, so students can acquire the technical skills they will need to perform industry roles.

Number of credits: .5 Grades: 10-12 Prerequisite: None

Introduction to Cybersecurity-

This course will focus on the implementation and monitoring of security on network and computer systems. Students will investigate strategies to identify and protect against security threats such as hackers, eavesdropping and network attacks. The basics of cryptography and logic reasoning will be explored. Hands-on labs in the CYBER.ORG Range provide practice in the configuration and mitigation of system vulnerabilities. Each unit integrates current events and related cyber ethics and law. *Ethics agreement must be signed by all students and parents during the first 2 weeks of class

Number of credits: .5 Grades: 10-12 Prerequisite: Intro. Programming, Intro. DC

Robotics 1 - Students will walk through the engineering design process and build a mobile robot to play a sport-like game. During this process, they will learn key STEM principles and robotics concepts. At the culmination of this class, they will compete head-to-head against their peers in the classroom, or on the world stage in the FRC Robotics Competition, the largest and fastest-growing international robotics competition for middle and high school students.

1.0 Credit Grades: 10-12 Prerequisite: Robotics 1

Robotics 2 - Students will continue to use the engineering design process to build mobile robots that could be used in real-world situations such as manufacturing. They will continue to learn key STEM principles and robotics concepts. Students will also work on troubleshooting electrical, mechanical, and circuitry problems in various computers, robots, and toys.

1.0 Credit Grades: 11-12 Prerequisite: Robotics 1

AP Computer Science- College-board approved AP class that focuses on the fundamentals of computer science. Focus is on the many facets of computer science and how it relates to the world: Internet, App Design, Programming, Cybersecurity and Computing Systems. Prepares students who are new to computer science for the AP CS Principles exam. This is through Erving

1 Credit **Grades: 10-12** **Prerequisite: Algebra**

Cybersecurity/Microsoft 365-This course is designed to support students to understand cloud concepts; Microsoft 365 apps and services; security, compliance, privacy, and trust in Microsoft 365; and Microsoft 365 collaborative, data analysis, presentation applications. Additionally, completion of this course will result in student Microsoft 365 certification. Microsoft Certifications start with foundational skills, but additional topics which may be covered ranging from Azure to AI, to data analytics and cybersecurity so students can acquire the technical skills they will need to perform industry roles.

Computer Programming 2 CIDS- A continuation of fundamental computer concepts and programming. Java will be used to teach the basic concepts of program analysis, design and implementation. Topics include: methods, File IO, Arrays and their applications, Abstract Data Types, Classes, simple Java GUI application, Inheritance and composition. Students will need access to the internet, email and the University's course management system Canvas. Designed to meet degree requirements for UWRF Computer Science and Information Systems majors. This is through Erving (UWRF)

3 Credits **Grades: 11-12** **Prerequisite: CIDS 1**

Principles of Information Security- An introduction to the various technical and administrative aspects of information security and assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. This is through Erving (NTC)

2 Credits (college) .6 HS **Grades: 11-12** **Prerequisite: None**

IT Development & Design Fundamentals- Introduces the field of IT software development and design. Learners will explore degree and career paths, IT tools and processes and begin to demonstrate professional communication. Learners will create or modify a simple computer program using an integrated development environment. This is through Erving (NTC)

2 Credits (college) .6 HS **Grades: 11-12** **Prerequisite: None**

Programming Concepts A.- Introduces programming concepts and terminology using an object-oriented approach, with a focus on iterative development and testing. This course uses C# .NET, the Unified Modeling Language (UML) and other tools to present concepts from a variety of perspectives. Learners will create UML diagrams and write/debug C# .NET applications that incorporate classes, fields, methods, and variables. Additional topics include: utilization of an Integrated Development Environment (IDE), value and reference types, object instantiation/lifetime/scope and mathematical/conditional/logical expressions. This is through Erving (NTC)

1 Credit Grades: 11-12 Prerequisite: IT Development & Design Fundamentals

Programming Concepts B.- Reinforces programming concepts and standards, building on the object-oriented approach introduced in Programming Concepts A, with a focus on iterative development and testing. This course uses C# .NET, the Unified Modeling Language (UML) and other tools to present concepts from a variety of perspectives. Learners will create UML diagrams and write/debug C# .NET applications, applying the object-oriented basics of abstraction and encapsulation. Additional topics include: the utilization of a debugger, object multiplicity and constructors. This is through Erving (NTC)

1 Credit Grades: 11-12 Prerequisite: Programming Concepts A.

Programming Concepts C.- Emphasizes programming concepts and standards, building on the object-oriented approach of Programming Concepts B, with a focus on iterative development and testing. This course uses C# .NET, the Unified Modeling Language (UML) and other tools to present concepts from a variety of perspectives. Learners will create UML diagrams and write/debug C# .NET applications, applying the object-oriented basics of abstraction and encapsulation, inheritance. This is through Erving (NTC)

1 Credit Grades: 11-12 Prerequisite: Programming Concepts B.

Intro to IT- This course provides an overview of Information Technology by comparing and contrasting the various fields within the broader IT industry. Students will be exposed to hardware, software, networking, programming, and analyst roles to understand how each plays an integral role in IT. This is through Erving (NWTC)

1 Credit Grades: 11-12 Prerequisite: None

Intro to Programming: Logic- Techniques for developing computer programs to solve business problems; includes logic, structure, flowcharting, comparing, looping, variables, arrays, file processing, objects, methods, properties, events, data validation, testing procedures. This is through Erving (NWTC)

1 Credit

Grades: 11-12

Prerequisite: None

WEB: Database Development- Database uses, database terminology, analyzing information requirements, data models, database design phases, entity relationships, normalization processes, database management systems, database objects, development environments, creating tables, writing queries using SQL, testing. (This course will require students to work outside of class to complete lab work) This is through Erving (NWTC)

3 Credits (college) 1 HS

Grades: 11-12

Prerequisite: None

Principles of Civil Engineering- Provides fundamentals of Civil Engineering from concept to completion. Civil Engineering ethics, resume and portfolio creation, and Microsoft Word and Excel will also be introduced. This is through Erving (NWTC)

3 Credits (college) 1 HS

Grades: 11-12

Prerequisite: None

Website Coding- Write code for functionality and design of web page text, hyperlinks, images, forms, tables, and frames using (X)HTML, XML and CSS. Apply coding standards. Test browser function and user accessibility. (This course will require students to work outside of class to complete lab work) This is through Erving (NWTC)

3 Credits (college) 1 HS

Grades: 11-12

Prerequisite: None

Digital Media Overview- Media examples in audio, video, history of radio/tv broadcasting, concepts of videography, live video streaming, pre-production, scriptwriting and motion graphics. This is through Erving (NWTC)

2 Credits (college) .5 HS

Grades: 11-12

Prerequisite: None

Renewable Energy and Sustainability- An overview of various renewable energy technologies and sustainable design practices and their current applications. Emphasis will be placed on policies, renewable energy production, green products and jobs. This is through Erving (NWTC)

4 Credits (college)

Grades: 11-12

Prerequisite: None

Music Education

LWHS music courses are designed to address a wide range of student skills and interests. Numerous performance opportunities, travel and competition are an integral part of the music program.

Recommended Sequence of Available Music Education Courses			
Grade 9	Grade 10	Grade 11	Grade 12
High School Band	High School Band	High School Band	High School Band
High School Choir	High School Choir	High School Choir	High School Choir

Course Descriptions

High School Band– The High School Band performs a variety of music throughout the year, ranging from classical to pop. Performing opportunities include, concert band, solo/ensemble music festival, pep band, marching band, and all-conference band. As a member of the High School band, students will develop their instrumental skills, appreciation for music, and knowledge of music theory, history, and composition. All students will receive a calendar of required and non-required performances at the start of the school year.

NOTE: Due to the early performance schedule for this course, any drop/adds must be made **PRIOR** to the first day of the school year. Drop/add requests following first rehearsal may or may not be granted according to the instructor's discretion. Parent permission is required for drop/add requests to be considered.

1 Credit

Grades: 9-12

**Prerequisite: Middle School Band (or)
Instructor's Approval**

High School Choir- This is a performing group for singers. Class work will include singing, writing, note reading, listening exercises, vocal technique and singing tests. Public performance is a mandatory part of the class grade.

1 Credit

Grades: 9-12

Prerequisite: None

Other Electives

Assisted Child Care Teacher- This course is excellent for students who are interested in a career in which they are working with children (teacher, counseling, childcare, psychology, social work, community services). The course will emphasize the physical, emotional, social and intellectual development of children, from birth to adolescent. Students will focus on the application of child development principles to the care of children while in group settings. Students are required to complete 10 hours of observation and/or instruction in a child-centered environment. Upon completion of the course, observation hours, 85% attendance, and a grade of C or better, the student will receive a DPI Skills Certificate which allows them to be employed as an Assistant Child Care Teacher. The DPI and the Wisconsin Technical College System have entered into an agreement whereby three elective credits may be awarded for successful completion of this course upon enrollment in a WTCS Early Childhood Program. This is through Erving

0.5 Credit

Grades: 11-12

Prerequisite: None

Written Communication- Some topics explored in this course include: good and bad news messages, cover letters and resumes, and APA formatting. Come explore and apply professional workplace communication in this practical writing course. This is through Erving (NTC)

3 Credit (college) 1 HS

Grades: 11-12

Prerequisite: None

Intro to Teaching- Introduction to Teaching is designed for prospective teachers and other education professionals and serves as an introduction to both the field of education and to the Teacher Education program at UW River Falls. The course provides an introduction to interrelated aspects of education across three levels of analysis: Individual (teacher, child), Institution (school as a place to work and learn) System (schooling as reflective and transformative of society) Students learn through readings, class activities and discussions, assignments that utilize inquiry processes, and visits to educational settings. Several written assignments require students to reflect on their experiences and learning. This is through Erving (UWRF)

3 Credit (college) 1 HS

Grades: 11-12

Prerequisite: None

Exceptional Child- This is a survey course examining the general aspects of students with special needs. Emphasis centers on the historical and legislative issues, definitions, eligibility, criteria and characteristics of exceptional individuals, models of delivery of services, individualized education programs and examples of accommodative techniques in the classroom and home. This is through Erving

3 Credit (college) 1 HS grades: 11-12 Prerequisite: Intro to Teaching

Current Events in Criminal Justice- Students will explore nine current issues related to law enforcement of today. Students will be given scenarios that speak to those issues and will be expected to research, reflect and eventually respond to those scenarios in a manner that effectively addresses the issues being explored. *Students will need to have a high level of reading and writing skills for this course; research required. This is through Erving (NTC)

3 Credit (college) 1 HS Grades: 11-12 Prerequisite: None

College 101- Develops tools and strategies that support success in college. Focuses on study skills, college resources, goal setting, time management, and learning styles. Introduces concepts for self-assessing learning and completing an Exit Assessment that provides evidence that learning took place. Students should take this course prior to or during the first semester of their programs. This is through Erving (NWTC)

1 Credit Grades: 11-12 Prerequisite: None

Intro to Ethics and Theory and Application- Basic understanding of theoretical foundations of ethical thought; analyze/compare relevant issues using diverse ethical perspectives; critically evaluate individual, social/professional standards of behavior--applying a systematic decision making process. This is through Erving (NWTC)

3 Credit (college) 1 HS Grades: 11-12 Prerequisite: None

Customer Service- Examine customer service culture, develop communication and listening skills, explore diversity in the workplace, develop skills for handling challenging customers, and explore the impact of technology on customer service and engagement. This is through Erving (NWTC)

3 Credit (college) 1 HS Grades: 11-12 Prerequisite: None

Intro to Human Services- Examine the evolution of the human services field. Distinguish the various types of human service agencies and occupations available in the field. Demonstrate the qualities of the field professionals. Complete 10 hours of community service at an agency of learner's choice outside of class time. Assess boundaries and ethical issues commonly found in the human services profession. Apply reflective practitioner techniques. This is through Erving (NWTC)

3 Credit (college) 1 HS

Grades: 11-12

Prerequisite: None

Intro to Law Enforcement- In this course, learners will discover the history and evolution of policing and explore thought provoking issues that underscore the challenging and rewarding world of policing. Learners will examine the role of law enforcement in a democratic society, covering concepts such as law enforcement services; crime deterrence; discretion, and the expanded role of today's police officers. This course will also explore evolving law enforcement strategies and attitudes that build effective law enforcement and community relationships including the use of problem-oriented policing. Learners will also consider how professional law enforcement officers work in conjunction with the courts, corrections and other agencies to administer criminal justice in Wisconsin. This is through Erving (NWTC)

3 Credit (college) 1 HS

Grades: 11-12

Prerequisite: None

Private Investigation Tactics- Private investigators are used by law firms, corporations, insurance companies and other public and private entities. This course covers the basics of locating individuals using open sources of information, ethical considerations for investigators, constitutional law application and current investigative practices as preparation for success as a private investigator, corporate and private security or insurance claim investigator. Includes lessons on developing a business and marketing plan and preparing for the Wisconsin Private Detective license exam. This is through Erving (NWTC)

3 Credit (college) 1 HS

Grades: 11-12

Prerequisite: None

Understanding Substance Abuse- Explore the bio-psycho social dynamics of substance use. Examine treatment approaches, models, and screening criteria. Examine substances of abuse, history of SUDs, and their impact on the individual and society. This is through Erving (NWTC)

3 Credit (college) 1 HS

Grades: 11-12

Prerequisite: None

Career Planning- Experiential learning introduction. Learn how personal branding allows candidates to differentiate themselves from the competition through appearance, personality, and marketing competency. Career portfolio introduced. This is through Erving (NWTC)

1 Credit (college) .5 HS Grades: 11-12

Prerequisite: 10-890-101, College 101

Additional Offerings

Early College Credit Program/Start College Now –

Wisconsin's Start College Now (formerly known as Youth Options) program allows public high school **students** who meet certain requirements to take post-secondary courses at a UW institution, a Wisconsin technical college or one of the state's participating private nonprofit institutions of higher education. Approved courses can count toward high school graduation as well as for college credit.

This program opens the door for greater learning opportunities for motivated students who are considering a technical career, students wishing to start college early, or students who want to prepare themselves to enter the workforce immediately after high school graduation.

Parents/Guardians are responsible for satisfactory student attendance and transportation to and from the postsecondary institution. **Students will be required to reimburse the school district for tuition and fees if the student drops or fails the course.**

Students wishing to participate in this Program should contact the school counseling office. Students must be registered for the program by September 30th if they wish to enroll for the spring semester and March 1st if they wish to enroll for the following fall semester. Information sheets are also available in the Counseling Office. **Students must have a 2.5 GPA to apply.**

AP Classes-- LWHS partners with Wisconsin Virtual School to offer additional online AP Courses. Students can take AP Classes and also the AP exam without taking the course itself. If a student earns a passing score of 3 or higher, students will earn college credit. Students will earn 1.5 Laude points for each AP course as well as high school credit. Students have until September 30 to add additional AP courses for the current school year.

Wisconsin Virtual School Classes--LWHS partners with Wisconsin Virtual School for high school courses not offered here. These courses are 20 weeks long and are fully online. Students are

given time in their schedule to complete work. Courses must be applied for by Feb 28 for fall courses and September 30 for spring courses. All courses receive one semester high school credit. Up-to-date course offerings may be found at:

<https://www.wisconsinvirtualschool.org/courses/high-school-courses.cfm#d636900>

Academic & Career Planning

ACP or Academic and Career Planning is intended to equip students and their families with the tools necessary to make more informed choices about postsecondary education, training, and careers for life after high school. It is part of Wisconsin Department of Public Instruction's overall vision for every student to graduate high school academically, socially, emotionally, and life ready. The following are components involved in academic and career planning. For more information, see <https://dpi.wi.gov/acp2>.

4 Year Course Plan

Course selections based on academic and career goals including highest education desired, career cluster(s) of interest, and career pathway(s) of interest.

Career/Work Based Learning Experiences

Students in 9th and 10th grade are encouraged to work with their families and the school counselor to explore job shadow or interview opportunities in their areas of interest. Students in 11th and 12th grade may participate in Work Study, Youth Apprenticeship, or job shadowing.

Virtual ACP Portfolio in Xello

Xello is a software that helps students in grades 6-12 create their very own unique roadmap for future success. This roadmap will enable students to discover their own personal pathway through self-knowledge, exploration, and planning. Built on a proven model for student success, Xello is aligned to Academic and Career Planning ACP. Students complete interactive lessons each year in their virtual portfolio.

<https://xello.mcoutput.com/1366560/Xello%20Scope%20and%20Sequence.pdf>

Career Clusters & Pathways

There are 16 career clusters in the National Career Clusters Framework, representing more than 79 career pathways to help students navigate their way to greater success in college and career. They help students discover their interests and their passions, and empowers them to choose the educational pathway that can lead to success in high school, college, and career.

The Little Wolf High School Course Catalog along with the career clusters and pathways are ways for students to group their required and elective courses into a coherent sequence in preparation for college and careers. By connecting education to future goals, students are motivated to work harder and enroll in more rigorous courses and meet their future goals. A list of clusters, pathways, and LWHS offered courses follows this section.

https://cte.careertech.org/sites/default/files/CareerClustersPathways_0.pdf

Extracurricular Activities

Students can participate in clubs & athletics

Assessment Results

Students take WI Forward Exams, ACT Aspire, PreACT, ACT Plus Writing, & AP Exams

Financial Plan

Students complete Employability Skills/Financial Literacy course in their senior year.

Potential Post-Secondary Options

Technical School, Associate Degree or Certificate, 4-Year College, Trade School, Apprenticeship, Work, Military