



OCONTO FALLS HIGH SCHOOL

HOME OF THE PANTHERS

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ACADEMIC & CAREER PLANNING GUIDE

COURSE OFFERING GUIDE

2023-24

This booklet may be found on-line at the High School website

<https://ofpanthers.com/schools/oconto-falls-high-school/>

[Updated 12/22/22]

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Dear Oconto Falls High School Students,

The primary goal of Oconto Falls High School is to prepare students for college and success after graduation. Where do you fit into the diverse and interconnected local, state, national, and global economies of the 21st century? What skills have you mastered? Which academic concepts are you proficient with understanding? Where do your interests lie?

The staff of Oconto Falls High School is committed to understanding your career goals, passions, and skills so that we may assist you throughout your high school career. Discovering these will not be an easy task for you, but it will definitely be a rewarding one.

As you undertake this journey, please keep the following recommendations in mind:

- ❖ Do not be afraid to try something new;
- ❖ Converse with school staff, career counselors, parents/guardians, and other knowledgeable adults about your aspirations;
- ❖ Seek deeper meaning and understanding across the disciplines;
- ❖ Strive for excellence and perseverance in everything you do;
- ❖ Discover endless opportunities to exceed expectations;
- ❖ Advocate for your learning and aspirations;
- ❖ Become a person that is an employable asset;
- ❖ After giving your best effort, don't hesitate to ask for help.

We truly hope that your time and effort spent learning and becoming involved in high school activities and opportunities will prepare you for that next chapter in your life while also bringing your enjoyment and personal growth along the way.

Thank you for choosing Oconto Falls High School - we are excited to embark on this journey with you!

Respectfully,

Oconto Falls High School Staff

OCONTO FALLS HIGH SCHOOL CURRICULUM PLAN

GRADUATION REQUIREMENTS – 26 CREDITS	
SUBJECT AREA	REQUIRED CREDITS
Language Arts	4 credits
Mathematics	3 credits
Science	3 credits
Social Studies	3 credits
Health	½ credit
Physical Education	1 ½ credits
Future Ready (beginning with Class of 2026)	½ credit
Electives	11 credits (10 ½ credits beginning with Class of 2026)

Four years of attendance and twenty-six (26) credits (including the required subjects listed above) are required for graduation (unless early graduation is requested). All subjects that are full-year courses will receive one (1) credit. All subjects that are single semester courses will receive one-half (½) credit. Credit is granted when a passing grade has been earned at the semester.

RECOMMENDED SEQUENCE

FRESHMAN YEAR	SOPHOMORE YEAR
Language Arts 9 Algebra I or Advanced Geometry World History Biology Freshman Physical Education (semester) Health (semester)	Language Arts 10 Geometry or Advanced Algebra II US History or A.P. U.S. History 1 credit Science Physical Education (semester)
JUNIOR YEAR	SENIOR YEAR
Language Arts 11 1 credit Math Modern American/Economics 1 credit Science Physical Education (semester) Health (semester)	1 credit Language Arts

4-YEAR COLLEGE & UNIVERSITY PREPARATORY

REQUIREMENTS AND RECOMMENDATIONS

Students who plan to attend college:

- ✓ Should review the University of Wisconsin System website - <https://www.wisconsin.edu/information-for-students-families/> - as well as materials for other universities to become familiar with entrance requirements and program information.
- ✓ Should consider the maximum rather than the minimum options available.
- ✓ May want to, as juniors or seniors, narrow their choices to two or three institutions and follow the requirements for those schools.

The basic academic subjects provide the detailed knowledge and skills necessary for effective work in college. These subjects include Language Arts, Science, Mathematics, Social Studies, World Language and the Arts.

LANGUAGE ARTS	4 years. Requirements vary considerably at different institutions. Emphasis should be placed on listening, speaking, writing, grammar skills and literature. REQUIREMENT: A student must be enrolled in Language Arts courses during each of the four years of high school. Additional Language Arts courses may be taken in a given semester based on student interest.
FOREIGN LANGUAGE	2 years recommended (3-4 years preferred for functional language use). Some schools, including U.W. Madison, may require World Language for admission.
SOCIAL STUDIES	3 years. Additional Social Studies classes can also be counted as part of the academic credits for admissions.
MATHEMATICS	4 years. All state campuses require Algebra I, Geometry, and Algebra II. Some majors (ex. Engineering, Business) require some form of Calculus for the degree. Students are encouraged to complete as many credits in Mathematics as possible. Solid math preparation in high school is essential for most post-secondary majors.
SCIENCE	3 to 4 years. In some cases, specific courses are needed, depending upon one's desired program. For example, programs in the health related fields (ex. Nursing) requires both Biology and Chemistry. A combination of Life and Physical Science is recommended as well as one advanced Science course such as AP Biology, Organic Chemistry, or AP Physics.

It is highly recommended that college bound students choose a schedule with the highest level of rigor possible to best prepare for post-secondary academic expectations. This could include taking college credit classes as early as the sophomore year, and then each successive year thereafter. While each post-secondary institution has its own regulations on transferability, and therefore each class offered by the high school does not necessarily transfer to all post-secondary institutions, nevertheless there is significant value in taking these challenging college level classes for the increased academic preparation that they offer - regardless of transferability.

TECHNICAL COLLEGE PREPARATORY

REQUIREMENTS AND RECOMMENDATIONS

LANGUAGE ARTS	4 years. Effective reading, writing, listening, and speaking skills are essential. REQUIREMENT: A student must be enrolled in Language Arts courses during each of the four years of high school. Additional Language Arts courses may be taken in a given semester based on student interest.
SOCIAL STUDIES	3 years required in most programs. Courses that require communication and collaboration may be most beneficial.
MATHEMATICS	3 years required in most programs. Many programs will expect courses beyond Algebra I and Geometry, such as Algebra II, Pre-Calculus, or a dual credit Mathematics course. Students are encouraged to push themselves as far as possible in Mathematics.
SCIENCE	3 years required in most programs. For some programs, a combination of Life and Physical Sciences is desired. In others, more specific courses in a particular area are required.

RECOMMENDATIONS AND REQUIREMENTS BASED UPON THE DESIRED FIELD OF STUDY

TRADE AND INDUSTRY'S	Most programs need a minimum of Algebra I, while some require Geometry. It is recommended that students take Algebra II for electronic programs.
HEALTH OCCUPATIONS	Many health professions require Science classes through Chemistry (ex. Dental Hygienist, Registered Nurse, Physical Therapy Assistant, and Respiratory Therapist)
DUAL CREDIT OPTIONS	Students may earn transcribed NWTC credit and in some cases advanced standing at NWTC for courses taken at Oconto Falls High School.

Students should discuss their interests with their counselor to ensure that the correct balance of academic and vocational courses is selected that best prepares them to meet technical college admission requirements.

SCHEDULE CHANGES

Students and parents are asked to give very careful consideration to course requests during the scheduling process. Teachers, counselors, and administrators are available throughout the scheduling process to discuss the options available to students so that informed choices are made that are in alignment with future plans. As students progress through the grade levels, the number of choices that students are able to make about their course requests increases.

Based on student course requests, a building master schedule is created for the following school year. Each year, difficult decisions must be made regarding the specific courses and sections that will be run and how they will be staffed. Class sizes are then balanced to the extent possible. Department budgets are also planned based on the master schedule. **For these reasons, it is important that students are committed to taking the courses that they request.**

Once the master schedule is created, counselors will meet individually with students to address any scheduling conflicts that may have arise. This will take place in late spring. Our goal is to provide students with a copy of their schedules for the following school year prior to leaving for the summer.

Because student schedules are based on their course requests, requests for schedule changes will be allowed only for the following reasons:

- Placement in the incorrect level of a course
- Missing a course needed for graduation
- Failed or did not take a prerequisite course
- Agreement by both student and teacher that the course placement was inappropriate
- Student's IEP or 504 plan was amended
- Documented medical situations
- Clearly planned and documented changes in program or career path
- To balance uneven class sizes
- Extenuating circumstances as determined by an administrator following significant attempts to resolve the issue by the student, teacher, parent, counselor, and administrator

Requests for schedule changes will generally not be allowed for the following reasons:

- No longer interested in the course
- Difficulty of the course without documentation of significant efforts to receive extra help by the student
- Preference for a different teacher
- Preference for a different class period in the school day
- Desire to avoid a lower grade
- Personality conflict

Allowable schedule changes must be completed within the first 10 days of the semester (extended to 15 days for college level courses). If a class is dropped after that time, an F will be placed on the student's transcript.

COURSE FEES

Most course fees have been eliminated, although a few still remain (primarily dual credit and Advanced Placement courses). **Course fees should not create barriers for students to take courses that will best prepare them for the future. In cases of significant financial hardship for a family, fee waivers may be issued. These waivers are requested through the online registration process in August.** If you have any questions about eligibility for fee waivers, please contact the building principal.

ART

OUR MISSION - The mission of the Oconto Falls High School Art Department is to provide high quality visual arts education to students of all ages.

FOUNDATIONS OF ART (21115A-B) <ul style="list-style-type: none">▪ Open to Grades 9 - 12▪ Full year class - 1 credit	This is a class for students who enjoy most aspects of 2 and 3-dimensional art including drawing, painting, sculpting and design. Various media will be incorporated, such as graphite, acrylic paint, marker, watercolor, and ink. 3-dimensional media used will include soapstone, clay and copper enameling. This is the foundation class for all other Art Department courses.
APPLIED ART (21105) (NOT OFFERED 2023-24) <ul style="list-style-type: none">▪ Prerequisite - Foundations of Art▪ Open to Grades 11 - 12▪ Semester course - ½ credit	Further study of the many facets of Art. Serious concentration on improving drawing and painting skills. All areas of study from Foundations of Art are expanded to include new materials such as oil paints, encaustic, ink drawing, plastercraft sculpture and silkscreen.
INTRO TO PRINTMAKING (21108) (NOT OFFERED 2023-24; OFFERED 2024-25) <ul style="list-style-type: none">• Prerequisite - Foundations of Art• Open to Grades 10 - 12• Semester Course - ½ credit	Introduction to basic printmaking studio practices, skills, and materials including plates, presses, inks, and image processing with focused studio investigations into various themes.
GRAPHIC DESIGN (21118) <ul style="list-style-type: none">• Prerequisite - Foundations of Art• Open to Grades 10 - 12• Semester Course - ½ credit	Introduction to computer as a design and production tool for graphic design, use software to create graphics, edit images and design complex layouts. This course provides students with an overview of graphic design practice. Students concentrate on building visual and typographic communication skills as well as the vocabulary necessary for critical analysis. These introductory level skills are explored through static, static-narrative, interactive, and time-based media. Topics covered include basic visual and typographic principles, composition, type and image integration, sequence, and craft. Students are also introduced to the design process, which includes research, ideation, iteration, refinement, and implementation. Image/image-series, logotypes, mark-making, digital presentations, and booklets are possible outcomes of this course.

<p>FACES, FIGURES, AND FANTASY DESIGN (FORMERLY INTERMEDIATE STUDIO PRINCIPLES) (21112)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Foundations of Art ▪ Open to Grades 10 - 12 ▪ Semester course - ½ credit 	<p>This course provides students with an expanded foundational knowledge of drawing faces, figures, and fantasy figures. Students will understand realistic proportions and strengthen their fantasy and Manga drawing skills. Project themes concentrate on portraiture, figure drawing, and touch on manga and fantasy creatures. In addition, the theme of visual storytelling will be explored.</p>
<p>CERAMICS I (21102)</p> <ul style="list-style-type: none"> ▪ Open to Grades 9 - 12 ▪ Semester course - ½ credit 	<p>Concentrated study of wheel-throwing and hand building techniques of pottery and sculpture. Various types of glazes will be incorporated.</p>
<p>CERAMICS II (21103)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Ceramics I ▪ Open to Grades 9 - 12 ▪ Semester course - ½ credit 	<p>After learning the basics in Ceramics I, the students will choose an emphasis in hand building, wheel-throwing or sculpture, and particularly build their skill level in that area.</p>
<p>CERAMICS III (21104)</p> <ul style="list-style-type: none"> ▪ Prerequisite – Ceramics I and II ▪ Open to Grades 10 - 12 ▪ Semester course - ½ credit 	<p>Students who have enjoyed working with clay can further develop their skills on the wheel, hand building, working sculpturally and glazing techniques. Emphasis will be on craftsmanship and improvement of skills acquired.</p>
<p>NWTC PHOTOGRAPHY - DIGITAL (21122)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Foundations of Art ▪ Open to Grades 10 - 12 ▪ Semester course - ½ credit <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of C or higher earned ▪ Course # 10-203-104 ▪ 3 credits 	<p>In this dual credit course, students will develop the following competencies:</p> <ul style="list-style-type: none"> • Analyze professional camera systems and equipment; • Identify elements of the exposure triad; • Create an artistic photograph using compositional elements; • Create a photograph using elements of the exposure triad; • Control natural and studio lighting; • Develop a professional image portfolio; • Implement properties of color and light quality into photographs; • Define the twelve elements of professional photography; • Critique printed and digital photographic work. <p>Access to a digital camera will be provided (students may use their own camera if comparable to school equipment).</p>
<p>JEWELRY AND METALSMITHING (21110) (OFFERED 2023-24)</p> <ul style="list-style-type: none"> • Prerequisite - Foundations of Art • Open to Grades 10 - 12 • Semester course - ½ credit 	<p>This class concentrates on 3-dimensional work and introduction to major aspects of metalworking and jewelry. Students will develop design skills and technical competency and explore metalsmithing as an art form.</p>

<p>ADVANCED DRAWING AND PAINTING EXPLORATIONS (21114A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Foundations of Art ▪ Open to Grades 11-12 ▪ Full year course - 1 credit 	<p>Advanced painting problems in all media. Concentrated drawing using all design elements. Individual study in media and artists.</p> <p>This class is intended to delve deeply into how a specific subject or theme has been addressed by artists over time. Studio projects will be designed for direct, hands-on exploration of thematic subjects. Students will employ media familiar to them, and be encouraged to experiment with new media, to expand their artistic exploration and to build manual and oral/written vocabulary for operating within a multidisciplinary environment.</p>
<p>ADVANCED PLACEMENT ART HISTORY (21101A-B)</p> <p>(NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11-12 (recommended) ▪ Full year course - 1 credit ▪ Fee - \$97 for the cost of AP Art History exam that all students take in the spring ▪ College credit possible based on AP exam score 	<p>Students are also responsible for purchasing the textbook and workbook. (Prices vary depending upon online source.) An exciting course that will offer students not only a wonderful experience understanding history, but also the opportunity to create basic Art projects to emphasize and strengthen the understanding of each period in history. Students will travel down the timeline from Greek sculpture, Japanese ink drawings to modern Art of the 1990's. This course is for students who enjoy visual learning and who take pleasure in humanities courses as well as literature classes. It is designed to help prepare students to take the Advanced Placement test in Art History, which is required.</p> <p>AP credit will be given only if a student achieves a 3 or better on the final AP exam.</p>

WORLD LANGUAGE

OUR MISSION - The OFHS Spanish department aims to provide learners with consistent, comprehensible input of written and spoken Spanish, such that students naturally acquire the language and are able to interpret and produce Spanish independently.

SPANISH I (51106A-B) <ul style="list-style-type: none">▪ Open to Grade 9 - 12▪ Full year course - 1 credit	Spanish I is focused on interpretation of high-frequency Spanish words through written and spoken language. Students will listen to and read Spanish with an intent to understand. Spanish I focuses on cultural events and products that are relevant to the Spanish-speaking world. Spanish I students aim to develop a novice-mid level of proficiency.
SPANISH II (51107A-B) <ul style="list-style-type: none">▪ Prerequisite - Spanish I, recommend a C or better or instructor's consent to advance to the next level.▪ Open to Grades 10 - 12▪ Full year course - 1 credit	Spanish II continues to focus on high-frequency Spanish words, building on Spanish I knowledge with an increase in sentence complexity. Spanish II focuses on cultural events and products that are relevant to the Spanish-speaking world with an emphasis in Central America. Spanish II students aim to develop a novice-high level of proficiency.
SPANISH III (51108A-B) <ul style="list-style-type: none">▪ Prerequisite - Spanish I and II, recommend a C or better or instructor's consent to advance to the next level.▪ Open to Grades 11 - 12▪ Full year course - 1 credit	Spanish III is an extension of the previous courses offered, with an increased focus on writing and speaking in multiple tenses. Spanish III students aim to develop an intermediate-low level of proficiency.
SPANISH IV (51109A-B) <ul style="list-style-type: none">▪ Prerequisite - Spanish I, II, and III, recommend a C or better or instructor's consent to advance to the next level.▪ Open to Grade 12▪ Full year course - 1 credit	Spanish IV is the culmination of languages offered. The course emphasis is on conversation and literature. As in all previous levels, students will be expected to take an integral part in activities, which will extend their proficiency in the language. Spanish IV students aim to develop an intermediate-mid level of proficiency.

LANGUAGE ARTS

OUR MISSION - It is the intention of the Language Arts Department at Oconto Falls High School to provide all students with opportunities to become acquainted with a wide range of literary and critical works in all genres, e.g. epic poetry, drama, lyrical poetry, short stories, novels, literary criticism, biography, autobiography, essays, etc. Students also will be trained in the writing skills they will need to succeed in high school, college, and the world of work. The ultimate goal is to foster students' analytical and critical thinking skills that will enhance independent and informed thought, encourage appreciation for literature, and allow for articulate self-expression. **REQUIREMENT:** A student must be enrolled in Language Arts courses during each of the four years of high school. Additional Language Arts courses may be taken in a given semester based on student interest.

REQUIRED LANGUAGE ARTS CREDITS

LANGUAGE ARTS 9 (12101A-B)

- Required in Grade 9
- Full year course - 1 credit

Students in this course will expand their literacy skills in reading and writing in all four genres: fiction, nonfiction, drama, and poetry. Other areas of concentration will include grammar, vocabulary development, use of reference materials, and speaking skills.

- This course focuses on the introduction to literature and writing. This foundation will be built upon in upper-level classes.
- As a class we will study *To Kill a Mockingbird* by Harper Lee and *Romeo and Juliet* by William Shakespeare as well as read Independent Choice Novels.
- Students focus on building upon their knowledge of narrative writing, argumentative writing, informative writing, and research.
- Students will be assessed on their mastery of the State Standards for 9th and 10th grade English Language Arts.

LANGUAGE ARTS 10 (12122A-B)

- Required in Grade 10
- Full year course - 1 credit

Students in this course will continue to improve their language skills with a higher level of reading and writing through the exploration of world literature. Students will be assessed on their mastery of the approved state standards for 9th and 10th grade English Language Arts.

- The course is organized around the year-long theme "Everyone has a Voice."
- Students will read the following texts: *The Kite Runner*, *Antigone*, and Independent Choice Novels
- Students will produce a variety of writing, including: narratives, informational pieces, arguments, and a multi-genre research project.

LANGUAGE ARTS 11 (12124A-B)

- Required in Grade 11
- Full year course - 1 credit

Students in this course will continue to improve their language skills with a higher level of reading and writing in all four genres: fiction, nonfiction, drama and poetry with a main literary focus on American Literature. Another area of concentration will include the vocabulary development, usage, and analysis of literary devices. Students will be assessed on their mastery of the state standards for 11th and 12th grade English Language Arts.

- The course is organized around four main units: Building Foundations, Division & Reconciliation, The Search for Happiness & The American Dream, and American Problems
- Students will read the following texts: *The Crucible*, *The Great Gatsby*, *Fahrenheit 451*, and *Independent Choice Novels*
- Students will produce a variety of writing genres including: Narrative, Informative, Argumentative, and Literary Analysis

ELECTIVE LANGUAGE ARTS CREDITS**CREATIVE WRITING (12112)**

- Open to Grades 9 - 12
- Semester course - ½ credit

This course focuses on the joy and challenges inherent in writing creatively. Students will learn to write honestly and effectively in different forms including fiction, narratives, and poetry.

- The course is organized by quarter, with the first half primarily focusing on poetry genres and the latter half moving into narrative genres.
- Students will read examples of each genre as mentors prior to writing their own texts.
- Students will produce haikus, sonnets, short stories, and childrens books, among other genres of writing.

<p>DRAMATIC LITERATURE (12110)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 - 12 ▪ Semester course - ½ credit 	<p>Drama is a literary art; therefore, this is a literature course. Plays from different historical periods and genres will be studied, including such examples as tragedies, comedies, melodramas, and musicals. Utilizing both printed and filmed versions of scripts, students will apply reading and writing to become acquainted with dramatic elements and conventions. Students will also study the skills of playwrights and directors to analyze the relationship between dramatic literature as entertainment and as a reflection or influence on the culture.</p> <ul style="list-style-type: none"> • Possible texts used in class include: <i>Twelfth Night</i>, <i>The Importance of Being Earnest</i>, <i>The Good Doctor</i>, and <i>Our Town</i>. (Titles subject to change.) • Students will prepare written critiques based on viewed productions. • Students will be assessed on their mastery of the National Common Core Standards for 11th and 12th grade Writing, Reading, Language, and Speech, incorporated with the Wisconsin State Standards for Theatre.
<p>BEST SELLERS: LITERATURE WITH A CRITICAL LENS (12107)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>Best Sellers is a literature-based course focusing on best-selling literature from recent decades. Reading is emphasized with writing, speaking, and presenting integrated throughout the course.</p> <ul style="list-style-type: none"> • Students will read and study a significant body of literature in a variety of genres addressing contemporary and meaningful themes for young adults. Students will be reading fiction and non-fiction. Books are subject to change according to best selling books. • Writing will include reader response journals, critical analysis of literature, research, and essays of various types. • Class discussion, critical reading, tests, essays, and Independent Choice Novel projects are the primary forms of assessment.
<p>GENRE AND FILM (12106)</p> <ul style="list-style-type: none"> ▪ Open to Grade 12 ▪ Semester course - ½ credit 	<p>Meeting the benchmarks of the original English 12, this course will focus on the different genres of literature. Students will continue to improve their language skills with a higher level of reading and writing, centered on such genres as classics, mysteries, graphic novels, mythology, and contemporary literature, to name a few. Students will utilize films to add another component to studying the genres as they experience them in a different medium. Students will be assessed on their mastery of the National Common Core Standards for Eleventh-Twelfth grade Writing, Reading, Language, and Speech.</p>

	<ul style="list-style-type: none"> Students will utilize films to add another component to studying the genres as they experience them in a different medium. Students will read texts including: <i>Of Mice and Men</i>, <i>And Then There Were None</i>, and Independent Choice Realistic Fiction. (Titles subject to change.) Students will be assessed on their mastery of the National Common Core Standards for 11th and 12th grade Writing, Reading, Language, and Speech.
<p>NWTC ENGLISH COMPOSITION (12108)</p> <ul style="list-style-type: none"> Prerequisites - Grade 12 standing and earned a grade of "C" or higher in 2nd semester Language Arts 11 or received instructor approval Semester course - ½ credit <p>Dual credit course:</p> <ul style="list-style-type: none"> NWTC credit awarded if grade of C or higher earned Course # 10-801-136 3 credits 	<p>NWTC English Composition is a transcripted credit course that offers 3 general education technical college credits. This course provides an introduction to college level writing and allows learners to develop the knowledge and skills needed to plan, organize, and edit their writing. Students in this course will also analyze audience/purpose, use elements of research, format documents using standard guidelines, and develop critical reading skills. The course is required for most programs at NWTC and also transfers to several of the UW Colleges as the freshman level general education Language Arts class. NWTC English Composition appears on a college transcript in the same manner as if students were taking the course at NWTC. The course is free to students and uses a free online textbook.</p>
<p>ADVANCED PLACEMENT LITERATURE AND COMPOSITION (12133A-B)</p> <ul style="list-style-type: none"> Prerequisite – Grade 12 standing with a G.P.A. 3.0 or instructor approval. Full year course - 1 credit Fee - \$97 for the cost of the AP Literature and Composition Exam that all students take in the spring, optional \$97 for the cost of the AP Language and Composition Exam College credit possible based on AP exam score 	<p>Advanced Placement Literature and Composition is a rigorous, college-level, literature and writing course designed to cover the same content as a first semester college literature course. Students will conduct in-depth studies of various novels, dramas and poetry. Analytical writing and discussion skills are also an integral part of this course. As an added bonus, material from AP Language and Composition will be incorporated. At the end of the course the student will have an opportunity to take two tests to earn up to 12 college credits, depending on scores and transfer requirements.</p> <ul style="list-style-type: none"> Curriculum will be determined by the College Board approved syllabus each year. Students will rigorously read selected from the AP approved list. Students will produce writing aligned with the AP expectations, both timed and untimed.

FINE ARTS

DRAMA I (12117) (NOT A LANGUAGE ARTS CREDIT)

- Open to Grades 9 - 12
- Semester course - ½ credit

Introducing students to the dynamics of theater, this course serves as a resource for learning more about public speaking and performing. The class will focus on the units of theater history and origins; stage structures; theater personnel; characterization; and basic acting.

This course is part theory and part participation. Along with speaking, the standards of reading dramatic literature, writing, and research will be incorporated according to the Wisconsin State Standards for Theatre.

MATHEMATICS

OUR MISSION - In our math classrooms, we expect students to be engaged in the eight [Standards for Mathematical Practices](#) and to master the learning targets set forth by the [Common Core State Standards for Mathematics](#). Teachers will adhere to the eight Effective Mathematics Teaching Practices laid out by the National Council for Teachers of Mathematics.

ALGEBRA I (22104A-B) <ul style="list-style-type: none">▪ Open to Grades 9 -10▪ Full year course - 1 credit	Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This course focuses on the content standards and the practice standards of the Common Core State Standards for Mathematics using the College Preparatory Mathematics (CPM) curriculum. Course topics include functions, linear relationships, simplifying and solving expressions and equations, systems of equations, sequences, modeling two-variable data, exponential functions, quadratic functions, inequalities, and statistics. *Struggling students may be assigned to an intervention math class.
ALGEBRA INTERVENTION (22131A-B) <ul style="list-style-type: none">▪ Open to Grades 9 -10 with instructor's consent.▪ Full year course - 1 elective credit (Grade of "Pass" or "Fail")	Students struggling in algebra will be assigned to this intervention to review and preview topics discussed in Algebra I. Students may also receive individual instruction to fill in gaps of understanding as determined by standardized testing. Students must complete a full semester of intervention to be eligible for each $\frac{1}{2}$ credit.
GEOMETRY (22109A-B) <ul style="list-style-type: none">▪ Prerequisite - Algebra I or instructor's consent▪ Open to Grades 10 - 11▪ Full year course - 1 credit	Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This course continues to focus on the content standards and the practice standards of the Common Core State Standards for Mathematics using the College Preparatory Mathematics (CPM) curriculum. Course topics include transformations, angles and measurements, similarity, trigonometry, probability, congruency, polygons, circles, solids, constructions, and conics. *Struggling students may be assigned to an intervention math class.
GEOMETRY INTERVENTION (22132A-B) <ul style="list-style-type: none">▪ Open to Grade 10 with instructor's consent.▪ Full year course - 1 elective credit (Grade of "Pass" or "Fail")	Students struggling in geometry will be assigned to this intervention to review and preview topics discussed in Geometry. Students may also receive individual instruction to fill in gaps of understanding as determined by standardized testing. Students must complete a full semester of intervention to be eligible for each $\frac{1}{2}$ credit. **All intervention classes are elective classes and do not fulfill the math graduation requirement.

ALGEBRA II (22105A-B) <ul style="list-style-type: none"> ▪ Prerequisite – Geometry or instructor's consent ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit 	<p>Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This course continues to focus on the content standards and the practice standards of the Common Core State Standards for Mathematics using the College Preparatory Mathematics (CPM) curriculum. Course topics include functions, parent graphs, equivalent forms of expressions, systems of equations, logarithms, sequences, exponential functions, trigonometric functions, statistics, and series.</p>
ALGEBRA IIA (22107A-B) <ul style="list-style-type: none"> ▪ Prerequisite – Geometry or instructor's consent ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit 	<p>Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This course will cover the first semester of the standard Algebra II course. It continues to focus on the content standards and the practice standards of the Common Core State Standards for Mathematics using the College Preparatory Mathematics (CPM) curriculum. Course topics include functions, parent graphs, and equivalent forms of expressions, systems of equations, logarithms, sequences, and exponential functions.</p>
ALGEBRA IIB (22108A-B) <ul style="list-style-type: none"> ▪ Prerequisite – Algebra IIA or instructor's consent ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit 	<p>Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This course will cover the second semester of the standard Algebra II course. Course topics include conic sections, polynomial functions, rational expressions, exponential and logarithmic functions, sequences and series, trigonometric functions, and probability.</p>
ADVANCED GEOMETRY (22110A-B) <ul style="list-style-type: none"> ▪ Prerequisite - Algebra I or instructor's consent ▪ Open to students in Grade 9 ▪ Full year course - 1 credit 	<p>Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This course continues to focus on the content standards and the practice standards of the Common Core State Standards for Mathematics using the College Preparatory Mathematics (CPM) curriculum. Course topics include transformations, angles and measurements, similarity, trigonometry, probability, congruency, polygons, circles, solids, constructions, and conics.</p>
ADVANCED ALGEBRA II (22106A-B) <ul style="list-style-type: none"> ▪ Prerequisite - Advanced Geometry or instructor's consent ▪ Open to students in Grade 10 ▪ Full year course - 1 credit 	<p>Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This course continues to focus on the content standards and the practice standards of the Common Core State Standards for Mathematics using the College Preparatory Mathematics (CPM) curriculum. Course topics include functions, parent graphs, and equivalent forms of expressions, systems of equations, logarithms, sequences, exponential functions, trigonometric functions, statistics, and series.</p>

<p>COMPUTER SCIENCE PRINCIPLES (22114A-B) (NOT A MATH CREDIT)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Algebra I or instructor's consent ▪ Open to Grade 10 - 12 ▪ Full year course - 1 credit 	<p>Computer Science Principles is a rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational computer science topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.</p>
<p>PRE-CALCULUS (22121A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Algebra II or instructor's consent ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit 	<p>Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. This class is for students who are preparing to take calculus using the College Preparatory Mathematics (CPM) curriculum. Course topics include transformations of functions, area under a curve, logarithms, circular functions, limits, periodic functions, rates of change, vectors and parametric equations, and polar equations and complex numbers.</p>
<p>ST. NORBERT COLLEGE CALCULUS/AP CALCULUS (22113A-B)</p> <ul style="list-style-type: none"> ▪ St. Norbert College Prerequisites - PreCalculus, GPA 3.5 or better, St. Norbert Placement Exam and instructor recommendation ▪ AP Calculus Prerequisite - PreCalculus and/or instructor recommendation ▪ Open to Grade 12 ▪ Full year course - 1 credit ▪ Fee options: <ul style="list-style-type: none"> ○ Option 1: \$190 tuition for St. Norbert College Calculus only ○ Option 2: \$97 for the cost of the AP Calculus exam in spring only ○ Option 3: \$287 for St. Norbert College Calculus AND the AP Calculus exam <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ St. Norbert College credit awarded upon successful completion ▪ Course # Math 131 ▪ 4 credits <p>OR</p> <ul style="list-style-type: none"> ▪ College credit based on AP exam score 	<p>This St. Norbert College course to qualifying seniors provides the opportunity to earn four college credits and the completion of Math 131 Calculus I at SNC. Taught by a Oconto Falls High School faculty member, this course entails all subjects covered in a first semester college calculus course. Topics of both differential and integral calculus are covered. Successful completion results in college credit at SNC and transfer of credits to dozens of colleges and universities by arrangements through St. Norbert College. An option for all students in this course is to complete the Advanced Placement Calculus AB exam in May. The curriculum for this course also aligns to the College Board standards and at the end of the course, students will have the opportunity to take the AP Calculus Exam for a chance to earn AP credit. Each college decides how to accept AP credit, most colleges give AP credit if the student achieves a 3 or better on the final AP exam. The department recommends students to research future colleges and majors to see what requirements are necessary and then choose which option works the best for the individual.</p>

<p>STATISTICS (22118A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Algebra II ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit ▪ Optional fee- \$97 for the cost of the AP Statistics Exam in the spring (not required) ▪ College credit possible based on AP exam score (optional) 	<p>Students are required to have a graphing calculator for this course. The TI-84 Plus graphing calculator is recommended. It is intended for students entering careers in areas such as business, social sciences, engineering, computer sciences, or liberal arts. The College Preparatory Mathematics (CPM) Statistics curriculum will be used for this course. Course topics include data representations, data analysis, and probability. Students will have the option of taking the AP Statistics exam for a cost of \$95 (this is not a requirement of the course).</p>
<p>NWTC VOCATIONAL MATH (22111)</p> <ul style="list-style-type: none"> ▪ Prerequisites – Algebra I and Geometry ▪ Open to Grade 12 (Grade 11 with instructor's consent) ▪ Semester course - ½ credit (offered 1st semester) <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of C or higher earned ▪ Courses # 10-804-301 (1 credit) and #10-804-302 (1 credit) 	<p>This course provides the opportunity for the learner to develop the knowledge, skills, processes and understanding of whole numbers, fractions, decimals, measurement, trigonometry, integers, algebraic equations, word problems, and practical plane geometry. This course is intended for students planning to work towards a technical degree in fields such as welding, carpentry, masonry, machine CNC, automotive, electricity, and culinary arts.</p>
<p>NWTC TECHNICAL MATHEMATICS (22120)</p> <ul style="list-style-type: none"> ▪ Prerequisites - Algebra I and Geometry ▪ Open to Grade 12 (Grade 11 with instructor's consent) ▪ Semester course – 1/2 credit (offered 2nd semester) <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of C or higher earned ▪ Courses # 10-804-113 (3 credits) 	<p>This course provides the opportunity for the learner to develop the knowledge, skills, processes and understanding of percents, proportions, measurement, trigonometry, integers, solving algebraic equations, graphing, and computational geometry. This course is intended for students interested in attending technical college to pursue an associates degree.</p>

MUSIC

OUR MISSION - The Mission of the Oconto Falls High School Music Department is to provide students of all ages with a quality music education by maintaining high standards of excellence within the music curriculum.

Band and Choir students are required to participate in all activities which involve the entire ensemble. This includes all concerts and large group festivals and/or clinics.

*Music Department Attire

BAND: Band uniforms and hats are provided to each student by the district. Black marching shoes are required to be purchased by the student. Individual instruments are the responsibility of each student, unless arrangements are made through the band director.

CHOIR: Concert attire (formal concert dress/tuxedo ensemble) is provided to each student by the district. Black shoes are required to be purchased by the student.

***In cases of significant financial hardship for a family, support will be provided regarding performance attire to ensure that all students are able to fully participate.**

INSTRUMENTAL MUSIC - BAND/GUITAR

SYMPHONIC BAND (32102A-B) <ul style="list-style-type: none">▪ Open to Grades 9 - 12▪ Full year course - 1 credit	The instrumental music program provides development of performance skills: technical, stylistic, expressive, musical sensitivity and sight-reading. Required performances are held throughout the year.
BEGINNING GUITAR I (32105A) <ul style="list-style-type: none">▪ Open to Grades 9-12▪ Semester course - ½ credit	The Beginning Guitar I course focuses on guitar basics, including reading standard music notation, chords, and tablature. It is highly recommended that students provide their own classical guitar. This class is designed for beginning guitar students only.
BEGINNING GUITAR II (32106B) <ul style="list-style-type: none">▪ Prerequisite - Beginning Guitar I▪ Open to Grades 9 - 12▪ Semester course - ½ credit	A continuation of the knowledge and skills learned in Beginning Guitar I.

VOCAL MUSIC - CHOIRS

CHAMBER SINGERS (32108A-B) <ul style="list-style-type: none">▪ Prerequisite - instructor's placement▪ Open to Grades 10 - 12▪ Full year course - 1 credit	The vocal music program provides development of performance skills with varying degrees of difficulty. Chamber Singers will focus on advanced SATB choral repertoire, vocal technique, sight-reading, music terminology, and musicianship. Required performances will be held throughout the year.
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CANTABILE (32112A-B) <ul style="list-style-type: none"> ▪ Open to Grades 9 - 12 ▪ Full year course - 1 credit 	<p>The vocal music program provides development of performance skills with varying degrees of difficulty. Cantabile will focus on SSA choral repertoire, vocal technique, sight reading, music terminology, and musicianship. Required performances will be held throughout the year.</p>
CHORALE (32113A-B) <ul style="list-style-type: none"> ▪ Open to Grades 9 - 12 ▪ Full year course - 1 credit 	<p>The vocal music program provides the development of performance skills with varying degrees of difficulty. Chorale will focus on quality TTBB choral repertoire, vocal technique, sight reading, music terminology, and musicianship. Required performances will be held throughout the year.</p>
MUSIC THEORY	
MUSIC THEORY I (32109) <ul style="list-style-type: none"> ▪ Open to Grades 9 -12 ▪ Semester Course - ½ credit 	<p>This course is designed as an introduction to the written and aural aspects of music theory, especially designed to developmentally and sequentially study the fundamentals of music theory. This course lays an excellent foundation for students interested in learning more about theory fundamentals and music composition through the use of computer technology.</p>
MUSIC THEORY II (32110) <ul style="list-style-type: none"> ▪ Prerequisite - Music Theory I ▪ Open to Grades 9 - 12 ▪ Semester Course - ½ credit 	<p>This course builds on the material presented in Music Theory I. Students will develop skills necessary to apply the advanced principles of form and analysis to music composition.</p>
MUSIC TECHNOLOGY AND PRODUCTION (32116) <ul style="list-style-type: none"> • Open to students in Grades 9 - 12 • Semester Course - ½ Credit 	<p>In this project-based course, students will learn how to use software similar to GarageBand to write music of different styles with original and pre-written music tracks. We will explore music theory, form, elements of music, and compositional techniques that are present in pop, rock, jazz, classical, and film music. No prior music experiences are required!</p>

PHYSICAL EDUCATION & HEALTH

OUR MISSION - Oconto Falls Physical Education program is based upon quality instruction which leads to the acquisition of knowledge, skills, and attitudes that are the foundation for engaging in active lifestyles. The mission is to contribute to overall academic performance and readiness to learn by empowering all students to continuously develop physical, mental, social and emotional capabilities in order to sustain regular, lifelong physical activity for a healthy, productive, and fulfilling life. Activities are undertaken in an active, caring, supportive, and non-threatening atmosphere in which every student is challenged and successful through a comprehensive K-12 curriculum.

Three PE classes (1.5 credits) taken over three years and are required for graduation. Certain PE classes may be taken more than once for credit.

FRESHMAN PHYSICAL EDUCATION (42101) <ul style="list-style-type: none">▪ Required in Grade 9▪ Semester course - ½ credit	This course consists of a variety of individual and team activities such as weight-training/fitness, speedball, volleyball, pickleball, badminton, softball, basketball, archery, , cooperative games, snowshoeing, soccer, football, In-Line Skating and Backyard Games
HEALTH EDUCATION (42100A & B) <ul style="list-style-type: none">▪ Required for Grades 9 and 11▪ Semester course - ½ credit	The course studies the following health areas: Wellness, mental and emotional health, human growth and development, death and dying, ATOD, nutrition, sexually transmitted infections, adult CPR and standard first aid.
EXPLORATORY LEVEL - Students must choose at least two of the following classes to meet minimum state requirements.	
TEAM SPORTS (42102) <ul style="list-style-type: none">▪ Prerequisite - recommend Freshman Physical Education▪ Open to Grades 10 - 11▪ Semester course - ½ credit (can count towards a physical education requirement or elective credit if taken more than one)	This course will consist of units in team sports such as volleyball, basketball, soccer, speedball, softball, floor hockey, cooperative games, thro-ton, football, snow activities, fitness and physical fitness testing.
INDIVIDUAL/DUAL ACTIVITIES/SPORTS (42103) <ul style="list-style-type: none">▪ Prerequisite - recommend Freshman Physical Education▪ Open to Grades 10 - 11▪ Semester course - ½ credit (can count towards a physical education requirement or elective credit if taken more than one)	This course consists of individual and dual fitness activities that can be pursued in and outside of school. Students will also develop a clear understanding of fundamental skills, activity philosophies, and/or rules of competition.

<p>PERSONAL FITNESS/WELLNESS (42107)</p> <ul style="list-style-type: none"> ▪ Prerequisite - recommend Freshman Physical Education ▪ Open to students Grades 10 - 12 ▪ Semester Course - $\frac{1}{2}$ credit (can count towards a physical education requirement or elective credit if taken more than once) 	<p>Students are able to take this course more than once for credit. Students will develop an understanding of the five functions of fitness and how it impacts overall wellness. Students will create and implement personal workout plans/routines. Students will learn about flexibility, muscle endurance, muscle strength, body composition, cardio health, best practices in health, strength and conditioning principles, warm-up/cool-down strategies, stretching practices, and band work.</p>
<p>CONDITIONING AND STRENGTH TRAINING (42104A & B)</p> <ul style="list-style-type: none"> ▪ Prerequisite – recommend Freshman Physical Education ▪ Open to students in Grades 10 - 12 (grade 9 with instructor's consent and class space) ▪ Semester course – $\frac{1}{2}$ credit elective (can count towards a physical education credit or elective credit if taken more than once) 	<p>Students are able to take this course more than once for credit. A program that works on several areas for individual fitness and wellness, included are: Weightlifting, conditioning, plyometrics, and some nutrition. Students will apply functions of fitness to build muscle strength and endurance in order to develop athletic advantage and promote injury prevention.</p>
<p>COMPETITIVE LIFETIME SPORTS 12 (42109)</p> <ul style="list-style-type: none"> ▪ Open to Grade 12 ▪ Semester course - $\frac{1}{2}$ credit (can count towards a physical education credit or elective credit) 	<p>This course consists of units in lifetime sports. Units will strive to master skills and techniques while performing at a competitive level. A student that has displayed a good attitude, sportsmanship, is self-disciplined, and has good work ethics can take this course. This course is the culmination of high school physical education learning to create an enjoyment for lifetime fitness and participation/effort at a high level.</p>

SCIENCE

OUR MISSION - The mission of the OFHS Science Department is to present science as a rational and systematic observation, identification, description, experimental investigation, and theoretical explanation of natural phenomena. Application of these principles will be emphasized in the following sciences: Physics, Chemistry, Biology, Astronomy, Anatomy, Physiology, Genetics, and Biotechnology.

The OFHS Science Department will stress the importance of critical thinking and logical reasoning using various methods of investigation, such as observation, comparison, experimentation, and mathematical manipulation of data.

The OFHS Science Department is also committed to the concept that science has a practical application and has to be understood in a larger cultural context. It is through inquiry that students are able to view science as an interdisciplinary study applicable to society.

BIOLOGY (13102A-B) <ul style="list-style-type: none">▪ Required in Grade 9▪ Full year course - 1 credit	The major purpose of this laboratory-based course is to provide an understanding of the basic biological concepts: the diversity of organisms; the cell; heredity; matter, energy, and organization of living systems; evolution of living systems; physiology; the biosphere and interdependence of abiotic and biotic factors. Focus is on active student participation in laboratory investigations and the development of critical-thinking skills. Biology lays the foundation for further studies in Biology and also serves as an Advanced Placement Biology readiness course.
CHEMISTRY (13105A-B) <ul style="list-style-type: none">▪ Prerequisites - Biology and Algebra I▪ Open to Grades 10 - 12▪ Full year course - 1 credit	This course is appropriate for science graduation requirements and for students planning on attending a technical college or a 4-year college without pursuing a science or health related career. The course covers a number of topics, including classification of matter, scientific measurement and data analysis, atomic chemistry, chemical reactions, chemical bonding, stoichiometry, and applied mathematics. The course offers many hands-on projects with a problem solving and teamwork approach. A scientific calculator and chemical splash goggles are required.
ANATOMY & PHYSIOLOGY (13110) <ul style="list-style-type: none">▪ Prerequisite - Biology▪ Open to Grades 10 - 12▪ Semester course - ½ credit	Detailed investigation into the major systems of the human body. The location, structure and function of the major organs of the human body and their role in maintaining life. Recommended for those students interested in pursuing a career in biological/health related fields.

<p>NWTC GENERAL CHEMISTRY (13106A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisites - Biology, recommended concurrent enrollment in Algebra II ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of "C" or higher earned ▪ Course # 10-806-134 ▪ 4 credits 	<p>NWTC General Chemistry is a transcribed course worth four NWTC General Education credits (which will transfer as elective credits to most UW-system schools). This course offers a traditional comprehensive chemistry curriculum that prepares students for post-secondary science classes. A classroom set of textbooks is available, however students may purchase an NWTC textbook which may cost up to \$150, depending on textbook prices. General chemistry is recommended for any student planning to study science or enter a health-related field after graduation. Topics include the metric system, problem-solving, periodic relationships, chemical reactions, chemical equilibrium, properties of water, properties of acids, bases, and salts, gas laws, and nuclear chemistry. Students will be required to demonstrate an understanding of the principles through applications and lab situations. A scientific calculator and chemical splash goggles are required. This course may require participation in the annual STEM Symposium.</p>
<p>PHYSICS (13108A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisites - Biology, Algebra I ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit 	<p>Physics will integrate mathematics and conceptual theory to explain the physical world. First Semester will cover Newtonian Mechanics (Kinematics, Forces, Energy, and Momentum) while the Second Semester will cover Harmonics (Waves), Rotational Dynamics, Electric Fields, DC Circuits, and Electromagnetism. This class is highly recommended for students planning on attending a 4-year university</p>
<p>ASTRONOMY (13111)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Biology (may be taken concurrently) ▪ Open to Grades 9 - 12 ▪ Semester course - ½ credit 	<p>This is a conceptual course that will study the Size and Scale of the Universe, Motions of the Earth, Gravity, Spacecraft, Orbits, Stars, Stellar Evolution, Properties of Light, and Astrobiology.</p>
<p>GENETICS/BIOTECHNOLOGY (13112)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 - 12 ▪ Semester course - ½ credit 	<p>This course will deal with the genetics of people, plants and animals. Students will explore different crosses of plants and animals through experiments and labs. Students will be investigating DNA, mitosis and meiosis. Students will work with principles of biotechnology. In addition, this science-based laboratory course focuses on using scientific processes. Students will also see how genetics and biotechnology has played a role in society and how it will continue to create discussions.</p>

<p>INTRODUCTION TO ORGANIC CHEMISTRY (13107)</p> <ul style="list-style-type: none"> ▪ Prerequisite - completion of Chemistry with a grade of “B-” or higher OR NWTC General Chemistry with a grade of “C+” or higher ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>Introduction to Organic Chemistry prepares students for further study in science at a college level, and is strongly recommended for any student following a health field pathway. An introduction to organic chemistry and biochemistry principles will be the focus of study during this semester course. Students are required to demonstrate an understanding of the principles through applications and lab situations. Scientific Calculator and chemical splash goggles are required.</p>
<p>ENVIRONMENTAL IMPACT (13122)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Biology ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>In this course students will study environmental science from a service-learning perspective. How do we as individuals make a positive lasting impact on the community that we are a part of? Learn how to take a scientific look at our society and world and use environmental science to solve the problems we face now and in YOUR future.</p>
<p>ADVANCED PLACEMENT BIOLOGY (13104A-B) (NOT OFFERED 2023-24; OFFERED 2024-25)</p> <ul style="list-style-type: none"> ▪ Prerequisites - completion of Biology (grade of “B” or higher suggested), Chemistry (may be taken concurrently or waived with instructor’s approval), GPA of 3.0 (suggested) ▪ Open to Grades 11 - 12 (or with instructor approval for Grade 10 students who meet requirements) ▪ Full year course - 1 credit ▪ Fee- \$97 for the cost of the AP Biology Exam that all students take in the spring. ▪ College credit possible based on AP exam score 	<p>This course is for those students who have explored the full range of science offerings and now want to concentrate on one area of study. It is an intense study in Biology helping prepare the student to take the Advanced Placement test in Biology, which is required. AP credit will be given only if the student achieves a 3 or better on the final AP exam. This course may require participation in the annual STEM Symposium.</p>

**UWGB HUMAN BIOLOGY (13118A-B)
(OFFERED 2023-24; NOT OFFERED
2024-25)**

- Prerequisite - 3.0 GPA (recommended)
- Open to Grades 10 - 12
- Full year course - 1 credit
- **Fee- \$300 tuition cost**

Dual Credit Course:

- UW-Green Bay credit awarded
- Course # HUM BIOL 102
- 3 credits

This course provides the student with a broad overview of biology with respect to humans. It is designed to explore human biology as a process, evolution, energy transfer, continuity and change, the relationship of structure to function, regulation, interdependence in nature, and the unified understanding of human biology as it pertains to science, technology, and society. This course provides lectures and lab experiences which challenges students to think scientifically as well as increasing all aspects of scientific literacy. A classroom set of textbooks is available, however students may optionally purchase the required UWGB textbook. This cost could be approximately \$140, depending on textbook prices. This course may require participation in the annual STEM Symposium.

**ADVANCED PLACEMENT PHYSICS I
(13109A-B)**

- Prerequisites - Algebra II (grade of "B" or higher recommended)
- Open to Grades 11 - 12
- Full year course - 1 credit
- **Fee- \$97 for the cost of the AP Physics exam that all students take in the spring.**
- **College credit possible based on AP exam score**

AP Physics I is equivalent to a first-semester college course in algebra based physics. The course will cover Newtonian Mechanics (Kinematics, Forces, Energy, Momentum, Uniform Circular Motion, Rotational Dynamics, and Harmonics). AP credit will be given only if the student achieves a 3 or better on the final AP exam. This course may require participation in the annual STEM Symposium.

**ADVANCED PLACEMENT PHYSICS II
(13121A-B)**

- Prerequisites - Algebra II, AP Physics I
- Open to Grades 11 - 12 (teacher recommendation)
- Full year course - 1 credit
- **Fee- \$97 for the cost of the AP Physics exam that all students take in the spring.**
- **College credit possible based on AP exam score**

AP Physics II is equivalent to a second-semester college course in algebra based physics. The course will cover fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. AP credit will be given only if a student achieves a 3 or better on the final AP exam.

**NWTC MEDICAL TERMINOLOGY (13114)
(OFFERED 2023-24; NOT OFFERED
2024-25)**

- Prerequisite - Biology
- Open to Grades 11 - 12
- Semester course - ½ credit

Dual credit course:

- NWTC credit awarded if grade of "C" or higher
- Course # 10-501-101
- 3 credits

This course provides the opportunity for the learner to develop the knowledge, skills, process, and understanding of the component parts of medical terms: prefixes and suffixes, and word roots. Students will practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition, and pronunciation. Introduction to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

SOCIAL STUDIES

OUR MISSION - The Social Studies Department at Oconto Falls High School Strives:

- ✓ To help students see the world from different perspectives-those of the historian, the geographer, the economist, the political scientist, the psychologist, the lawyer and other social scientists-and apply the different tools and techniques of each discipline in critical thought.
- ✓ To guide our diverse student population in realizing their potential, and their responsibilities, as citizens of a democratic nation and members of our local community.
- ✓ To promote knowledge of the core content of historical, political, economic, legal and social issues of our world, our nation, and our community.
- ✓ To foster an understanding of the processes which are critical to solving complex problems, and to engage students in the regular practice of these problem-solving skills.
- ✓ To develop community outreach opportunities which will engage students in real world situations to practice the 21st century skills learned in the social science classes.

WORLD HISTORY (23101A-B) <ul style="list-style-type: none">▪ Required in Grade 9▪ Full year course - 1 credit	World History is a survey course providing a general overview of the modern world since the Age of Revolutions. The course is organized around the themes of revolution, industrialization, imperialism and nationalism as major forces in world history. Other major themes include continuity and change, geography and history, political and social systems, religion and value systems, economics and technology, diversity, impact of the individual and global interaction between nation-states.
U.S. HISTORY (23102A-B) <ul style="list-style-type: none">▪ Required for Grade 10▪ Full year course - 1 credit	This course focuses on the political, cultural and social history of the United States from the Revolution through the present day. The course is arranged to help students acquire a greater understanding of the political history of the United States and its emerging role as the dominant power in world affairs. Major themes include constitutional concerns, cultural diversity, pursuing the American Dream, immigration and migration, economic opportunity, geography, science and technology. By studying the political, social, economic and aesthetic dimensions of United States history, students will begin to make linkages between the past and present.

<p>ADVANCED PLACEMENT U.S. HISTORY (23104A-B)</p> <ul style="list-style-type: none"> ▪ Open to Grade 10 (in place of regular U.S. History) ▪ Full year course - 1 credit ▪ Fee - \$97 for the cost of the AP U.S. History exam in the spring ▪ College credit possible based on AP exam score 	<p>The AP U.S. History course focuses on the development of disciplinary practices and reasoning skills and an understanding of content organized around seven themes: American and National Identity; Politics and Power; Work, Exchange, and Technology; Culture and Society; Migration and Settlement; Geography and the Environment; and America in the World. The course is divided into nine chronological periods: 1491-1607; 1607-1754; 1754-1800; 1800-1848; 1844-1877; 1865-1898; 1890-1955; 1955-1980; and 1980-present. With focus on the key historical thinking skills, this course culminates with the AP exam in May.</p> <p>This course will require summer assignments.</p>
<p>MODERN AMERICAN/ECONOMICS (23103A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - U.S. History or AP U.S. History (or instructor's consent) ▪ Required in Grade 11 ▪ Full year course - 1 credit 	<p>Modern American is a course that studies the events of recent United States history and applies them to today. While applying the events of recent U.S. History, The Modern American will take a closer look at our government: U.S., State, and local and apply the role of the American Citizen in this government and the American role in the world and the American economy. The second part of this course provides students with a study of the American economic system. Emphasis is on a reasoned and conceptual approach to economic understanding and decision making. Major areas of concentration include concepts of scarcity, supply and demand, markets, business organization, monetary and fiscal policy. Current economic affairs are constantly interjected as they facilitate and contribute to the student's role as a producing and consuming member of the American economic system.</p>
<p>CONFLICTS AND SOCIAL CRISES (23105)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>This course is meant for students desiring a deeper understanding of major events defining and shaping the world in which we live. Students will research and analyze the historical underpinnings of the major political, social, and economic events affecting the United States and the World throughout the 21st Century. From the buildup to World War I, through the Great Depression and World War II, on through the Cold War, taking a stop to visit the social upheaval of the 1960s, and evaluating the important topics of our modern world</p> <p>This course emphasizes academic writing skills to prepare students for the rigors of college writing. Critical thinking skills are emphasized as well as classroom discussion and debate.</p>

<p>HISTORY THROUGH LITERATURE AND FILM (23111)</p> <ul style="list-style-type: none"> ▪ Prerequisite - must have attempted World History and U.S. History (or instructor's consent) ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>The purpose of this course is to examine history through the lens of different media and will be based on three broad questions:</p> <ul style="list-style-type: none"> • To what extent are historical fiction and film legitimate historical sources? • What are the changing perspectives of historical events? • What role does social media play in our understanding of history? <p>In addition to reading excerpts of various media sources and watching films about different historical events, students will also examine primary and secondary sources in order to critically analyze the accuracy of these fictional works and to further create an understanding of the historical period presented. This course treats fiction and films as texts deserving the same skills of critical thinking and analysis as any other sources used within a history class and is, therefore, reading, writing, and research intensive.</p>
<p>INTRODUCTION TO PSYCHOLOGY (23107)</p> <ul style="list-style-type: none"> ▪ Prerequisite - 2.5 minimum GPA or instructor's consent ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>The introduction to Psychology course is designed to introduce students to the study of the behavior and mental processes of human beings. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods psychologists use in their science and practice. Major content areas covered include history and approaches, research methods, biological bases of behavior, states of consciousness, learning, cognition, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology.</p>

CIVIC LEADERSHIP I (23110)**(NOT OFFERED 2023-24)**

- Open to Grades 10 - 12
- Semester course - ½ credit

Some of the most important skills students need when leaving school can be learned through the ideas of civic leadership.

This list includes skills such as leadership and responsibility, communication and collaboration, critical thinking and problem solving, flexibility and adaptability, initiative and self-direction, social and cross-cultural skills. All of these skills can be learned through the hands-on activities of civic leadership.

Topics to be covered in this course may include, but would not be limited to: what it means to be a leader; how to set goals; how to work with a team; how to make decisions and solve problems; how to manage time and be organized; various forms of communication; the importance of service; and the importance of civic engagement in the world today. Students will be engaged in activities in and outside the classroom that would make them better prepared citizens for the world they will enter outside of high school. They will make connections within the community and surrounding areas as well as working as a cohesive group to make things happen.

CIVIC LEADERSHIP II (23112)**(NOT OFFERED 2023-24)**

- Prerequisite - Civic Leadership I with grade of "C" or higher
- Open to Grades 11 - 12
- Semester course - ½ credit

Students in this course will put into action the skills they learned in Civic Leadership I, and those skills introduced by the other leadership organizations in the high school. Helping facilitate activities with the Civic Leadership I class, and being active members in student organizations with leadership responsibilities are examples of opportunities that students will have to increase their leadership potential in the high school and community. Students will also use their leadership skills to research, plan, and implement a sustainable service learning project/program. Over the course of the semester, students will be engaged in activities in and outside the classroom that would continue to make them better prepared citizens for the world they will enter outside of high school. They will make connections within the community and surrounding areas as well as working as a cohesive group to make things happen. Coursework would include hands-on activities and involvement and basic writing assignments and evaluations.

<p>ADVANCED PLACEMENT PSYCHOLOGY (23108A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisites - minimum 3.0 GPA and instructor's consent ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit ▪ Fee - \$97 for the cost of the AP U.S. History exam in the spring <p>Dual Credit Course:</p> <ul style="list-style-type: none"> • Advanced Placement • College credit possible based on AP exam score 	<p>The purpose of AP Psychology is to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also will build an understanding of behavior from the psychophysiological, cognitive, social, and clinical perspectives; important issues, methods, and findings in the study of the psychological process. Major content areas covered by the AP examination include, 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. Coursework will include college level reading and writing, individual and group laboratories and projects, supplemental summer reading, and journaling.</p> <p>This course will require completion of summer assignments.</p>
<p>AP EUROPEAN HISTORY (23100A-B) (NOT OFFERED 2023-2024)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit ▪ Fee- \$97 for the cost of the AP European History exam that all students take in the spring + course workbook ▪ College credit possible based on AP exam score 	<p>The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. This course explores the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse.</p>

COURSE DESCRIPTIONS FOR CLASSES OFFERED THROUGH SPECIAL EDUCATION

Special education includes support and services necessary for a student with disabilities as identified by IDEA to participate and progress in the general education curriculum and to successfully transition from high school to a post-secondary environment.

- **All classes are open only to students who are presently in a special education program.**
- **Permission to participate in classes must be determined and given by the student's case manager and IEP Team.**

SPECIAL EDUCATION ENGLISH

TRANSITIONAL ENGLISH (33105A-B)

Open to students with recommendation of case manager and IEP team

Full year course - 1 credit

This course is designed for students who test at the Minimal level on standardized testing in reading and language. It provides instruction to promote the basic skills of vocabulary development, reading comprehension, written language, and oral expression.

GENERAL ENGLISH I (33106A-B)

Open to students with recommendation of case manager and IEP team

Full year course - 1 credit

This course will help students to develop their writing skills, concentrating on grammar, vocabulary, and the usage of reference materials. The students will also be introduced to literature.

GENERAL ENGLISH II (33107A-B)

Open to students with recommendation of case manager and IEP team

Full year course - 1 credit

This course focuses on speech communication, with an emphasis on listening skills, verbal communication, and vocabulary development. Novel reading will be introduced, as well as different types of writing – narrative, descriptive, and persuasive. Essay writing using topic sentences, supporting sentences, and transition sentences will be emphasized.

GENERAL ENGLISH III (33108A-B)

Open to students with recommendation of case manager and IEP team

Full year course – 1 credit

This course is a study of short literary works, including short stories - fiction and nonfiction, and novel reading. Grammar skills and vocabulary development will be emphasized.

GENERAL ENGLISH IV (33109A-B)

Open to students with recommendation of case manager and IEP team

Full year course - 1 credit

This will be a review of grammar, punctuation, spelling, paragraph writing, business techniques, novel reading, and transition skills for after high school.

SPECIAL EDUCATION MATH

Some students who have shown to have a math disability are not required to take Algebra I. All students exempt from taking Algebra I are required to obtain a minimum of 3 credits in other math classes.

BASIC MATH (33125A-B)

Open to students with recommendation of case manager and IEP team

Full year course - 1 credit

This course will cover basic math concepts for students, as they are applied to real world situations. This course will cover addition, subtraction, multiplication and division within the context of applying basic math concepts to everyday activities. This course may prepare students to engage in General Math 1, but is also highly individualized for students with very unique learning needs.

GENERAL MATH 1 (33121A-B)

Open to students with recommendation of case manager and IEP team

Full year course – 1 credit

This course develops a critical foundation of numerical understanding and fluency. Topics covered include division and multiplication, as well as fractions and decimals. This course develops students' knowledge in how to represent and solve problems with multiplication, division and the four operations with whole numbers. It also includes instruction on how to apply and extend previous understandings of multiplication and division to divide fractions by fractions. This course is designed to strengthen a student's problem-solving skills and will include instruction designed to provide most students with the skills necessary to move into General Math 2.

GENERAL MATH 2 (33122A-B)

Open to students with recommendation of case manager and IEP team

Full year course – 1 credit

This course builds on number and operations and focuses on proportional, linear, and functional relationships. This course develops students' knowledge of rates, ratios, percent, and proportional relationships, as well as linear relationships, functions, graphing and systems of equations. This course is designed to strengthen a student's problem-solving skills and will include instruction designed to provide students with the skills necessary to move into either Algebra 1, Consumer Math or NWTC Trades Math, when grade eligible.

CONSUMER MATH (33124A-B)

Open to students with recommendation of case manager and IEP team

Full year course - 1 credit

This course is designed to provide students with the skills necessary to become confident consumers.

Instruction is intended to prepare students for both the TABE and Accuplacer exams. Concepts covered will include: Fractions, Decimals, Percentages, Algebraic Concepts, Geometry concepts, Credit and Budgeting.

SPECIAL EDUCATION SCIENCE

BASIC SCIENCE (33117A-B)

With recommendation of case manager and IEP team

Full year course - 1 credit

This course offers a comprehensive, systematic overview of key scientific concepts. It is especially useful for students who require extra attention or need additional assistance. Fundamental concepts are presented at an appropriate pace while maintaining rigor with appropriate differentiation and interventions.

SPECIAL EDUCATION ELECTIVE

TRANSITION SKILLS (33101A-B)

Full year course - 1 credit

The purpose of this class is to teach special education students to learn about their specific disabilities and how it affects their specific transition goals as outlined in the post-secondary transition plan. This class will give instruction and activities that will support and teach students how to navigate different support systems to better prepare them to be college and career ready.

SOCIAL DEVELOPMENT (33100A-B)

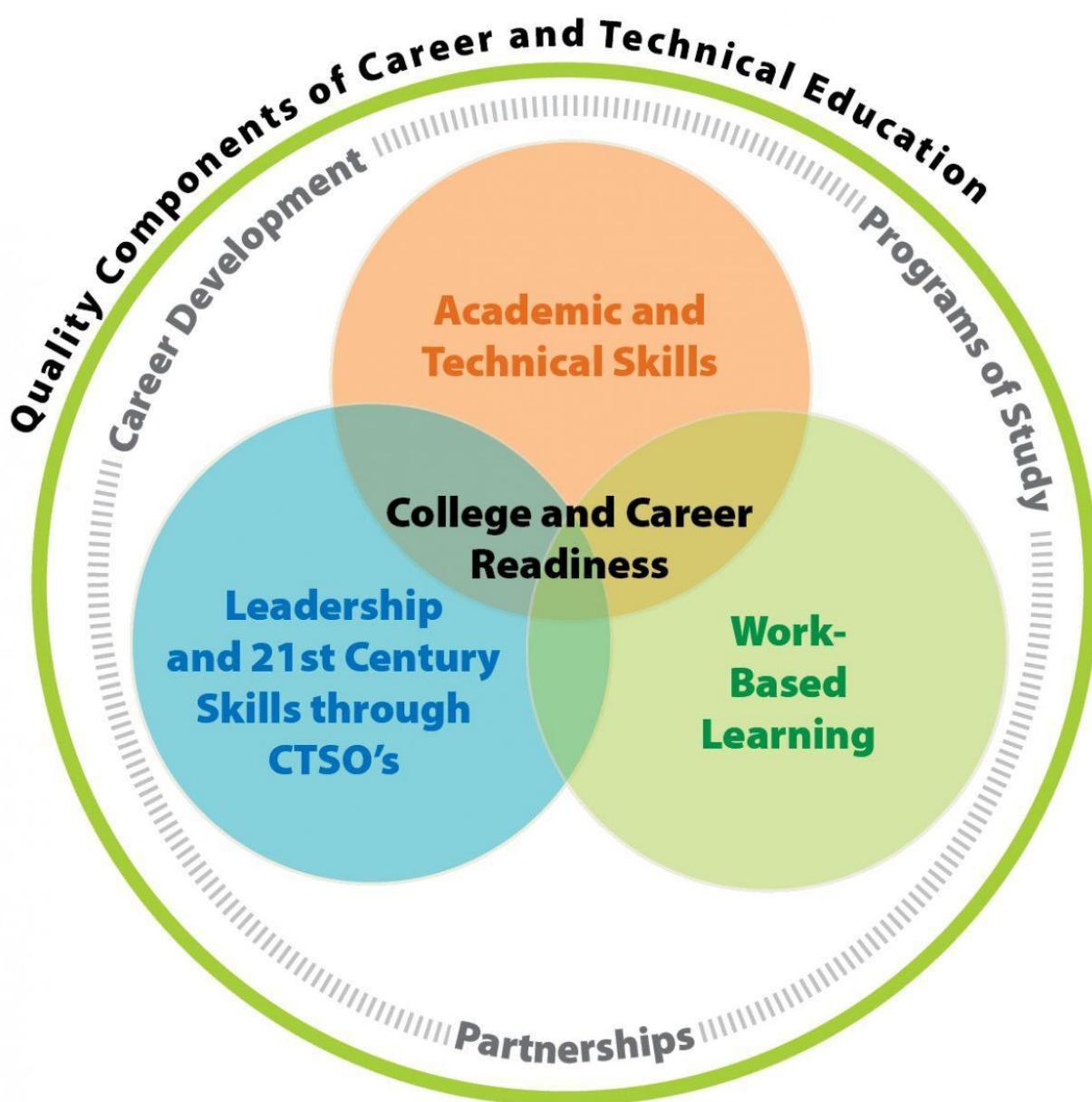
Semester course - ½ credit OR

Full year course - 1 credit

Students will gain the tools that will enable them to appropriately communicate, learn, ask for help, get needs met in acceptable ways, get along with others, make friends, develop healthy relationships, protect themselves, and interact in society and the workplace successfully.



Career and Technical Education (CTE) in Wisconsin develops students who are prepared for postsecondary education and career success. CTE teachers are critical in preparing the next generation of students for success in the global workforce. A high quality CTE program enhances family, business, and community engagement. [Click here](#) to access more information on why a high quality CTE program is essential in getting students college and career ready.



AGRICULTURAL ED

BUSINESS ED

TECHNOLOGY ED

AGRICULTURE

OUR MISSION - The OFPS Agricultural Education program prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber, and natural resources systems (AFNR).

INTRODUCTORY COURSE / AFNR PATHWAYS EXPLORATION

AGRISCIENCE (11102) <ul style="list-style-type: none">• This course is a prerequisite to other courses in the department• Open to Grades 9 - 10• Semester course - ½ credit	This intro-level course will begin your grassroots effort in understanding the AFNR industry including the exploration of career areas through farm and agribusiness tours, industry speakers, and hands-on projects and activities. Topic areas include plant science, animal science, environmental sciences, food science, and agribusiness. Students will also learn about the FFA and have the opportunity to become involved in Career Development Events (CDE's), Supervised Agricultural Experiences (SAE's), and leadership development activities, which include managing time, speaking professionally, organizing information, and carrying out large scale projects. This course is a prerequisite to other courses in the department.
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ANIMAL SYSTEMS PATHWAY COURSE OPTIONS

PET/COMPANION ANIMAL CARE (11108) (NOT OFFERED 2023-24; OFFERED 2024-25) <ul style="list-style-type: none">• Prerequisite - Agriscience (or instructor's consent)• Open to Grades 9 – 12• Semester course - ½ cr	This course provides students with practical knowledge of pet care and explores career opportunities in the pet industry. Care, management and, where appropriate training of traditional pets such as cats, dogs, birds, fish, guinea pigs and hamsters; working animals like dogs and exotic animals such as reptiles and amphibians will be addressed. Topics include nutrition, health management, reproductive management, diseases, and safety. Students will be exposed to a wide variety of pet and companion animals in the classroom or on tours and will hear presentations and observe demonstrations by veterinarians, other animal care workers such as kennel owners, trainers and groomers.
AQUACULTURE (11101) <ul style="list-style-type: none">• Prerequisite - Agriscience (or instructor's consent)• Open to Grades 10 - 12• Semester course - ½ credit	The aquaculture industry is more important than ever before. With overfishing, polluted waters, and a demand for more food, our current ecosystems cannot handle the pressure, so we are turning to methods of raising fish in various farming systems on land and at sea. This course uses a hands-on approach to 21st agriculture utilizing our resources of water to farm fish for human consumption and the pet industry. . This will include all of the production aspects of fish through harvest, filleting, etc. Species of fish include several freshwater and tropical species. Students gain tremendous knowledge and appreciation for our water resources and water quality.

<p>NWTC AQUACULTURE/AQUAPONICS (FORMERLY AQUASCIENCE) (11126)</p> <ul style="list-style-type: none"> Prerequisite - Agriscience (or instructor's consent) and Aquaculture Open to Grades 10 - 12 Semester course - ½ credit <p>Dual credit course:</p> <ul style="list-style-type: none"> NWTC credit awarded if grade of "C" or higher earned Courses # 10-090-115 2 credits 	<p>Investigate hydroponic plant growing and fish farming operations; designs, suitable species, maintenance, costs efficiencies and yields. Plan a system, develop a budget, explore markets, trends, and analyze benefits and obstacles in this business.</p>
<p>HORSE CARE MANAGEMENT (11115) (OFFERED 2023-24; NOT OFFERED 2024-25)</p> <ul style="list-style-type: none"> Prerequisite - Agriscience (or instructor's consent) Open to Grades 9 - 12 Semester course - ½ credit 	<p>The equine industry is a diverse industry that supports a wide variety of activities in all regions of the United States. The industry combines rural activities such as breeding, training and maintaining with the more urban activities such as racetracks, horse shows, and public sales. The topics of study include breed identification, anatomy, physiology, reproduction, behavior, husbandry, marketing and nutrition. Students will have opportunities for hands-on lab activities and field trips to gain practical knowledge of the equine industry. When appropriate, guest horses will be brought in to enrich student learning. During such times, all Wisconsin safety regulations will be followed to ensure student safety. This course is appropriate for students with or without prior practical experience with horses. This course will also address FFA and Supervised Agricultural Experiences. This course may be offered in the distance education lab by an Oconto Falls instructor.</p>
<p>PRODUCTION ANIMAL SCIENCE (11114) (OFFERED 2023-24; NOT OFFERED 2024-25)</p> <ul style="list-style-type: none"> Prerequisite - Agriscience (or instructor's consent) Open to Grades 9 - 12 Semester course - ½ credit 	<p>This course explores the many aspects of food animal production including dairy and beef cattle, sheep, swine, dairy and meat goats, and poultry. Students will learn to identify the major breeds and to evaluate conformation of each species. General principles of animal nutrition, housing, health management, reproduction, and marketing will be covered plus specific requirements for each species. Hands-on activities include ration formulation, development of meat animal production plans and design of animal housing. Farm field trips will demonstrate the animal management principles covered. Class presentations by producers, veterinarians, ration advisors and others will increase student awareness of career opportunities in food animal production. This course will also address FFA and Supervised Agricultural Experiences.</p>

<p>VETERINARY SCIENCE (11123) (NOT OFFERED 2023-24; OFFERED 2024-25)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 11 - 12 • Semester course - ½ credit 	<p>Veterinary Science explores the career field of animal medicine. Students will learn hands-on the job of a veterinarian. Laboratories involving animal surgeries and care techniques will be included. Students will study different animal body systems and learn how medical techniques affect each system. Animal evaluation, disease diagnosis, animal handling, and vaccinations will all be covered. Students may work with a local veterinarian in a job shadow program, seeing the day to day work schedule involved. Animals to be studied include cattle, horses, pigs, sheep, cats, dogs and exotic pets. This course may be offered in the distance education lab by an Oconto Falls instructor. This course will also address FFA and Supervised Agricultural Experiences.</p>
PLANT SYSTEMS PATHWAY COURSE OPTIONS	
<p>FLORICULTURE & LANDSCAPING (11107)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 10 - 12 • Semester course - ½ credit 	<p>Horticulture is a beautiful division of the agriculture industry with subdivisions of floricultural and landscaping.. Flowers, plants, and outdoor spaces enhance our living and work spaces. Skills you will practice include floral design, plant identification, design principles, exterior and interior scaping techniques, site assessment, and landscape maintenance. You will be implementing horticulture theories and applying them into real-life scenarios at school, home, and around our community. Test your creative mind by creating holiday and special arrangements along with designing the landscape. This course will also address FFA and Supervised Agricultural Experiences.</p>
<p>FVTC HORTICULTURE INTRODUCTION (11125) (FORMERLY GREENHOUSE MANAGEMENT)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 10 - 12 • Semester course - ½ credit <p>Dual credit course</p> <ul style="list-style-type: none"> ▪ FVTC credit awarded if grade of "C" or higher earned ▪ Courses # 10-001-111 ▪ 3 credits 	<p>Explore the horticulture industry, plant culture, identification, propagation, physiology, selected aspects of the horticulture industry including fruits, vegetables, ornamentals, greenhouse systems, landscape techniques, home gardens, and turf.</p>

<p>THE PLANT DOCTOR (11099) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 11 - 12 • Semester course - ½ credit 	<p>Topics during this class will be dedicated to the following segments: agronomy, greenhouses, ornamental plants, landscaping turf, gardens, forests, fruit farming and much more. You will practice how to safely and properly maintain a plant species by calibrating prayers, mixing solutions, pruning, fertilizing, and other 21st century disease mitigation practices.</p>
<p>ENVIRONMENTAL & NATURAL RESOURCE SYSTEMS PATHWAYS COURSE OPTIONS</p>	
<p>WILDLIFE & FORESTRY (11106)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 10 - 12 • Semester course - ½ credit 	<p>The best hunters know their prey and the best preservationists know what they are trying to preserve. In Wildlife and Forestry, students will gain the necessary skills to start them on a lifelong process of becoming that knowledgeable hunter and savvy preservationist. Students will focus their experience on the native wildlife species that inhabit Wisconsin. Units of study include wildlife ecology, habitat management, wildlife regulations, and wildlife management. Wisconsin forest land will help students embark on tree identification, tree structure and growth, forest ecosystem management, silviculture, and timber production. Learning enrichment opportunities include developing forest management plans, and maintenance of the school forest. This course will also address FFA and Supervised Agricultural Experiences.</p>
<p>OUTDOOR RECREATION (11117) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 9 - 12 • Semester course - ½ credit • Fees – dependent upon the certification courses you wish to complete. Fees are due at the beginning of those units. 	<p>Outdoor Recreation will allow students the chance to learn principles of environmental education in relationship to hands-on stewardship of the land. Topics of study will include county, state, national and international environmental travel; geocaching and the correct use of GPS units; and forest utilization strategies according to our school forest wise use plan. Students will be involved in numerous projects including ATV safety certification, Snowmobile safety certification, boater's safety, trapper ed., and hunter safety. For anyone who enjoys spending time outdoors, this is the class for you! This course will also address FFA and Supervised Agricultural Experiences.</p>
<p>FOOD TECHNOLOGY & PROCESSING SYSTEM PATHWAY COURSE OPTIONS</p>	
<p>FOOD SCIENCE I – What's for Dinner? (11110)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 9 - 12 • Semester course - ½ credit 	<p>Are you always hungry? Would you like to know more about your ready-to-eat microwave entree, fast food, your parent's home-cooked meal and grandma's holiday spread? Then you need to know how to make those foods. The first step in food science is to identify a need, occasion or audience. You will get to cook, bake, and create. We will take raw ingredients and develop savory foods that will accompany your taste palette into the future. Also, find your way around the kitchen, practice safety, and discover your inner foodie. How will your eating habits be influenced for the rest of your life? Classroom presentations by food industry workers will provide students with information about career opportunities in food science and culinary.</p>

<p>FOOD SCIENCE II – Farm 2 Table (11112)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 10 - 12 • Semester course - ½ credit 	<p>Does today's food really come from the store? What is a farmer's market? Can I raise my own food and process it? Is it safe to eat? Point "A" is at the farm and Point "C" is the consumer. Something happens to food between A and C, it's called Point "B", processing. There are many mysteries surrounding the food industry, but let's break that down and try transforming food into what we see today. There are special procedures food companies follow and you should too in your kitchen, it is called food safety, from Farm to Table. Transform raw foods into savory and sensational products. Special consideration will be given to the following raw foods: milk, animal protein tissues, fruits, vegetables, grains, and other wholefoods. When you are finished with this class, you will truly be an informed and engaged consumer! This course will also address FFA and Supervised Agricultural Experiences.</p>
<p>ADVANCED FOOD SCIENCE (11111) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent); one of two Food Science courses offered • Open to Grades 10 - 12 • Semester course - ½ credit 	<p>Advance your knowledge, skills and career exploration of our global food supply by conjuring up new and improved foods. Apply science to food development, preservation, and production. Study microbiology, vitamins, minerals, fermentation, preservation, packaging, and food safety. Think outside the box! How was that made? Is that healthy for you? Food industry buzzwords: intensity, smooth, creamy, spicy, fresh, local, superfoods, all natural, antioxidants, probiotics, multigrain, 100 calories, sustainable, and it's just delicious! Explore one of the largest industries in the nation by giving agriculture and food science a chance! This course will also address FFA and Supervised Agricultural Experiences.</p>
ADVANCED LEARNING OPPORTUNITIES	
<p>CTSO - FFA MEMBERSHIP (ENROLLMENT PERIOD IS SEPTEMBER 1 THROUGH MARCH 1)</p> <ul style="list-style-type: none"> • Open to Grades 9 – 12 • Fee - \$25 	<p>Students enrolled in an agricultural education course or students that have a AFNR career pathway Supervised Agricultural Experience record on file are encouraged to join our OFHS FFA Chapter. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success through agricultural education.</p> <ul style="list-style-type: none"> - Learn more at http://www.ocontofallsagzone.org/ffa.html
<p>INDEPENDENT STUDY PROGRAM - INDUSTRY CERTIFICATIONS</p> <ul style="list-style-type: none"> • Prerequisite - Agriscience (or instructor's consent) • Open to Grades 10 - 12 • Quarter course - ¼ credit • Fee - yearly LMS access \$10 and \$30 per examination 	<p>Students enrolled in various AFNR career pathways can select this option to further their academic and career readiness by gaining an AFNR recognized industry certification from ICEV. Certification options include: Culinary Meat Selection & Cookery, Food Safety & Science, Meat Evaluation, Plant Science, Principles of Floral Design, Ecology Conservation & Management, Animal Science, Veterinary Medical Applications, Principles of Small Engine Technology, Principles of Livestock Selection & Evaluation, Equine Management & Evaluation</p> <p>Learn more at https://www.icevonline.com/industry-certifications</p>

BUSINESS EDUCATION

OUR MISSION - The purpose of the Business & Marketing Department in the Oconto Falls School District is to promote within our students, a quality work ethic, individual and business values and skills, knowledge of the technological advancements unique to business, and effectual competencies required for initial employment and advancement consistent with today's business requirements and the demands for the future.

BUSINESS CONCEPTS – WELCOME TO BUSINESS (31101) <ul style="list-style-type: none">▪ Open to Grades 9 - 12▪ Semester course - ½ credit▪ Recommended for 9 & 10	This course is an introductory course for students interested in any area of business as a career or for personal use. This is an interactive projects based class that will cover topics in business that everyone will experience in his or her personal life. Students will learn business basics through projects such as: proposing a new business venture, creating and marketing an innovative product, and debating business ethical issues.
NWTC COMPUTER LITERACY: CERTIFIED FOR SUCCESS (31105) <ul style="list-style-type: none">▪ Open to Grades 9 - 12▪ Semester course - ½ credit▪ Recommended for 9 & 10▪ Students who earn a grade of "B" or higher will receive advanced standing at NWTC	Want to learn a 21st Century skill that will help you become more efficient in your school and when you leave for the workplace? This class will teach students how to efficiently use Microsoft Word, Microsoft Excel, Microsoft PowerPoint. The students will go through interactive lessons and projects to learn the tools within these programs that will help them become more successful. Students will be able to become certified within these programs that are industry recognized and will help distinguish them when applying for jobs!
FUTURE READY (31106) (FORMERLY ACADEMIC, CAREER, & FINANCIAL PLANNING) (NOT OFFERED 2023-24) <ul style="list-style-type: none">▪ Required course for Grade 11 beginning with the Class of 2026▪ Semester course - ½ credit	This course is designed to give students a basic understanding of how to be "Future Ready." It will focus on two main areas: financial planning and career planning. Students will explore careers, identify various career plans, and start a process to meet career and life goals. Students will also learn the process to create application materials, gather letters of reference, and practice interviewing techniques. In financial planning, students will examine how their future careers affect their finances. Other topics that will be covered are expenses, income, savings, checking, and credit options. This class will put our students on track to a healthier financial lifestyle and be more prepared for life after high school.

<p>CAREER SUCCESS – ACADEMIC, CAREER & FINANCIAL PLANNING 102 (31123)</p> <ul style="list-style-type: none"> ▪ Open to Grades: 11-12 ▪ Semester Course - ½ credit 	<p>This course is designed to prepare students for future career success by learning and experiencing various financial and career readiness skills. Students will identify their top careers, identify back up plans, and develop specific planning strategies to meet career and life goals. Students will create an accurate and usable resume and cover letter. They will also gain experience in completing applications, searching and applying for scholarships, and learning the complete application process and procedures. Students will perform mock-interviews with professionals within the community, practice phone interviews and videoconferencing, and practice proper dining etiquette. A professional and usable e-portfolio will be created for students to reference upon completion of high school. This course will also cover additional career topics including financial aid, business ethics, decision-making skills, and budgeting on a career-specific monthly income. Speakers and/or field trips may be utilized to provide additional guidance and experience. This class will serve as a career preparation course for students in any career path.</p>
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ARTS, AUDIO/VISUAL, TECHNOLOGY, & COMMUNICATIONS CAREER PATHWAY COURSE OPTIONS

<p>YEARBOOK (31104A-B)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit ▪ <u>Repeatable for credit</u> 	<p>Students enrolled in this course will be creating and designing the Panther Yearbook! Students will learn about the various design concepts that make a page layout visually appealing. They will also be expected to take photos of the events that happen with the year at OFHS. Students will learn about sales by reaching out to businesses to sell advertisements and apply other elements of marketing, production, and graphic design. Instruction includes training in yearbook layout programs to manipulate elements such as text, images, and how to format items to make elements on the page stand out. Enrollment will be limited to 20 students. Twelfth-grade students will be given first preference. Ninth-grade student enrollment must be approved by the instructor.</p>
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BUSINESS MANAGEMENT & ADMINISTRATION CAREER PATHWAY COURSE OPTIONS

<p>ENTREPRENEURSHIP: OWNING YOUR FUTURE (31127) (OFFERED FALL 2023-24)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>This course is designed to teach students what it takes to own, manage, or operate a business. Most of the semester will be spent learning what a business plan is and writing one. In addition, outside resources will be utilized to help make sense of it all-actual entrepreneurs who have done it! Lastly, we will meet with business professionals who can help students with the funding portion of starting a business. (NOT required; however, but highly suggested to have already completed Accounting and Marketing.)</p>
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<p>NWTC ADVANCED MS OFFICE (31121)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Computer Literacy ▪ Open to Grades 10 - 12 ▪ Semester course - ½ credit ▪ Students who earn a grade of "B" or higher will receive advanced standing at NWTC 	<p>In this course, students will learn advanced techniques to build upon their understanding of the advanced features and options in the Excel and Access. This course is designed for intermediate and advanced Microsoft Office users and will focus on the more complex capabilities that Microsoft Office offers. Therefore, the Computer Literacy class is a prerequisite to this class. Students will have the opportunity to take the MOS certification exam, a business industry recognized certification.</p>
<p>RETAIL MERCHANDISING (31112)</p> <ul style="list-style-type: none"> • Prerequisite - Marketing or Accounting • Open to Grades 11 - 12 • Semester course - ½ credit • <u>Repeatable for credit</u> 	<p>This course is designed to teach students what it takes to own, manage, and operate a business, particularly the daily functions of the school store. Students will experience designing, creating, ordering, purchasing, tracking, marketing, promoting, and selling. In addition, students will also learn about e-commerce which will be the main way our school store functions. Students will be expected to manage the school store operations, approximately 2-4 times, outside of the school day.</p>
<p>PERSONAL LAW (31113) (OFFERED IN 2023-24, NOT OFFERED 2024-25)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 - 12 ▪ Semester course - ½ credit 	<p>This course is for the student who wishes to achieve an understanding of legal principles, which will be useful throughout his or her life. Students will analyze their rights and responsibilities under the law. Criminal law, civil law, laws for minors and family law are all covered.</p>
<h3>FINANCE CAREER PATHWAY COURSE OPTIONS</h3>	
<p>PERSONAL FINANCE (31116)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 – 12 ▪ Semester course - ½ credit 	<p>This course includes lessons regarding financial issues every student will face in the near future. Students will learn strategies to manage money, so they are better prepared to avoid the financial pitfalls many adults face today. Students will gain knowledge of how to write a check, budget money, determine insurance needs, make smart purchasing decisions, be responsible with debt, and guard themselves against financial scams. Topics covered are checking, savings, credit, insurance, investing, and budgeting.</p>
<p>NWTC ACCOUNTING I (31107A-B)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of "B" or higher earned ▪ Course # 10-101-10 <ul style="list-style-type: none"> ○ 4 credit 	<p>This college-level course provides an understanding of the basic elements and concepts of double-entry accounting systems. Activities include the accounting equation, the accounting cycle, entering transactions in journals, posting to ledgers, end-of-period statements and reports, payroll systems, banking activities, uncollectible accounts, depreciation, inventories, and notes and interest. This is a 4-credit course that will give you credits at NWTC and most likely transfer to a UW-college as either accounting credits or elective credits. Recommended for Juniors and Seniors</p>

<p>NWTC ACCOUNTING II (31108A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Accounting I ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of "B" or higher earned ▪ Course # ▪ 1 credit Quickbooks 	<p>This offering is designed to help students acquire a more thorough knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Quickbooks online will be a part of this course and will earn students a NWTC credit. Automated accounting principles are integrated into all of the accounting activities such as payroll, preparation of balance sheets, income statements, journal entries, and income tax forms. It further acquaints the students with the use of the business papers, forms, and reports involved in keeping financial records as well as developing skills in analyzing and interpreting information common to partnerships and corporate forms of organization, preparing formal statements and supporting schedules, using voucher systems and coding, using inventory control and budgetary control systems. Greater emphasis is given to the analysis, interpretation, and synthesis of managerial problems using accounting information as a tool.</p>
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MARKETING CAREER PATHWAY COURSE OPTIONS

<p>NWTC MARKETING (31120A-B)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 – 12 ▪ Full year course – 1 credit <p>Students who earn a grade of "B" or higher will receive advanced standing at NWTC</p>	<p>Learn how marketing affects you! Students will learn how to use marketing to sell their ideas and start to recognize different strategies used by businesses! Students will gain experience creating a variety of promotional materials for marketing purposes. Advertising, branding, promotions, selling, marketing research, and new product development will be covered. Students may have the opportunity to work directly with local businesses to create advertisements and design new products.</p>
<p>SPORTS & ENTERTAINMENT MARKETING (31124)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>This is a dynamic course that deals with the marketing of sports and entertainment. Students will examine how basic marketing principles are used to successfully present a sporting and entertainment event. The class will apply these principles to develop team images, sports products, target marketing events, advertising and promotional activities, and event planning activities. Students will also learn to balance costs and revenues and report on current issues in sports and entertainment.</p>

OTHER LEARNING OPPORTUNITIES

<p>MENTORING AT THE ELEMENTARY AND MIDDLE SCHOOL (41112 & 41113)</p> <ul style="list-style-type: none"> ▪ Prerequisite - instructor's consent ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit OR Semester course - $\frac{1}{2}$ credit 	<p>This is a voluntary student led placement to assist others in which a $\frac{1}{2}$ credit per semester can be earned. Placement could be as a mentor, tutor, or teacher's aide. An accountability folder will be required at the close of the semester. It would include either daily journals or a reflection essay and a favorable letter from the cooperating supervisor. Grading will be pass/fail and this will not enter into grade point average calculation.</p> <p>*Open to students who have maintained good academic standing and an attendance record of 2 or less unexcused absences and 15 or less total absences in the previous semester.</p>
<p>COMMUNITY SERVICE ASSISTANCE (41109 & 41110)</p> <ul style="list-style-type: none"> ▪ Prerequisite - instructor's consent ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit OR Semester course - $\frac{1}{2}$ credit 	<p>An individualized program for a student who wishes to serve, in a voluntary manner, the school or community in a work setting. Experiences will vary, but could include being a foreman in the shops, teacher aides, hospital assistants, or outside of school aide work. This is restricted to students pre-approved by the teacher involved, principal's recommendation, or I.E.P. placement. Grading will be pass/fail and this will not enter into grade point average calculation.</p> <p>*Open to students who have maintained good academic standing and an attendance record of 2 or less unexcused absences and 15 or less total absences in the previous semester.</p>

ADVANCED LEARNING OPPORTUNITIES

<p>CTSO - FBLA MEMBERSHIP (ENROLLMENT PERIOD IS AUGUST THROUGH NOV. 1 TO COMPETE)</p> <ul style="list-style-type: none"> • Grades 9 – 12 • Membership Fee – \$25 includes a shirt if student joins by set date 	<p>Students enrolled in business education courses are HIGHLY encouraged to join our OFHS FBLA Chapter. FBLA inspires and prepares students to become leaders, be confident, learn the importance of community service, and are given the opportunity to learn more about business through competitions and chapter activities. Learn more at https://sites.google.com/of-ps.org/oconto-falls-fbla/home</p>
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TECHNOLOGY EDUCATION

OUR MISSION - The mission of the Oconto Falls High School Technology Education Department is to prepare students for further vocational and technical education, for initial and continued employment, assist in making educational and career decisions, apply and reinforce related learning from other disciplines, to make informed consumer decisions, and assist in developing decision-making, communication, problem-solving, and leadership skills on their path to be productive citizens.

INTRODUCTORY LEVEL

It is recommended to choose the first class in the Career Pathway section to get started.

ARCHITECTURE CAREER PATHWAY COURSE OPTIONS

DRAFTING I (43101A-B)

- Open to Grades 9 - 12
- Full year course - 1 credit

Drafting I is designed to enable the student to communicate ideas and images through a variety of mechanical drawings, using computer aided drafting. Design projects enable students to enhance their creativity, accuracy and problem solving skills. Students will develop a good foundation in computer aided drafting (AUTOCAD 2023, Inventor Professional, & Revit 2023). This course is intended for any student considering a career related to engineering, architecture, interior design, mechanical design, or any field that requires the ability to read or produce blueprints.

DRAFTING II (43102A-B)

- Prerequisite - Drafting I
- Open to Grades 10 - 12
- Full year course - 1 credit

Semester 1 consists of an introduction to architectural drawing in which students design a house to suit a lot of their choice and design floor plans and elevations.

Semester 2 exposes the student to a variety of mechanical design areas including auxiliary views, revolutions, cams, gears, fasteners, pattern development and sections.

ARCHITECTURAL DRAFTING (43103A-B) (NOT OFFERED 2023-24; OFFERED 2024-25)

- Prerequisite - Drafting I & II
- Open to Grades 11 - 12
- Full year course - 1 credit

This course is intended for the student who is serious about a career related to architecture. A home will be designed and plans will include: all floor plans, electrical, dimensioning, wall sections, door and window schedule, elevations, and site plans. A scale model home may be built from the plans. AUTOCAD 2023 and AutoDesk Revit 2023 software will be used throughout the course.

<p>MECHANICAL DRAFTING (43104A-B) (OFFERED 2023-23; NOT OFFERED 2024-25)</p> <ul style="list-style-type: none"> Prerequisite - Drafting I & II Open to Grades 11 - 12 Full year course - 1 credit 	<p>This course is for the student who is considering a career related to mechanical design. Projects are more in-depth and job related than previous drafting classes. Blueprints and machine parts are used extensively for projects. Students will spend a majority of the year using computer-aided drafting (AUTOCAD 2023, Inventor Professional).</p>
CONSTRUCTION CAREER PATHWAY COURSE OPTIONS	
<p>WOODWORKING TECHNIQUES I (43118A-B)</p> <ul style="list-style-type: none"> Open to Grades 9 - 12 Full year course - 1 credit 	<p>This course is an introduction to the woodworking industry. Units of study will focus on the materials, processes, and safe operation of the principle tools and equipment necessary to fabricate woodworking projects.</p>
<p>WOODWORKING II: CABINETMAKING (43124A-B) (OFFERED 2023-24; NOT OFFERED 2024-25)</p> <ul style="list-style-type: none"> Prerequisite - Woodworking Techniques I Open to Grades 10 - 12 Full year course - 1 credit 	<p>Course will include the study of basic cabinetmaking materials, methods, and equipment necessary to fabricate a required cabinet project. Additional costs associated with individual projects due prior to the end of the year signout.</p>
<p>WOODWORKING III: FURNITURE MAKING (43126A-B) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> Prerequisite - Woodworking II - Cabinetmaking Open to Grades 11 - 12 Full Year - 1 credit 	<p>This course will introduce the basic concepts of furniture design and production. Students can look forward to constructing and completing a significant piece of furniture designed for a residential structure. Students will be required to acquire or purchase materials for their own project during the first three weeks of school. Additional costs associated with individual projects due prior to the end of the year sign out.</p>
<p>ELECTRICITY & RESIDENTIAL WIRING (43123)</p> <ul style="list-style-type: none"> Open to Grades 10 - 12 Semester course - ½ credit 	<p>Both will be student property at the conclusion of the class. Additionally, students are required to acquire basic electrical tools, such as a tape measure, cutters, screwdriver set and utility belt. Major units of study in residential wiring techniques, materials, safety, and the National Electric Code.</p>

<p>INTRODUCTION TO CONSTRUCTION (43121A-B) (NOT OFFERED 2023-24; OFFERED 2024-25)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Woodworking I or instructor's consent ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit 	<p>Units of study will include the role of construction, construction safety, materials, building codes, and basic framing techniques in order to complete a simple construction project. Students are required to acquire basic carpentry tools prior to class, such as belt, hammer and caulk line.</p>
<p>BUILDING CONSTRUCTION (43128A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Introduction to Construction or instructor's consent ▪ Open to Grades 11 - 12 ▪ Full year course - two consecutive periods - 2 credits ▪ Fee – NONE - Students are required to purchase on their own, basic building tools such as a standard tool belt, hammer, tape measure speed square, caulk line, tin snips, small pry bar and utility knife. 	<p>This course is designed around the student that is interested in continuing education surrounded with the hands on, hardworking attributes of building construction. Students can look forward to being the lead participants in the construction of a large residential style structure where students will learn and participate in all of the processes required to complete a total project. Students must be willing to be a hardworking team-oriented member of the Oconto Falls Building Construction Program.</p>
MANUFACTURING CAREER PATHWAY COURSE OPTIONS	
<p>METALWORKING TECHNOLOGY I (43106A-B)</p> <ul style="list-style-type: none"> ▪ Open to Grades 9 - 12 ▪ Full year course - 1 credit 	<p>In this one-year course, students are introduced to metalworking technology, fabrication, sheet metal, drilling, grinding, sandblasting, foundry, and laser engraving. Several projects are completed throughout the year using various machines. This introductory course will familiarize students with hand tools, precision tools, and machines related to metal fabrication.</p>
<p>METALWORKING TECHNOLOGY II (43107A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Metalworking Technology I ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit 	<p>In this one-year course, students are introduced to metalworking technology and machine operation (e.g., lathe, vertical mill, drill press, band saw, benders, surface grinder). Several projects are completed throughout the year using these various machines. This second level course will familiarize students with hand tools, precision tools, and machines related to machining processes and techniques.</p>

<p>MACHINE TOOL TECHNOLOGY (43108) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Metalworking Technology II ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit 	<p>In this one-year course, students are introduced to advanced machining processes and techniques using various machines (e.g., lathe, vertical mill, drill press, band saw, surface grinder foundry, laser). Several projects are completed throughout the semester. The second semester allows the students in the class to organize a company to mass produce a product. Students will learn manufacturing systems, materials, processes, management, enterprise, and automated machining.</p>
<p>NWTC COMPUTER AIDED MACHINING I (CAM I) (43109A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Metalworking Technology II ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of "C" or higher earned ▪ Course # 31-420-363 (CNC Milling and G-Code) ▪ 2 credits 	<p>This one-year course is designed for advanced metalworking students. The course focuses on shop safety around CNC milling machines, CNC basics, cartesian coordinates systems, CNC milling controls and preparing basic G-Code milling programs. Students will earn 2 NWTC credits as well as one credit from OFHS.</p>
<p>NWTC WELDING I (43110A-B)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of "C" or higher earned ▪ Course # 31-442-342 (Shielded Metal Arc Welding 1) ▪ 1 credit 	<p>This is an introductory course in SMAW and oxy-acetylene gas, cutting resistance, soldering, and brazing. Other areas of emphasis include safety, physics of welding and weld joints and positions. Basic skills for additional welding classes and basic skills for entry level occupations requiring welding skills will be taught. It is recommended that a student in this class also take Trades Math 1 at the same time.</p>

<p>NWTC WELDING II (43111A-B)</p> <ul style="list-style-type: none"> ▪ Prerequisites - Welding I ▪ Open to Grade 12 ▪ Full year course - 1 credit <p>Dual credit course:</p> <ul style="list-style-type: none"> ▪ NWTC credit awarded if grade of "C" or higher earned ▪ Course # 31-442-359 (Gas Tungsten Arc 1) ▪ 1 credit 	<p>The purpose of this course is to stimulate an industrial setting. Students will be brought together from different areas in the technology education department and allowed to work together dealing with day to day business situations. Projects to be constructed will be defined, sketched, drawn to scale, and dimensioned. Students will then work out a bill of materials, cost estimates, and timeline for construction. The course will be team facilitated by instructors and students will also work in teams to construct projects of their choice. Students will use MIG, TIG, PlasmaCam and other welding operations to fabricate their projects. The end result will be a professionally designed and fabricated project suitable for sale. Also Arc Gouging, Flux Cored welding and cutting of structural steel. Students may have the option of getting certified in flux-cored welding.</p>
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TRANSPORTATION CAREER PATHWAY COURSE OPTIONS

<p>SMALL ENGINES I (43113)</p> <ul style="list-style-type: none"> ▪ Open to Grades 11 - 12 ▪ Semester course - ½ credit 	<p>Small engine safety, parts identification, and use of repair manuals. Units covered include service, troubleshooting, repair and basic fundamentals of small engine operation. Disassembly and assembly of a horizontal B/S and vertical Tecumseh engine.</p>
<p>SMALL ENGINES II (43114) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> ▪ Prerequisite - Small Engines I ▪ Open to Grades 11 - 12 ▪ Semester Course - ½ credit 	<p>An advanced study of two and four cycle air cooled engines. Units in carburetion, electrical, cylinder reconditioning, valve resurfacing, failure analysis, troubleshooting, and the small engine industry. Students are required to bring in a small engine for tune-up and repair service.</p>
<p>ADVANCED MAINTENANCE AND REPAIR (43119A-B) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> ▪ Prerequisite- Small Engines I, Welding I ▪ Open to Grade 12 ▪ Full Year – 1 credit 	<p>This course will provide students the opportunity to develop the knowledge skills process and understanding of...troubleshooting, adjusting, minor repair, and service to shop equipment, small engines and vehicles. Students will also learn basic home maintenance and appliance repair. There may be times when students will need to supply equipment and appliances for maintenance. Students must be self-motivated and able to work with an assigned partner.</p>

**MOTORCYCLE FUNDAMENTALS,
SERVICE, REPAIR (43117)**

- Prerequisite - Small Engines or instructor's consent.
- Open to Grade 12
- Semester Course - ½ credit

Students also need to supply safety goggles. A growing interest in motorcycles, ATV's and powered scooters has created a growing need for technicians who can service these vehicles. This course will introduce and explain parts of motorcycle, ATV, and scooter systems. Safety, maintenance, repair, assembling and disassembling engines will be done in a lab setting. Theory will be done in a classroom setting. Students will be working on a Harley Davidson motorcycle and bench engines will also be provided. At some point students may be asked to supply their own equipment to service in a controlled setting.

**SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS
CAREER PATHWAY COURSE OPTIONS****PROJECT LEAD THE WAY – Engineering Programming**

Sponsored by the Milwaukee School of Engineering, college credit and scholarships may be available to those students who complete the following classes. To receive undergraduate credit from MSOE the student must meet the following eligibility requirements:

1. Successfully complete a PLTW course, as demonstrated by:
 - a. A grade of B or higher in classroom course work
 - b. A completed course portfolio
 - c. A combined score of 70% or higher on the end-of-course exam (Parts A and C)
2. Submit undergraduate credit application form to MSOE by December 31 of the year in which the course was completed.

When a high school student receives MSOE college credit for a PLTW course a transcript is prepared for them by the MSOE Registrar's Office. The transcript shows the MSOE equivalent course name and course number. The transcript also shows the student's letter grade based on the end-of-course exam score. Most accredited colleges and universities will recognize this transcript as 'transfer' credit. Upon admission, the transfer credit and the corresponding grade will be applied to the student's college academic record. These courses are also given credit and considered to be in Advance Standings at NWTC.

**PRINCIPLES OF ENGINEERING
(43100A-B)**

- Prerequisites - passing grades of "C" or higher Biology and Algebra I
- Open to Grades 10 - 12
- Full year course - 1 credit

This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. This is the first course in an engineering sequence under the Project Lead the Way curriculum. More information available at <http://www.pltw.org/index.cfm>.

<p>DIGITAL ELECTRONICS (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> ▪ Prerequisite – Algebra II or above ▪ Open to Grades 11 - 12 ▪ Full year course - 1 credit 	<p>This course is designed to teach logic, while it introduces the basics of electronics and digital systems by exposing students to engineering design and troubleshooting techniques that are used in the electronics field. Traditional projects are constructed and tested by the students using computer simulation to ensure design and circuitry functionality. Students can also look forward to learning a systematic approach that engineers use to design electronics daily.</p>
<p>INTRODUCTION TO ENGINEERING DESIGN (IED) (NOT OFFERED 2023-24)</p> <ul style="list-style-type: none"> ▪ Open to Grades 10 - 12 ▪ Full year course - 1 credit 	<p>Introduction to Engineering Design is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of IED is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and an understanding of course concepts through activities, projects, and problem-based learning in order to hone their interpersonal skills, creative abilities and understanding of the design process.</p>
<h3>ADVANCED LEARNING OPPORTUNITIES</h3>	
<p>CTSO - SKILLS USA MEMBERSHIP</p> <ul style="list-style-type: none"> • Open to Grades 9 – 12 • Fee – see an adviser 	<p>Students enrolled in technology education courses are encouraged to join our OFHS SKILLSUSA Chapter. SkillsUSA produces the most highly skilled workforce in the world, providing every member the opportunity for career success.</p>

OTHER COURSE OPPORTUNITIES (VIRTUAL, OFF-SITE, DUAL ENROLLMENT)

If you have specialized career focus and have exhausted the available coursework that Oconto Falls High School has to offer, or if you are struggling to fill a gap in your schedule with available OFHS courses, there may be opportunities to enroll in virtual, off site, and/or dual enrollment courses. Please talk to your counselor to discuss options. The following are programs that may be available to you.

VIRTUAL PROGRAMS

The Wisconsin eSchool Network, Wisconsin Virtual Academy, eDynamic Learning, and Rural Virtual Academy are programs that offer hundreds of different virtual courses in a variety of subjects, depending upon one's desired career path. **Because of the nature of these online courses, the ability to be self motivated and to work independently is critical to success.** Students in grades 10-12 may be eligible to enroll in these courses.

If a student has a well thought out career goal, and is unable to find course options in that career path, there may be possibilities through one of these virtual programs. Please see your counselor to discuss options.

EARLY COLLEGE CREDIT PROGRAM & START COLLEGE NOW PROGRAM

Oconto Falls High School recognizes the value to students of participation in post-secondary programs while attending high school. The Early College Credit Program and Start College Now Program allow for such participation.

The Early College Credit Programs allows students in grades 9-12 who satisfy eligibility requirements to enroll in approved courses at approved Wisconsin institutions of higher education while attending OFHS. "Institutions of higher education" may include University of Wisconsin system institutions, tribally controlled colleges and private, and non-profit higher education institutions.

The Start College Now program allows students in grades 11-12 who satisfy eligibility requirements to enroll in approved courses at Wisconsin technical colleges while attending OFHS.

Students will be eligible to receive college and high school credit for completing course(s) at authorized post-secondary institutions of higher education and technical colleges, provided they complete the approved course(s) and receive a passing grade. The school district's responsibility to pay for tuition, fees, books and other necessary materials shall be limited to eighteen (18) postsecondary credits per student.

If students and/or parents are interested in any of these programs, please contact a school counselor or consult the following website for more information: <https://dpi.wi.gov/dual-enrollment>. For both the Early College Credit Program and Start College Now program, the application deadlines are March 1 for the fall semester and October 1 for the spring semester. The Early College Credit Program also has an application deadline of February 1 for the summer semester.

WORK BASED LEARNING OPTIONS

YOUTH APPRENTICESHIP

- Prerequisite – instructor's consent with approved job placement and aligned course
- Open to Grades 11 - 12
- Full year course - 1 credit

Youth Apprenticeship is a program for juniors and seniors that have a desire to work in a particular Career and Technical Education area as well as complete an approved course aligning to the cluster.

Students are expected to work a minimum of 450 paid hours with one employer. Hours start counting on June 1 and conclude by May 1. Work hours can be earned either through release time during the school day and/or outside the school day.

Possible career clusters

- Agriculture, Food, & Natural Resources
- Business & Marketing
- Architecture & Construction
- Arts, A/V Technology & Communication
- Finance
- Health Science
- Hospitality & Tourism
- Information Technology
- Manufacturing
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution, & Logistics

EMPLOYABILITY AND SKILLS CO-OP

- Prerequisite - instructor's consent
- Open to Grades 11 - 12
- Full year course - 1 credit OR
- Semester course - ½ credit

This integrates prior career-related classroom instruction with work-based learning. A learning plan based on occupational and employability competencies is developed between the supervising teacher and employer. The program involves a minimum of 450 hours of paid experiences under the supervision of a trained workplace mentor per credit.

 <p>Class: Youth Apprenticeship</p>	<p>Youth Apprenticeship (YA) is a highly successful talent acquisition strategy in which employers hire high school juniors or seniors for a one or two-year apprenticeship. During the apprenticeship, the student continues toward high school graduation and takes courses related to the profession as a way of enhancing what is being learned on the job.</p>	<p>Advantages:</p> <ul style="list-style-type: none"> • Highly recognized program that business are aware of and they usually look for students that are enrolled in this programs • Certificate can be earned at the end of the program • Classes at NWTC or local colleges could be paid for to continue learning (**classes must be pre-approved) • Career-specific checklists (not all careers/jobs qualify) • Huge resume builder • Earns high school credit for working • School-release time and/or double-booked
<p>Employability Skill Standards</p> <p>Class: Skills Co-op</p>	<p>The State-Certified Employability Skills Program recognizes a student's mastery of employability skills valued by employers in a variety of worksite settings while helping students explore career interests.</p>	<p>Advantages:</p> <ul style="list-style-type: none"> • Industry Recognized program • Earns high school credit for working • Resume builder • Almost all jobs qualify • School-release time and/or double-booked
<p>Class: Work-Release</p>		<p>Advantages:</p> <ul style="list-style-type: none"> • School-release time

Talk to Mrs. Tate or Mr. Taylor to see which program is best for you!