Shawano Community High School
2023/2024 Course Description Booklet

ENGAGE, EMPOWER, EDUCATE:
EVERY STUDENT, EVERY DAY, THE HAWK WAY

Shawano Community High School
220 Cty Rd B
Shawano, WI 54166
715-526-2175

COURSE DESCRIPTION GUIDE
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General Information

Course Descriptions

Shawano School District Non-Discrimination Policy

The Shawano School District does not discriminate on the basis of religion, sex, race national origin, age, ancestry, creed, color, political affiliation, National Guard membership, state defense force or any reserve component of the United States military or state military forces, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability or handicap or other bases prohibited under state or federal law. It is the policy of the Shawano School District that no person may be denied admission to any public school in this District or be denied participation, be denied the benefits of, or be discriminated against in any curricular, extracurricular, public service, recreational, or other program as required by Section 118.13 of the Wisconsin State Statutes. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color, national origin), Section 504 Rehabilitation Act (handicap) and Americans Disabilities Act of 1990 (disability). Title IX of the Education Amendments of 1972, as amended, is a comprehensive federal law that prohibits discrimination on the basis of sex in any federally funded education program or activity. The District encourages informal resolution of complaints. A formal complaint procedure is available and may be obtained from the District Administrative Office, 218 County Road B, Shawano, WI 54166. Any questions concerning the nondiscrimination policies or procedure should be directed to the District Administrator, Shawano School District, 218 County Road B, Shawano, WI 54166 or call 715-526-3194.

Advanced Placement Courses

SCHS offers AP Chemistry, AP Statistics, AP Computer Science Principles, AP Computer Science A, and AP European History to students who wish to bring their learning to the next level. The courses are taught at a college level of study using extensive reading and writing assignments. In May of each year students may elect to take the AP exam for which they may earn college credit or advanced standing as determined separately by each institution based on the score the student receives on the exam. There may be a charge for the exam.

College Credit Opportunities

A high school student taking any of the classes listed below earns high school and college credit (dual credit). The college credit and final grade are recorded on both the high school and college transcript. College credits are often transferable. Check out if these courses transfer by visiting: https://www.transferology.com/state/wisconsin.htm. If the college is not listed, please discuss the transfer of a course with an admissions advisor at the college. Students assume any costs of these classes.

See next page for college credit opportunities….

- Lakeland Biology (4 credits – Life Science I – Bio 111)

- UWGB English (3 credits – Introduction to American Literature I - ENG 216)
- UWGB English (3 credits – Introduction to American Literature II – ENG 217)
- UWGB First Nations: Social Justice (3 credits - Introduction to First Nations Studies: Social Justice FNS 226**)**
- UWGB Music Theory 1 & Ear – Training & Sight Singing 1 – 4 credits total (3 credits – Music Theory 1 – Music 151 and 1 credit – Ear-Training & Sight Singing 1 – Music 115)

- Math IV (5 credits - Pre-Calculus - Math 108)
- Calculus (5 credits – Calculus - Math 171)

- NWTC General Anatomy & Physiology (4 credits – General Anatomy & Physiology – 10-806-177)
- Advanced Machine Tool (2 credits – CNC Milling and G-Code - 31-420-363)
- Welding (1 credit – Shielded Metal Arc Welding – 31-442-342)
- Advanced Welding (1 credit – Gas Metal Arc Welding – 31-442-348)
- Residential Building and Construction I (1 credit - Introduction to Carpentry - 10-410-110 and 1 credit Building Codes - Carpentry - 10-410-108)

- Wood Products Manufacturing I (2 credits – Layout and Sawing Operations – 31-409-317)
- Automotive II (2 credits – Automotive Maintenance and Light Repair – 10-602-100)

Articulated Courses – Advanced Standing (AS)

Students may receive advanced standing by completing certain high school courses that are covered by an articulation agreement between SCHS and a technical college. Advanced Standing courses are high school courses taught by the high school teacher at the high school. The curriculum taught is similar to the technical college curriculum. A high school student earning a B or better may be allowed to take a higher-level course instead of taking an introductory level course. The grade and credit are not recorded on a transcript. In order for students to receive advanced standing they must show the grade they earned to their advisor at the technical college they are enrolling. Teachers will inform students in class if the class is considered as advanced standing.

Early College Credit Program

The statute allows Wisconsin public and private high school students to take one or more courses at an institution of higher education for high school and/or college credit. Under this section, "institution of higher education" means an institution within the University of Wisconsin System, a tribally controlled college, or a private, nonprofit institution of higher education located in the state. While technical colleges are not eligible institutions under the program, pupils that have completed 10th grade will have the option to take courses at technical colleges through a separate statue, 38.12(14). Talk with your high school counselor to see if it's a good fit for you. To be considered, your completed form must be submitted to your school officials by February 1 for summer, March 1 for fall courses, and October 1 for spring courses.

Start College Now Program

"Start College Now" will allow high school students the opportunity to take college courses at Wisconsin Technical Colleges. Students looking to take courses in the fall semester must turn in the application by March 1 and October 1 for the spring semester. Talk to your school counselor for more information.

Youth Apprenticeship/School to Work

This program is offered through the State of Wisconsin. Each year all sophomores will receive a detailed explanation of the program from the coordinator. This is a one- or two-year program with up to four high school elective credits awarded each year. To qualify, a student must have a high level of interest and commitment to one of the areas listed below. Final selection of the participants is determined by the sponsor/employer. Apprenticeship areas are: Auto Collision, Auto Technology, Drafting and Design, Finance, Health, Manufacturing, Printing, Tourism, Information Technology, Agriculture, Hotel/Motel, and Insurance. Talk to your high school counselor to learn more.

Learn and Earn

The Learn and Earn Program allows juniors and seniors to take up to three free college credits per semester at the College of the Menominee Nation. The courses are often transferrable to other colleges. Summer courses may also be available. Courses must be taken outside the regular school day, and students will earn high school elective credit for the classes if they share their transcript with the high school. To learn more call 715-799-5600 or talk to your high school counselor.

GEAR UP – Rising Phoenix Program

Students may have the opportunity to take part in an innovative collaboration with UW-Green Bay. Qualifying sophomore students will be admitted to the GEAR UP - Rising Phoenix Early College High School Program. During the students' junior and senior years, student will become dually enrolled in high school and college at no cost to students or families. Students will have the opportunity to earn their high school diploma and a two-year UW-Green Bay Associate of Arts and Sciences degree at high school graduation. For more information visit: https://www.uwgb.edu/gear-up/rising-phoenix/ or talk to your high school counselor.

NCAA Eligibility

If you plan on being a College-Bound Student-Athlete at a division I or division 2 college, you must visit www.eligibilitycenter.org for detailed information on procedures and requirements. If you have any questions, please see your school counselor.

Shawano's NCAA Approved Courses

English	**Natural/Physical Science continued…**	**Math**
British Literature	Introduction to Geology	AP Statistics
Contemporary Writing	Introduction to Astronomy	Calculus
Communication Arts	Introduction to Anatomy & Physiology	Math I
English 9	Lakeland Biology	Math II
English 10	NWTC Anatomy and Physiology	Math III
English 11	Physics	Math IV
English Composition		
Literature Explorations	**Social Studies**	**Additional Core Courses**
Nonfiction Writer's Workshop	AP European History A/B	French I
UWGB English	Civics	French II
	Contemporary World Studies	French III
Natural/Physical Science	Law	French IV
AP Chemistry	Macroeconomics	Spanish I
Astronomy	Microeconomics	Spanish II
Biology – Ecosystems	Minority Studies	Spanish III
Biology – Organisms	Psychology/Sociology	Spanish IV
Chemistry	US History	
Geology	UWGB First Nations	
Introduction to Chemistry	World History	
Introduction to Physics		

Schedule Changes

It is important that students carefully select their courses and review their schedule before school begins. Once students begin a course, they are expected to remain in the course and complete it. Counselors are available on a few scheduled days in August and via email to make reasonable changes. Students should make changes during the allotted time near the end of first semester and before second semester begins for changes that were not resolved prior.

Students who drop a class after the second week of the semester will receive a W (withdraw) on their transcript.

Any classes dropped after the 6-week grading period will result in the student receiving an F on their transcript, unless deemed an extenuating circumstance by a team of reviewers.

Seniors in good standing may have either their first period OR last period free if they are scheduled in commons. Two open periods may not occur on the same day.

It is ultimately the student's responsibility to add failed required classes to their schedule. Furthermore, students shall continually monitor their graduation progress and the accuracy of their transcript. All students are welcome to request a copy of their transcript, from the secretary in the Student Service Office, for their review and/or a meet with their school counselor to review their progress toward graduation. Transcript requests may also be made by completing the form by clicking here.

Early Graduation

Students desiring early graduation from high school must complete the following procedures:

- Complete a minimum of seven semesters of high school work.
- Meet the district policy for graduation
- Apply at least one semester before the planned date of early graduation
- Submit the completed district application and other expectations deemed necessary by the principal and/or school board for early graduation.

Graduation Requirements

Subject Area	Credit
* English (English 9, 10, 11, Communication Arts and .5 other)	4.00
* Social Studies (U.S. History, Civics and a senior level social studies)	3.00
* Mathematics	3.00
* Science (Introduction to Chemistry, Introduction to Physics, Biology - Ecosystems, Biology – Organisms, Introduction to Geology and Introduction to Astronomy)	3.00

or

If a student plans to take AP Chemistry, Lakeland Biology, Physics or NWTC Anatomy and Physiology, they may choose to take Chemistry instead of Introduction to Astronomy and Introduction to Geology. The student must then commit to taking one of the upper-level science courses aforementioned.

* Physical Education—***over 3 years*** (only .5 can be a weight training class)	1.50
* Health Education	.50
* Life Skills course - Must choose one class out of category A and B	1.00

Category A (must complete one)	**Category B (must complete one)**
Computer Communications Automotive I Carpentry Techniques & Home Maintenance Leadership Microword Intro. to IT & Computer Science Principles **or** Computer Science I Exploring Life Skills	Living on Your Own Personal Finance Personal Financial Literacy Personal Financial Literacy will be the only option beginning in the 2023/2024 school year

* Additional Electives	8.0
Total credits needed for graduation	24.0

* Students must pass the Citizenship Test

* Students must earn a D- or above in order to receive credit for classes. Students will have to retake required classes in which they do not pass.

Graduation Requirement Checklist

____ English 9 – Semester 1
____ English 9 – Semester 2
____ English 10 – Semester 1
____ English 10 – Semester 2
____ English 11 – Semester 1
____ English 11 – Semester 2
____ Communication Arts .5
____ English Elective .5

____ Math Semester 1 (grade 9)
____ Math Semester 2 (grade 9)
____ Math Semester 1 (grade 10)
____ Math Semester 2 (grade 10)
____ Math Semester 1 (grade 11)
____ Math Semester 2 (grade 11)

____ Introduction to Chemistry
____ Introduction to Physics
____ Biology (Ecosystems)
____ Biology (Organisms)
____ .5 cr. Introduction to Astronomy or Chemistry
____ .5 cr. Introduction to Geology or Chemistry
____ *1.0 credit of upper-level science course if taking Chemistry*

____ U.S. History Semester 1
____ U.S. History Semester 2
____ .5 cr. Civics
____ .5 cr. social studies elective
____.5 cr. social studies elective
____ .5 cr. senior level social studies class

_____ Citizenship Test (school staff will inform students when they will test)

____.5 cr. Life Skills from category A
____.5 cr. Life Skills from category B
* please refer to page 8 for more information

____ .5 cr. Health

____ .5 cr. 9th grade Phy. Ed
____ .5 Phy. Ed. _____
____ .5 Phy. Ed. _____

*Only 1 (.5 credit) weight training class can count toward the PE graduation requirements. Additional weight training classes can count toward electives below.

____ 8.0 elective credits
_____
_____
_____
_____
_____
_____
_____
_____

You should consider taking at least four credits of the core classes for the best post high school preparation.

Courses needed to meet the prerequisites of my specific post high school education program and career pathway:

_____
_____
_____

Four Year Academic Plan
Recommended Planning Form

Period	Freshman	Sophomore	Junior	Senior
1	English 9	English 10	English 11 (Comm. Arts may be taken too)	Communication Arts _____ English
2	Introduction to Chemistry and Introduction to Physics	1 Credit of Science (students may double up with Chemistry)	1 Credit of Science	* Elective or upper-level science class if still needed
3	1 Credit of Math	1 Credit of Math	1 Credit of Math	* Elective (math is recommended)
4	U.S. History	Civics _____ Elective or social studies	* Elective or social studies	.5 Credit Social Studies _____ Elective
5	9th grade level PE _____ Health	Physical Education course (not weight training if Sports Weight Training was taken in grade 9) _____ Life Skill A, if desired	Physical Education (not weight training if a weight training was already taken) _____ Life Skill B	* Elective
6	* Elective	* Elective	* Elective	* Elective
7	* Elective	* Elective	* Elective	* Elective
8	Study Hall or * Elective	Study Hall or * Elective	Study Hall or * Elective	Study Hall or * Elective

* Students will take the Citizenship Test as directed by school staff (typically during the sophomore year).

* Students have a variety of options when choosing electives. Please look closely at the amount of credit each of your choices offer.

Student Planning Form

Use the form below to create your individualized education plan by placing the courses you hope to take in the future strategically on the grid. Choose classes that relate to your plans after high school. It is okay if you are uncertain about your future plans; just make sure you choose classes that keep your options open, allow you to explore a variety of interests, and make you marketable. Please take the time to talk with your counselor if you'd like to discuss this further.

Period	Freshman	Sophomore	Junior	Senior
1	English 9	English 10	English 11	
2	Introduction to Physics .5 cr. and Introduction to Chemistry .5	Science	Science	
3	Math	Math	Math	
4	U.S. History	Civics		.5 Social Studies
5	9th grade Physical Education Health	Physical Education .5	Physical Education .5 Life Skill B	
6				
7				
8				

- **Students will take the Citizenship Test as directed by school administration (typically during the sophomore year).**

Post High School Planning

It is important for all students to take advantage of their education in high school and to think about education beyond high school. Students should explore all of their options and critically think about appropriate career options.

Xello, is available to all SCHS students and accessible from any internet ready computer. Xello is a great tool to help students explore interests, skills, values and careers. Students will have time to explore during Academic and Career Planning (ACP) time.

College and University Preparation

College entrance requirements vary among colleges. Course selection, college entrance scores, GPA and class rank are some criteria colleges may use when making an admission decision. Extracurricular activities, personal essay(s), letter(s) of recommendation and community service may also be considered. Students interested in attending a particular college should research admission requirements early in their high school career.

The following minimum admission requirements are typical of most colleges. However, some colleges, such as the University of Wisconsin Madison, will expect the students they admit to have exceeded these minimum requirements.

- **English – 4 credits required, more encouraged**
- **Mathematics – 3 credits required, more strongly encouraged**
- **Natural Science – 3 credits required, more strongly encouraged**

Science courses with a strong laboratory component will be considered college preparatory credits.

- **Social Studies – 3 credits required, more strongly encouraged**
- **Students should have accumulated at least 17 core credits of college preparatory courses prior to the end of their senior year. This includes the 13 credits listed above and 4 additional from the areas above and/or world language.**
- **World Languages – credits may be required, 2 encouraged in some cases**

Some colleges REQUIRE 2 credits of the same world language for admission. Please review the admission requirements of the colleges you're interested in attending early so you can plan accordingly. Students interested in highly selective universities, such as the University of Wisconsin Madison, may want to complete 4 years of the same language in order to be competitive with the admission standards. Some colleges require a foreign language for graduation. Taking 2 or more credits of the same world language in high school may satisfy some world language graduation requirements.

A couple helpful websites:
http://uwhelp.wisconsin.edu/
https://www.wisconsinsprivatecolleges.org/colleges

College Entrance Examinations

Some colleges/universities require the ACT or SAT as part of the admission criteria. Students can register for an exam online. All juniors will be required to take the ACT.

Placement tests in English, mathematics, and foreign language may also be required to determine a student's level of proficiency in a specific curriculum once the student is admitted. It is important for students to carefully review the mail they receive from the campuses they are admitted to for pertinent information such as this.

Useful website: **http://www.act.org/** & **http://www.sat.org/splash**

Vocational/Technical College Preparation

Technical colleges provide students with specialized skills. Students may enroll in associate degree, certificate programs, or vocational training programs that can be completed in two years or less.

It is important for students to review the admission requirements for the programs that may be of interest. Admission requirements and application dates can vary considerably from program to program. Some technical colleges allow students to apply during their junior year.

Supporting website: **www.witechcolleges.com**

Military

Representatives from the various military branches visit the high school on a regular basis. Please contact your counselor if you are interested in meeting with a specific recruiter. The military also requires students to take an entrance exam called the ASVAB. Students not interested in a military career may still wish to take the ASVAB test to gain career information. SCHS offers the test once a year on campus and individual testing times can be arranged with recruiters. Meeting with recruiters earlier than later can be advantageous.

Find out more: **http://www.todaysmilitary.com/app/tm/**

ROTC (Reserve Officer Training Corps) Program/Service Academies

The ROTC is a military program students participate in during college. Students are able to graduate with their chosen major and receive scholarship assistance. Students are required to serve active duty in the military following graduation. **Students may also apply to be accepted into one of the service academies.**

World of Work

Students choosing to pursue a full-time career after high school should take advantage of courses SCHS offers and work programs. Employers are looking for skillful and responsible employees. SCHS has many electives that can expose students to a variety of valuable experiences. It would also be wise for students to have a resume' prepared and work related experiences to list on job applications. Begin networking with people in the community as soon as possible.

Calculating Grade Point Average (GPA)

Your grade point average (GPA) is calculated by dividing the total amount of grade points earned by the total amount of credit hours attempted. Your grade point average may range from 0.0 to a 4.0.

1 credit	.	.5 credit
A = 4		2
A- = 3.67		1.835
B+ = 3.33		1.665
B = 3		1.5
B- = 2.67		1.335
C+ = 2.33		1.165
C = 2		1
C- = 1.67		.835
D+ = 1.33		.665
D = 1		.5
D- = .67		.335
F = 0		0

Example Student Transcript			
Course	Credit Hours	Grade	Grade Points
Biology Algebra English 9 US History	1/2 1/2 1/2 1/2	A B- C F	2 1.335 1 0
2 Total Credit Hours Attempted			4.335 Total Grade Points

To get the example student's GPA, the total grade points are divided by the total credit hours attempted.

Total Grade Points Total Credit Hours Attempted	divided by	4.335 2	= 2.1675

To calculate your cumulative G.P.A., total the credit hours and then the grade points from all semesters. Divide the total grade points by the total credit hours.

Course Offerings by Department

Agriculture (Pages 23-25)

Course Title	Grade level:	Credit
Advanced Horticulture/Greenhouse	10,11,12	1.0 (Year)
Advanced Animal Science	10,11,12	.5 (Semester)
Animal and Pet Care	9,10,11,12	.5 (Semester)
Aquaculture Production	9,10,11,12	.5 (Semester)
Beginning Horticulture/Greenhouse	9,10,11,12	1.0 (Year)
Food Science	9,10,11,12	.5 (Semester)
Forestry	9,10,11,12	.5 (Semester)
Large Animal Science	9,10,11,12	.5 (Semester)
Leadership	10,11,12	.5 (Semester)
Vet Science	9,10,11,12	.5 (Semester)
Wildlife Conservation	9,10,11,12	.5 (Semester)

Art and Theatre (Pages 26-29)

Course Title	Grade level:	Credit
The Theatre Experience	9,10,11,12	.5 (Semester)
Theatrical Technical Education I	9,10,11,12	.5 (Semester)
Theatrical Technical Education II	9,10,11,12	.5 (Semester)
Independent Adv. Level Artmaking	12	1.0 (Year)
Ceramics I	9,10,11,12	.5 (Semester)
Ceramics II	9,10,11,12	.5 (Semester)
Sculpture	9,10,11,12	.5 (Semester)
Fiber Crafts	9,10,11,12	.5 (Semester)
Metal and Glass Crafts	9,10,11,12	.5 (Semester)
Mixed Media Crafts	9,10,11,12	.5 (Semester)
Printmaking	9,10,11,12	.5 (Semester)
Drawing I	9,10,11,12	.5 (Semester)
Drawing II	9,10,11,12	.5 (Semester)
Painting I	9,10,11,12	.5 (Semester)
Painting II	9,10,11,12	.5 (Semester)
DIGITAL Photography	9,10,11,12	.5 (Semester)

Business and Technology (Pages 29-33)

Course Title	Grade level:	Credit
Accounting I	10,11,12	1.0 (Year)
Accounting II	11,12	1.0 (Year)
Business and Marketing Management	9,10,11,12	.5 (Semester)
Business and Marketing II	10,11,12	.5 (Semester)
College Success and Study Skills	12	.5 (Semester)
Computer Communications	9,10,11,12	.5 (Semester)
Intro. to IT and CS Principles.	9,10,11,12	1.0 (Year)
Computer Science II	10,11,12	1.0 (Year)
Computer Science III	11,12	1.0 (Year)
AP Computer Science Principles	10,11,12	1.0 (Year)
AP Computer Science A	11,12	1.0 (Year)
Excel I	9,10,11,12	.5 (Semester)
Excel II	10,11,12	.5 (Semester)

Foundations of Business	9,10,11,12	.5 (Semester)
Microword	9,10,11,12	.5 (Semester)
Multi Media: Yearbook	1 0,11,12	1.0 (Year)
Personal Financial Literacy	11,12	.5 (Semester)
Small Business Development/ Entrepreneurship I	1 0,11,12	.5 (Semester)
Small Business Development/ Entrepreneurship II	11,12	.5 (Semester)

English (Pages 33-36)

Course Title	Grade level:	Credit
English 9	9-12	1.0 (Year)
English 10	9-12	1.0 (Year)
English 11	9-12	1.0 (Year)
Communication Arts	11,12	.5 (Semester)
British Literature	12	.5 (Semester)
Literature Explorations	12	.5 (Semester)
Contemporary Writing	12	.5 (Semester)
English Composition	12	.5 (Semester)
Media Awareness	12	.5 (Semester)
UWGB English	12	1.0 (Year)

Family and Consumer Sciences (Pages 36-37)

Course Title	Grade level:	Credit
Assistant Child Care Teacher	11,12	.5 (Semester)
Health Occupations	9,10,11,12	.5 (Semester)
Healthy Lifestyles	9,10,11,12	.5 (Semester)
International Foods	10,11,12	.5 (Semester)
Let's Make a Meal	9,10,11,12	.5 (Semester)
Exploring Life Skills	9,10	.5 (Semester)
Today's Children	9,10,11,12	.5 (Semester

Mathematics (Pages 37-39)

Course Title	Grade level:	Credit
Math I	9,10,11,12	1.0 (Year)
Math II	9,10,11,12	1.0 (Year)
Math III	10,11,12	1.0 (Year)
Math IV (UW-Oshkosh Pre-Calculus)	11,12	1.0 (Year)
Tech Math	12	1.0 (Year)
Capstone Math	12	1.0 (Year)
AP Statistics	11,12	1.0 (Year)
Calculus (UW-Oshkosh)	12	1.0 (Year)

Music (Pages 39-42)

Course Title	Grade level:	Credit
Concert Choir	9,10,11,12	1.0 (Year)
Concert Band	9,10,11,12	1.0 (Year)
Jazz I (with restrictions)	10,11,12	1.0 (Year)
Jazz II (with restrictions)	9,10,11,12	1.0 (Year)

Wind Ensemble	11,12	1.0 (Year)
Symphonic Orchestra	11,12	1.0 (Year)
Concert Orchestra	9,10,11,12	1.0 (Year)
UWGB Music Theory 1 & Ear-Training & Sight Singing 1	11,12	.5 (Semester)
Music and Culture: Rock, Rap & R&B	9,10,11,12	.5 Semester)

Physical Education and Health (Pages 42-45)

Course Title	Grade level:	Credit
Health	9-12	.5 (Semester)
Sports and Fitness	9,10	.5 (Semester)
Sports Weight Training	10,11,12	.5/1.0 (Sem/Year)
Functional Physical Education	9,10,11,12	.5/1.0 (Sem/Year)
Individualized Physical Education	10,11,12	.5 (Semester)
Lifeguard Training	10,11,12	.5 (Semester)
Water Sports	10,11,12	.5 (Semester)
Everyday Fitness	10,11,12	.5 (Semester)
Outdoor Recreation	10,11,12	.5 (Semester)
Recreational Sports	10,11,12	.5 (Semester)
Officiating Team Sports	10,11,12	.5 (Semester)
Challenge by Choice	11,12	.5 (Semester)

Science (Pages 46-50)

	Course Title:	Grade level:	Credit:
R	Introduction to Chemistry	9,10,11,12	.5 (Semester)
e	Introduction to Physics	9,10,11,12	.5 (Semester)
q	Biology – Ecosystems	9,10,11,12	.5 (Semester)
u	Biology – Organisms	10,11,12	.5 (Semester)
i	**Introduction to Geology	10,11,12	.5 (Semester)
r	**Introduction to Astronomy	10,11,12	.5 (Semester)
e			
d			
E	Chemistry	10,11,12	1.0 (Year)
l	Physics	11,12	1.0 (Year)
e	Geology	10,11,12	.5 (Semester)
c	Astronomy	10,11,12	.5 (Semester)
t	Introduction to Human Anat & Phys	10,11,12	.5 (Semester)
i	NWTC Anatomy & Physiology	11,12	1.0 (Year)
v	Lakeland/Adv. Biology	11,12	1.0 (Year)
e	AP Chemistry	11,12	1.0 (Year)

*Course prerequisite requirements must be met. Please read the full course descriptions for more detail.
**If a student plans to take AP Chemistry, Lakeland Biology, Physics or NWTC Anatomy & Physiology, they may choose to take Chemistry rather than Introduction to Astronomy and Introduction to Geology.
***The student must commit to taking one of the science college level courses if they take Chemistry and not Introduction to Astronomy and Introduction to Geology.

Social Studies (Pages 50-53)

Course Title	Grade level:	Credit
U.S. History	9-12	1.0 (Year)
Civics	9-12	.5 (Semester)
Minority Studies	10,11	.5 (Semester)
Contemporary World Studies	10,11	.5 (Semester)
Microeconomics	11,12	.5 (Semester)
Macroeconomics	11,12	.5 (Semester)
World History	11,12	1.0 (Year)
Law	12	.5 (Semester)
Psychology/Sociology	12	.5 (Semester)
AP European History A/B	10, 11,12	1.0 (Year)
UWGB First Nation Social Justice	11,12	.5 (Semester)

Technical Education (Pages 53-59)

Course Title	Grade level:	Credit
Graphic Communications Courses		
Engineering Technology	10,11,12	.5 (Semester)
Basic Drafting and Design	9,10,11,12	.5 (Semester)
Advanced Drafting and Design	10,11,12	.5 (Semester)
Communication Systems	9,10,11,12	.5 (Semester)
Graphic Arts 1	10,11,12	1.0 (Year)
Graphic Arts 2	11,12	1.0 (Year)
Graphic Arts 3	12	1.0 (Year)
Web Page Design	10,11,12	.5 (Semester)
SCHS Building Trades Courses		
Carpentry Techniques (and Home Maintenance)	10,11,12	.5 (Semester)
Production Systems	9,10,11,12	.5 (Semester)
Residential Building and Construction I (NWTC)	11,12	1.0 (Semester)
Residential Building and Construction II	12	1.0 (Semester)
Wood Products Manufacturing I (FVTC)	10,11,12	1.0 (Semester)
Wood Products Manufacturing II	11,12	1.0 (Semester)
Welding and Metals Manufacturing Courses		
Metals and Manufacturing 1 *formerly Material & Processes	9,10,11,12	.5 (Semester)
Metals and Manufacturing 2 *formerly CNC Manufacturing	10,11,12	.5 (Semester)
Advanced Machine Tool (NWTC) *formerly Machine Tool	11,12	1.0 (Year)
Welding (NWTC)	11,12	.5 (Semester)
Advanced Welding (NWTC)	11,12	.5 (Semester)
Residential Electricity and Electronics	10,11,12	.5 (Semester)
Transportation Courses		
Small Gas Engines	9,10,11,12	.5 (Semester)
Automotive I	10,11,12	.5 (Semester)
Automotive II/Serv. & Repair (FVTC)	11,12	1.0 (Semester)
Automotive II/Electrical (FVTC)	11,12	1.0 (Semester)
Outdoor Powersports Internship	12	.5 (Semester)

World Language (Pages 60-61)		
Course Title	**Grade level:**	**Credit**
French I	9,10,11,12	1.0 (Year)
French II	10,11,12	1.0 (Year)
French III	11,12	1.0 (Year)
French IV	12	1.0 (Year)
Spanish I	9,10,11,12	1.0 (Year)
Spanish II	10,11,12	1.0 (Year)
Spanish III	11,12	1.0 (Year)
Spanish IV	12	1.0 (Year)

Elective Course Offerings by Grade Level

Freshmen:

Animal and Pet Care
Aquaculture Production
Basic Design and Drafting
Beginning Horticulture and Greenhouse
Biology Ecosystems
Business and Marketing & Management
Ceramics I
Ceramics II
Communication Systems
Computer Communications
Concert Band
Concert Choir
Concert Orchestra
Drawing I
Drawing II
Digital Photography
Excel I
Fiber Crafts
Food Science
Forestry
Foundations of Business
French I
Healthy Lifestyles
Health Occupations
Introduction to IT and CS Principles
Jazz II
Large Animal Science
Let's Make a Meal
Exploring Life Skills
Metal and Glass Crafts
Metals and Manufacturing 1
Microword
Mixed Media Crafts
Music and Culture: Rock, Rap and R&B
Painting I
Painting II
Printmaking
Production Systems
Sculpture
Small Gas Engines
Spanish I
Theatrical Technical Education I
Theatrical Technical Education II
The Theatre Experience
Today's Children
Veterinary Science
Wildlife Conservation

Notes:

Please refer to the course description section for more information.

Sophomores:

Accounting I
Advanced Animal Science
Advanced Drafting and Design
Advanced Horticulture and Greenhouse
Animal and Pet Care
AP Computer Science Principles
AP European History A/B
Astronomy
Automotive I
Aquaculture Production
Basic Drafting and Design
Beginning Horticulture and Greenhouse
Business and Marketing Management
Business and Marketing II
Carpentry Techniques-Home Maintenance
Ceramics I
Ceramics II
Chemistry
Communication Systems
Computer Communications
Computer Science II
Concert Band
Concert Choir
Concert Orchestra
Contemporary World Studies
Digital Photography
Drawing I
Drawing II
Engineering Technology
Everyday Fitness
Excel I
Excel II
Exploring Life Skills
Fiber Crafts
Food Science
Forestry
Foundations of Business
French I
French II
Geology
Graphic Arts 1
Health Occupations
Healthy Lifestyles
Individualized Physical Education
(teacher approval)

International Foods
Introduction to Astronomy
Introduction to Geology
Introduction to Human Anatomy and Physiology
Introduction to IT and CS Principles
Jazz I or Jazz II
Large Animal Science
Leadership
Let's Make a Meal
Lifeguard Training
Metal and Glass Crafts
Metals and Manufacturing 1 (formerly Material and Processes)
Metals and Manufacturing 2 (formerly CNC Manufacturing)
Microword
Minority Studies
Mixed Media Crafts
Multimedia: Yearbook
Music and Culture: Rock, Rap and R&B
Officiating Team Sports
Outdoor Recreation
Painting I
Painting II
Printmaking
Production Systems
Recreational Sports
Residential Electricity and Electronics (formerly Electricity and Electronics)
Sculpture
Small Business Development/Entrepreneurship I
Small Gas Engines
Spanish I or Spanish II
Sports Weight Training
The Theatre Experience
Theatrical Technical Education I & I
Today's Children
Veterinary Science
Water Sports
Web Page Design
Wildlife Conservation
Wood Production Manufacturing I

Juniors:

Accounting I & II
Advanced Animal Science
Adv Drafting & Design
Advanced Horticulture and Greenhouse
Advanced Machine Tool
Advanced Welding
Animal and Pet Care
AP Chemistry
AP Computer Science A
AP Computer Science Principles
AP European History A/B
AP Statistics
Aquaculture Production
Ass't Child Care Teacher
Astronomy
Automotive I
Automotive II/Serv - Repair
Automotive II/Electrical
Carpentry Techniques -Home Maintenance
Basic Drafting and Design
Beginning Horticulture and Greenhouse
Business and Market/Mgt.
Business and Marketing II
Ceramics I
Ceramics II
Challenge by Choice
Chemistry
Communication Systems
Computer Communications
Computer Science II & III
Concert Band
Concert Choir
Concert Orchestra
Contemporary World Stu.
Digital Photography
Drawing I & II
Engineering Technology
Everyday Fitness
Excel I & II
Fiber Crafts
Food Science
Forestry
Foundations of Business
French I, II & III
Geology
Graphic Arts 1 & 2
Health Occupations
Healthy Lifestyles
Individualized PE
International Foods
Introduction to Astronomy
Introduction to Geology
Intro to Human Anat/Phys
Introduction to IT and CS Principles
Jazz I & II
Lakeland/Adv. Biology
Large Animal Science
Leadership
Let's Make a Meal
Lifeguard Training
Macroeconomics
Metal and Glass Crafts
Metals and Manufacturing 1 (formerly Material and Processes)
Metals and Manufacturing 2 (formerly CNC Manufac.)
Microeconomics
Microword
Minority Studies
Mixed Media Crafts
Multi Media: Yearbook
Music and Culture: Rock Rap and and R&B
NWTC General Anatomy and Physiology
Officiating Team Sports
Outdoor Recreation
Painting I & II
Personal Financial Literacy
Printmaking
Physics
Production Systems
Recreational Sports
Residential Building and Construction I
Residential Electricity and Electronics (formerly Electricity and Electro)
Sculpture
Small Gas Engines
Small Business Develop't & Entrepreneurship I & II
Spanish I, II, III
Sports Weight Training
Symphonic Orchestra
Theatrical Technical Education I & II
The Theatre Experience
Today's Children
UWGB First Nation Social Justice
UWGB Music Theory & Ear Training & Sight Training 1
Veterinary Science
Water Sports
Web Page Design
Welding
Wildlife Conservation
Wind Ensemble
Wood Products Manufacturing I & II
World History

Notes:

*** Please refer to the course descriptions sections for further information including science rules.**

Seniors:

Accounting I & II
Advanced Animal Science
Adv. Drafting and Design
Adv. Horticulture and Greenhouse
Adv. Machine Tool
Adv. Welding
Animal and Pet Care
AP Chemistry
AP Computer Science A
AP Computer Science Principles
AP European History A/B
AP Statistics
Aquaculture Production
Ass't Child Care Teacher
Astronomy
Automotive I
Automotive II/Serv-Repair
Automotive II/Electrical
Carpentry Techniques -Home Maintenance
Basic Drafting and Design
Beginning Horticulture and Greenhouse
Business and Marketing I
Business and Marketing II
British Literature
Calculus
Capstone Math
Ceramics I & II
Challenge by Choice
Chemistry
College Success & Study Skills
Communication Systems
Computer Communications
Computer Science II & III
Concert Band
Concert Choir
Concert Orchestra
Contemporary Writing
Drafting & Design Basics
Drawing I & II
Digital Photography
Engineering Technology
English Composition
Everyday Fitness
Excel I & II
Fiber Crafts
Food Science
Forestry
Foundations of Business
French I, II, III & IV
Geology
Graphic Arts 1, 2, & 3
Health Occupations
Healthy Lifestyles
Independent Adv.-Level -Artmaking
Individualized PE
International Foods
Introduction to Astronomy
Intro to Anat/Phys
Introduction to Geology
Introduction to IT and CS Principles
Jazz I & II
Lakeland/Adv. Biology
Large Animal Science
Law
Leadership
Let's Make a Meal
Lifeguard Training
Literature Explorations
Macroeconomics
Math IV
Media Awareness
Metal and Glass Crafts
Metals and Manufac. 1 (formerly Material and Processes)
Metals and Manufact. 2 (formerly CNC Manufac.)
Microeconomics
Microword
Mixed Media Crafts
Multimedia: Yearbook
Music and Culture: Rock, Rap & R&B
NWTC General Anatomy And Physiology
Officiating Team Sports
Outdoor Recreation
Outdoor Powersports Internship
Painting I & II
Personal Financial Lit.
Printmaking
Physics
Production Systems
Psychology/Sociology
Recreational Sports
Residential Building and Construction I & II
Residential Electricity and Electronics (formerly Electricity and Electronics)
Sculpture
Small Business and Dev't I & II
Small Gas Engines
Spanish I, II, III & IV
Sports Weight Training
Symphonic Orchestra
Tech Math
The Theatre Experience
Theatrical Technical Education I & II
Today's Children
UWGB English
UWGB Music Theory 1 & Ear-Training & Sight Singing 1
UWGB First Nation Social Justice
Veterinary Science
Water Sports
Web Page Design
Welding
Wildlife Conservation
Wind Ensemble
Wood Products Manufacturing I & II
World History

Notes:* Please refer to the course descriptions sections for further information.

Agriculture

Beginning Horticulture and Greenhouse Management
Grade: 9,10,11,12
Credit: 1.0 (Year)

Horticulture is one of the fastest growing industries in Wisconsin. This class covers the study of plant anatomy & physiology, requirements for plant growth, ornamental plants, landscape design, fruit & vegetable production, weed and insect identification/control, and soil science. Subject material includes factors that affect plant growth, pruning, and gardening. A greenhouse is provided as part of class instruction. Students will be involved in hands-on lab activities. They will also be working on raising plants for the annual poinsettia and spring plant sales. Real world experiences will be gained through a spring project through partnership with the City of Shawano. Guest speakers and field trips may be included.

Advanced Horticulture and Landscaping
Grade: 10, 11, 12
Credit: 1.0 (Year)
Prerequisite: Beginning Horticulture & Greenhouse or Consent of Instructor

Advanced skills in horticulture techniques will be taught. Managing a production greenhouse facility and its related operations will be taught. Concepts taught in Beginning Horticulture will be expanded to reinforce skills necessary in this vocational area. Students will work closely with downtown Shawano personnel to design, plant, care for, and distribute planters for local businesses. Landscape design will also be covered in this course. Topics will vary based on availability of resources and student interests.

Aquaculture Production
Grade: 9,10,11,12
Credit: .5 (Semester)

This course is designed to give students a new approach to a different kind of agriculture. In this course, students will learn the basics of aquaculture as it relates to fish farming. Concepts studied will include the history of aquaculture along with the types of plants and animals that can be cultured. Management practices including setting up a small-scale aquaculture system will be discussed. Nutrition, health, water quality, marketing, and the business of aquaculture will be covered. Fish that have been raised in the aquaculture lab include brown trout, rainbow trout and bluegills. Students will be responsible for daily water quality checks along with calculating their growth rate. Fish arrive in the early part of the school year and are given back to their origin in the spring.

Animal and Pet Care
Grade: 9,10,11,12
Credit: .5 (Semester)

The pet and companion animal industry is a rapidly growing segment of our economy. Employees with knowledge and skills in working with small animals are constantly needed. This course is designed to give students an introduction to small animal care and management, and allow them to research and explore many companion animal species. Concepts that will be covered in this course include the introduction to small animal care, safety, small animals as pets, animal welfare and animal rights, and nutrition. Specific animals that will be covered include dogs, cats, rabbits, hamsters,

gerbils, rats, mice, guinea pigs, chinchillas, ferrets, amphibians, reptiles, birds, fish and a final unit on careers in the small animal industry. Students will help with the daily care for the variety of animals that will be kept in the lab during the semester.

Large Animal Science
Grade: 9,10,11,12
Credit: .5 (Semester)

This course is designed to give students advanced knowledge of large farm animals. The production animals that will be covered will include dairy, beef, swine, poultry, sheep, horse and goats. This course will provide an understanding of breeds, animal health, nutrition, anatomy and physiology, training, and judging of each animal. Students will learn information, knowledge, and skills associated with careers in animal production and animal science. This course would assist the student interested in veterinary medicine, vet technician or production-based careers.

Veterinary Science
Grade: 9,10,11,12
Credit: .5 (Semester)

Veterinary Science explores the career field of animal medicine. Students will learn skills needed in any medical related field for humans or animals. Students will learn hands on the job of a veterinarian and/or veterinarian technician. Students will study different animal body systems and learn how medical techniques affect each system. Students will develop a basic understanding of overall animal health. Animal evaluation, disease diagnosis, animal handling, and vaccinations will all be covered. Students will develop an understanding of the variety of preventive and corrective practices utilized for animal health problems. Students will also develop basic skills and understanding in how an animal functions physically by learning about anatomy, reproduction, genetics, and nutrition. Guest speakers, demonstrations, field trips, lab experiments, and career exploration are also a part of this course. It will also give students the opportunity to compete in various competitions and leadership activities through the FFA.

Advanced Animal Science
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Animal and Pet Care, Large Animal Science, OR Veterinary Science

This course is designed to give students in-depth knowledge of advanced skills in animal science techniques and topics. Topics to be covered include housing, animal behavior, animal rights/welfare, genetics, animal cloning, embryo transfer, obstetrics, equipment, nutrition, digestion, diseases, foot/hoof care, conformation, and judging. Other topics in production and management will also be studied as time or interest allows. This course would assist students interested in veterinary medicine, vet technician, production based careers, or animal science college major interested individuals. Students that have taken small animal science, large animal science, OR vet science are welcome to enroll in this class.

Food Science
Grade: 9,10,11,12
Credit: .5 (Semester)

This course is about processing raw agricultural products into retail products that are ready to be purchased by the consumer. Units to be studied include food safety, honey, maple syrup, candy and confections, fruits, vegetables, nuts, dairy, meats including homemade sausage and jerky, grains, and beverages. Effort will be made to simulate the processes as much as possible in a lab situation. Visits to local processing plants are possible with guest speakers in the profession willing to come.

Forestry
Grade: 9,10,11,12
Credit: .5 (Semester)

This course is designed to discuss the principles and applications of science as they apply to trees in Wisconsin. Concepts that will be covered will be the history of forestry in the United States, the scientific study of trees, forest management, forest technologies, forest products, and new technologies and developments in the forest industry. Specific areas discussed will include Christmas tree harvesting, maple syrup production, and papermaking. A unit on land description will include the use of a compass and Garmin e-Trex G.P.S. units.

Leadership
Grade: 10, 11, 12
Credit: .5 (Semester)

The Leadership course is designed to allow students to gain practical skills that they will be able to use in their future endeavors. Students will examine leadership traits and identify skills that can be applied to successful leadership. These skills that will be discussed within this course are of the leadership nature and can be applied to all types of real life situations. Major discussion areas will include leadership styles, effective communication, group dynamics and team building, goal setting, thinking skills, and problem solving. In addition a unit in this course will focus on Sean Conveys “7 Habits of Highly Effective Teens.” Community service projects will also be infused into the curriculum.

Wildlife Conservation
Grade: 9,10,11,12
Credit: .5 (Semester)

This course is designed for those students who have an interest in conservation and wildlife as it exists in Wisconsin and the U.S. Topics that will be discussed will include the beginning of wildlife restoration, basics of wildlife ecology and its relationship to agriculture. Specific attention will be given to wildlife animals that are in season for the semester the course is offered. This course utilizes many resources in our community such as the Wisconsin Department of Natural Resources, Sha-Paca Trout Unlimited, Wisconsin Deer Hunters, Ducks Unlimited, Turkey Federation, Shadow’s on the Wolf.

Art and Theatre

The Theatre Experience
Grade: 9,10,11,12
Credit: .5 (Semester)

Feel dramatic? Want to act, write scripts, or learn about acting? This is the class for you! This semester class is an opportunity for students to become acquainted with theatre, drama, acting, and playing make-believe in a structured setting. We will study theatrical basics like history, theory, stage structure, styles, and genres. We will also move on to more advanced areas of character and script analysis, script writing, and performance technique, including focus on movement and vocal abilities. Students will be expected to memorize, perform, and actively participate in monologue and scene work in front of an audience.

Technical Theater Education I
Grade: 9,10,11,12
Credit: .5 (Semester)
Prerequisite: C average grade point and teacher recommendation. (Students will be expected to maintain a C average).

Like to work with your hands and learn how things work? Take a shot at technical theater! This semester class trains students in the application and design of technical theater. We cover the basics of set, costume, light, and sound design. In addition, students learn and participate in the application of set construction, grip work (hanging and aiming lights), and light and sound board operation. Students tackle the responsibility and earn the satisfaction of helping to run school district productions, including plays, the musical, and various concerts. Students are expected to put in hours outside of the regular classroom as part of their grade. If Technical Theater Education II is not offered, students may repeat this course provided they are cleared by the instructor and maintain an average GPA of C or better.

Technical Theater Education II
Grade: 9,10,11,12
Credit: .5 (Semester)
Prerequisite: Students must pass Technical Theater Education I with a C or better.

Did you enjoy Technical Theater Education I (TTE I)? Sign up to continue your journey with theatre arts. This second semester assumes you already know a great deal of the basics: application and design concepts for lights, sound, set, and costumes. We will review all of these concepts but they are not covered in the same depth as TTE I. Instead, we practice and develop design skills in these areas while also practicing the skills in real life settings. We also assist with setting up sound equipment and stages for performances. In addition, we will cover the rules and regulations of what it means to be a stage manager and the work involved in running a show from the technical side. Those who perform well may be asked to help with designing aspects of future shows at Shawano High or even in the community. It should be noted that students are still expected to put in hours outside of the regular classroom as part of their grade. Students wishing to repeat TTE II would need to maintain an average GPA of C or better, pass the class with a C or better, and/or have a teacher recommendation.

Ceramics I
Grade: 9,10,11,12
Credit: .5 (Semester)
The basics of creating with clay are covered in this course. You will create with the various types of clay and glazes available. Techniques such as pinch-forming, coil building, and slab construction are used as are basic clay-sculpting methods. Course material will also include the history of ceramic art, artists, and techniques as well as composition.

Ceramics II
Grade: 9,10,11,12
Credit: .5 (Semester)
Prerequisite: Completion of Ceramics I with a grade of C or higher
This course is a continuation of Ceramics I. Possible projects include wheel-thrown vessels, themed sculptures, and working with advanced clay and glazing techniques. You are encouraged to use individual ideas and problem-solving techniques in your work. Art and artists both past and present will be investigated as a source for personal inspiration and technical knowledge.

Sculpture
Grade: 9,10,11,12
Credit: .5 (Semester)
A variety of relief and free-standing sculptures will be created in this course. You are taught composition and techniques of media (materials) used in the construction of your sculptures. Materials that are used include, but are not limited to: plaster, foam board, paper-mache', wire, and mixed-media. Course material will include the history of sculpture art and artists.

Fiber Crafts
Grade: 9,10,11,12
Credit: .5 (Semester)
This course involves any manipulation of fibers. Methods may include sewing, crocheting, knitting, felting as well as batik and tie dyeing. Projects may include creating stuffed animals, cozies, clothing and more. This class is for the student who is interested in working with fabrics and threads. Course material will include the historical and cultural aspect of each unit in addition to the technical.

Metal and Glass Crafts

Grade: 9,10,11,12
Credit: .5 (Semester)
This course involves the manipulation of a variety of metal and glass forms. Methods may include soldering, tool working, enameling, and mosaic. Media includes wire, sheet metal, metal foil, and glass. Course material will include the historical and cultural aspect of each unit in addition to the technical.

Mixed Media Crafts
Grade: 9,10,11,12
Credit: .5 (Semester)
This course involves the manipulation of a variety of media (materials). Projects may include creating paper vessels, altered books, macramé jewelry and more. Media includes a variety of papers, hemp cord, beads, drawing media, fibers and found materials. Course material will include the historical and cultural aspect of each unit in addition to the technical.

Drawing I
Grade: 9,10,11,12
Credit: .5 (Semester)
In this introduction-to-drawing course you will learn the methods of drawing realistically. Drawing mediums are introduced through experimentation with drawing pencils, pastels, charcoal, and marker. Develop your observational skills as well as your knowledge and understanding of composition. You will also learn about the history of these drawing mediums and the artists who used them.

Drawing II
Grade: 9,10,11,12
Credit: .5 (Semester)
Prerequisite: Drawing I with a grade of C or higher
Continue to develop your drawing skills with this course. Advance your understanding of observation and subject matter as you develop and express your original, personal ideas. Movements and trends in drawing will be studied. Traditional media such as pencils, ink, charcoal, and pastel will be used in addition to using multiple media in one work. You should be prepared to bring more creativity and originality into your drawings as well as draw from observation.

Painting I
Grade: 9,10,11,12
Credit: .5 (Semester)
Learn how to paint using the unique qualities of watercolor, oil and acrylic paints. Each unit will include composition, technique, and the importance of choice in the selection of subject matter. The history of painting, movements, and styles will also be explored.

Painting II
Grade: 9,10,11,12
Credit: .5 (Semester)
Prerequisite: Painting I with a grade of C or higher
In this class you will further explore the painting media of watercolor, acrylic and oil. You will also experiment with combining drawing and painting media in one composition. You should be prepared to bring more creativity and originality into your paintings as well as paint from observation.

Printmaking
Grade: 9, 10, 11, 12
Credit: .5 (Semester)
Do you want an art class where you can carve, cut, paste, smear ink, press it onto paper, and then do it again! In this class you will learn the various printmaking methods of monoprinting, relief printing, collagraphs, and chine colle'. Create original compositions with each of these techniques and learn the history behind them.

Digital Photography
Grade: 9, 10, 11, 12
Credit: .5 (Semester)
This course involves DIGITAL photography as a form of fine art. Learn how to take better looking (composed) photos using a digital camera, and yes, even your phone! Photo content, meaning, and composition will be emphasized throughout the semester. Adobe Photoshop will be used to size and edit your photographic works of art. Learn to enhance your compositions with the tools of Adobe Photoshop to reproduce traditional

photography techniques such as toning, hand-tinting, Pictorialism, and much more! Photographers both past and present will be studied for inspiration.

Independent, Advanced-Level Artmaking
Grade: 12
Credit: 1.0 (Year)
Prerequisite: A minimum of four semesters of any art courses with a grade of C or higher in each of those courses.
This course is an opportunity for you, as a serious art student, to advance your skills in concepts and mediums studied in previous art courses. The emphasis of each unit is further improvement in composition, media use, and idea. Some units may include specific themes or historical art research; however, you are responsible for the direction of your own art. This course also provides an opportunity for you to create a portfolio of your art if needed for plans after high school.

Business and Technology

Accounting I
Grade: 10, 11, 12
Credit: 1.0 (Year)

This course uses a double-entry accounting system to record transactions and prepare financial statements in a sole proprietorship, partnership, and corporation. The use of APLIA, an online software, is used for completing transactions and problems. A MUST for anyone thinking of a career in accounting, law, computer programming, or business. Combined with Accounting II.

Accounting II
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Accounting I

A continuation of Accounting I. Accounting procedures for partnerships, corporations, and various computer software will provide in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions.

Business and Marketing Management
Grade: 9,10,11,12
Credit: .5 (Semester)

Sign up for a fun filled semester with Business and Marketing I. Business and Marketing I is a one semester course that introduces students to the dynamic world of marketing goods and services. Students will have the opportunity to learn how products and services are developed, promoted, and distributed to the final consumer. Highlights of this course include a tour of the Green Bay Packers Lambeau Field.

Business and Marketing II
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Business and Marketing I

Business and Marketing II is a one-semester advanced marketing course. Students will continue to develop skills learned in Business and Marketing I and explore the vast world

of Marketing, and how products are marketed and promoted in the marketplace. Throughout the semester, students will see how products are marketed both internationally and domestically through activities and the television series “The Apprentice.” Students will also have the opportunity to create a promotional plan and budget for any product of their choice.

College Success & Study Skills
Grade: 12
Credit: .5 (Semester)

This course will provide college bound learners with strategies to develop skills for success in college and to apply self-management techniques, explore resource management strategies, practice study skills, and ways to improve personal effectiveness. Exploration of college culture, admissions requirements, and strategies for getting into the college of your choice are also offered.

Computer Communications
Grade: 9,10,11,12
Credit: .5 (Semester)

This class is a stepping stone to all high school classes that will use the computer. Currently using Office 2016. The following objectives will be met: strengthening keyboarding skills, formatting professional documents, developing a multimedia presentation, Internet savvy, creating spreadsheets, and publications. Each student will be required to create a portfolio to help them better prepare for graduation and beyond.

Introduction to IT and Computer Science Principles (Formerly called Computer Science I)
Grade: 9,10,11,12
Credit: 1.0 (Year)

The CS (Computer Science) Principles portion of this course will introduce you to computer programming, abstractions, algorithms, large data sets, the internet, cybersecurity, issues of concern, and the impact of computing. You will be introduced to the foundational concepts of computer science and will be challenged to explore how computing and technology can impact the world. The IT (Information Technology) portion of this course provides an overview of IT by comparing and contrasting the various fields within the broader IT industry. Students will be exposed to hardware, software, networking, programming, and analyst roles to understand how each plays an integral role in IT. This course is less than 25% computer programming.

Computer Science II
Grade: 10, 11, 12
Credit: 1.0 (Year)
Prerequisite: Computer Science I/Introduction to IT and Computer Science Principles

This course is a continuation of Computer Science I/Intro to IT and CS Principles. Emphasis will be placed on solving more complex problems and using the concepts learned in Computer Science I. The languages used will be Python, Visual BASIC, Scratch, Alice, Java, HTML and C++. Students will also have the opportunity to develop cell phone apps.

Computer Science III
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Computer Science II

This course is a continuation of Computer Science I/Intro to IT and CS Principles & Computer Science II. Students will have the opportunity to perfect their skills in languages already learned and will have input in their particular course of study. Choosing appropriate data structures and team-based programming will be part of the course. A variety of computer languages will be used.

AP Computer Science Principles
Grade: 10, 11, 12
Credit: 1.0 (Year)
Prerequisite: Have passed Math I

AP Computer Science Principles (AP CSP) will involve you in the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity, issues of concern, and the impact of computing. You will develop skills that are in high demand and are valued by colleges and employers. You will be introduced to the foundational concepts of computer science and will be challenged to explore how computing and technology can impact the world. This course is the newest AP course and has been specifically designed to be accessible to, and to appeal to, the widest variety of students and is targeted specifically at first-time AP students which makes it an ideal class for all.

AP Computer Science A
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Two prior Computer Science courses, or one prior Computer Science course with consent of instructor.

This course serves as both an introductory college course for those who will major or minor in computer science and as a course for people who will major or minor in disciplines that require significant involvement with technology. In AP Computer Science A, we will design and implement computer-based solutions to problems in a variety of application areas. We will develop or select and then implement appropriate algorithms and data structures using the Java programming language while emphasizing the object-oriented paradigm.

Excel I
Grade: 9,10,11,12
Credit: .5 (Semester)

This class gives students the opportunity to apply word processing, data applications, and spreadsheet applications using Excel 2016, create automated payroll accounts, budget planning to real life business applications, and further develop skills in creating, revising, and updating documents.

Excel II
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Excel I

This class gives students the opportunity to continue their skills from the Excel 1 course. Students will continue to learn skills related to everyday business functions. They will continue to make complex spreadsheets using many formulas and other functions using Excel; financial tables, data tables, amortization schedules, worksheet databases, creating templates, working with multiple worksheets and workbooks, visual basic applications, pivot tables, data maps and many more. They will also continue with the "Stock Market Crash" simulated stock market project.

Foundations of Business
Grade: 9, 10, 11, 12
Credit: .5 (Semester)

This course is for students who want to explore business courses and careers but are not sure where to begin. Areas covered include basics in each of the following: management, human resources, marketing, manufacturing and production, investments, and entrepreneurship. This course is recommended for students who are interested in pursuing a career and/or an education in any business field. It is also designed to help students acquire a more thorough, in-depth knowledge of techniques used in solving business problems.

Microsoft Word
Grade: 9,10,11,12
Credit: .5 (Semester)

This course further develops keyboarding skills and applying word processing functions and commands to format, key enter, retrieve, edit, and print complex business documents including one or more page business letters, memorandums, tables, manuscripts/reports and tabulated tables. Students completing this course will have necessary skills to apply word processing functions in all areas of education, personal and career uses. This class also involves more advanced keyboard processing skills. Some of those skills include setting up newspaper columns, inserting graphics, spreadsheets, mail-merges.

Multi Media: Yearbook
Grade: 10, 11, 12
Credit: 1.0 (Year)

Yearbook is a yearlong course. An application must be completed and the instructor's permission must be given to enter this class. Being a yearbook staff member requires teamwork, commitment and dedication. A production such as this takes coordinated efforts and adherence to deadlines. A pass/fail grade will be given based on participation and attendance. Production involves planning, layout, writing articles and captions, obtaining photographs, organizing, selling advertising and dedications, and advertising for yearbook sales and distribution. All staff members will attend a half-day seminar on yearbook layout. Two co-editors will be sent to a four-day yearbook camp sponsored by our publisher each summer. Class size is limited to eight members.

Personal Financial Literacy
Grade: 11, 12
Credit: .5 (Semester)

Are you ready to live on your own? This class will prepare students for the freedom and challenges of living on their own. Examples of topics that will be explored are: creating and balancing a budget, financial services, personality types, time management, signing a lease, housing options, credit and debit cards, personal identity safety, and insurance. This class is perfect for anyone who plans to move out on their own someday!

Small Business Development / Entrepreneurship I
Grade: 10, 11, 12
Credit .5 (Semester)

Would you like to be your own boss someday? Want to make money? Consider becoming an entrepreneur! Learn what it is like to own your own business. Prepare a business plan that takes you from the idea to the real thing. Start a real business in class and sell your product or service. You will gain valuable experience in leadership and teamwork and hands-on experience of creating a business from scratch. Focus on innovation and learning traits and success stories of famous innovators is also included.

Small Business Development / Entrepreneurship II
Grade: 11, 12
Credit: .5 (Semester)
Prerequisite: Small Business Development / Entrepreneurship I

Further expand your dreams of becoming an entrepreneur with this level 2 course. From creating your business, to the business plan, to marketing, to liquidating, students will continue their exploration of becoming a small business owner! You will gain valuable experience in leadership and teamwork and hands-on experience of creating a business from scratch. Real business consultants from our community will help the student-run company to succeed!

English

After the required freshmen, sophomore, and junior English requirements have been met, a student may choose a semester-long course in their senior year. One-half credit in Communication Arts (speech) is required of everyone as part of their four required credits of English. The other .5 credit can be at the discretion of the student. Non-Fiction Writer's Workshop may be taken during a student's sophomore, junior and/or senior year.

English 9
Grade: 9
Credit: 1.0 (Year)

This course welcomes the freshman student to high school English academics. Reading short stories, plays, poetry, and informational documents as starting points, student's research and respond through presentations and writing in order to show a deeper understanding of the human experience. Interesting assignments encourage students to take a more active role in their learning through thoughtful reading, research skill development, and writing adaptability.

English 10
Grade: 10
Credit: 1.0 (Year)

This course is the middle child of high school English and continues the study of literature and informational texts. Students further improve research skills and respond through presentations and writing to show connections between the written word and the world around them.

English 11
Grade 11
Credit 1.0 (Year)

As the older sibling of English at Shawano High, this course emphasizes the collaborative nature of shared learning. Students read and research extensively and present their findings through written and formal presentations.

Communication Arts
Grade: 11, 12
Credit: .5 (Semester)

Is stage fright getting the best of you? Do you avoid school when you know it is your turn to present a project in front of the class? If so, then this is the right class for you. Learn the secrets to successful public speaking. We will cover the informative speech, the persuasive speech, the demonstrative speech, and the special occasion speech. You will even get to experience “The Jar”. Learn how to create attractive and effective visual aids, write and use a speaker’s outline as well as operate presentation equipment. Experience the excitement; it will change your life.

Literature Explorations
Grade: 12
Credit: .5 (Semester)

This course offers a wild ride through reading literature in all its crazy forms. Will it be a mystery, a fantasy, a romance, poetry, an adventure, an autobiography, or a science fiction novel? Meet interesting characters and explore unusual situations. There will also be academic adventures of class discussions, writing papers, and creating projects. This course is enhanced by career speakers in connection with the literature as time allows. Curious? Then join us!

British Literature
Grade: 12
Credit: .5 (Semester)

Have you ever wondered which circle of Hell you might end up in according to Dante? Do you like stories about knights in shining armor battling monsters to save a damsel in distress? Then British literature is for you! This course covers the Anglo-Saxon Period to the end of England's Age of Reason, and will strengthen a student's critical analysis skills through reading, writing, and multimedia presentations

English Composition
Grade: 12
Credit: .5 (Semester)

This course emphasizes the writing process through the development of writing academic papers which focus on the research and incorporation of secondary sources. The course will further develop formal narrative, descriptive, persuasive and expository writing. This is a course for those students going on to universities and technical colleges.

Media Awareness
Grade: 12
Credit: .5 (Semester)

This course counts as a writing credit. Have you been raised by the media? Not even sure? Do you understand the embedded messages in commercials and other forms of media? This course will sort it all out for you and help you be a wise consumer. See beyond the smoke and mirrors of advertising. Analyze the news media through magazines, newspapers and TV. Master the skills of analyzing the characters and plots within movies and TV shows. Enjoy all of this through lively discussions, thoughtful readings, and writing assignments that pertain to the world around you. ***Note* This class does not meet NCAA class requirements.***

Contemporary Writing
Grade: 12
Credit: .5 (Semester)

This course almost couldn't be labeled! A great combination of interesting and thought provoking assignments. From writing for the social network to mastering a response to a complaint letter—and what is it with the poetry? This course teaches students the format of various writing genres (social media to business) as well as identifying and writing for audiences. Grammar, punctuation and usage are covered as students construct meaningful and interesting works. Vocabulary and research skill development are an added bonus! This course will interest the writer in any student. (Useful for technical school bound students)

UWGB English
Grade: 12
Credit: 1.0 (6 College Credits) (Year)
Prerequisite: Successful completion of the placement test.
Note: The student assumes all costs for college credit and books.

Introduction to American Literature I: English 216
Are you curious about early American witch hangings and people being buried alive? Have you ever wondered exactly what the "American Dream" is and how one goes about achieving it? Are you in search of true unique individuality? Do you enjoy reading literature and discussing the finer points of life? If you have answered 'yes' to any of the above questions, then this is a class for you. This course is an introductory survey of American Literature (from the Puritans through of the Civil War) taught at SCHS in conjunction with UW-Green Bay and is not for the faint of heart. As a class we will read, discuss, and analyze literature guaranteed to bend your mind in directions that you never thought it could go! Any student wishing to enroll must meet the UW-GB literature prerequisite of a 3.25 GPA and score a 25 or higher on the ACT Reading test.

Introduction to American Literature II: English 217
Do you enjoy sitting and smelling the roses? Watching the stars as they glow under the heavens? Have you ever dared to disturb the universe? Have you ever wondered why minorities and women are portrayed a certain way in literature? Do you want to learn how to affirm and assert your individuality? Do you enjoy reading literature and discussing the finer points of life? If you have answered 'yes' to any of the above questions, then this is a class for you. This course is an introductory survey of the second half of American Literature (from Post Civil war through the Twentieth Century) taught at SCHS in conjunction with UW-Green Bay and is not for the faint of heart. As a class we will read, discuss, and analyze literature guaranteed to bend your mind in directions that you never thought it could go! Any student wishing to enroll must meet the UW-GB literature prerequisite of a 3.25 GPA and score a 25 or higher on the ACT Reading test.

Family and Consumer Sciences

Assistant Childcare Teacher
Grade: 11,12
Credit: .5 (Semester)
Prerequisite: Today's Children

Field trips to community child care centers allow students the opportunity to practice job skills. Topics that will be explored are; child care services, center environments, child development, positive guidance techniques, classroom activities, safety, health, and meals/snacks requirements.

Health Occupations
Grade: 9,10,11,12
Credit: .5 (Semester)

Get a jump-start into the fast-growing medical career field with this exploratory class! This course introduces the student to a variety of health care careers and develops basic skills required in all health and medical sciences. It is designed to help students understand the key elements of the U.S. healthcare system and to learn basic health care terminology. To give students a real view of these careers, this class is full of guest speakers who are currently working in the health field.

Healthy Lifestyles
Grade: 9,10,11,12
Credit: .5 (Semester)

Nutrition and making healthy choices are emphasized in this class. Some of the areas to be explored: essential nutrients, fast foods, fad diets and eating disorders, food label reading, the food groups and ChooseMyPlate. Students will also explore their family health history and look at what they can do as a young adult to make good choices to maintain healthy lifestyles. Mental health and the importance of self-care will be covered and practiced in this class.

International Foods
Grade: 10, 11,12
Credit: .5 (Semester)

Quiche, lasagna, chili con queso, risotto, paella, stir fry….. a variety of foods and cultures to explore. Learn about the background and preparation of ethnic foods from

French, Italian, Chinese, and Spanish cultures. It is strongly recommended that you take Let's Make a Meal before taking International Foods.

Let's Make a Meal
Grade: 9,10,11,12
Credit: .5 (Semester)

Do you like to cook and eat…..then this class is for you!! Students will work in teams to plan, prepare, sample and evaluate a variety of foods. The proper identification and use of equipment, correct measuring techniques, sanitation and handling food safely are also emphasized. You will be eating the rest of your life, learn the basic principles involved in the selection and preparation of foods so they can make healthy, cost-effective nutritious choices when shopping and preparing foods. It is strongly recommended that you take Let's Make a Meal before taking International Foods.

Exploring Life Skills
Grade: 9,10
Credit: .5 (Semester)

Life skills equip students to thrive in the classroom and in the world beyond. Students will have the opportunity to interact with each other and learn skills that can help them become responsible family members, citizens and consumers. Topics to be explored: personal values, effective communication styles, family dynamics, goal setting and critical thinking skills. Students will create a career portfolio while researching a career of interest to them. Lastly, students discover in household budgeting how to get the most with the financial resources they have.

Today's Children
Grade: 9,10,11,12
Credit: .5 (Semester)

Students will learn about how children grow and develop. Topics to be explored: families and relationships, communication, understanding children's messages, child development and brain development, caring for and guiding children, health and safety of children, nutrition and making good choices for healthy lifestyles.

Mathematics

Math I
Grade: 9
Credit: 1.0 (Year)

This is the first course in our high school integrated mathematics curriculum. It includes the study of Algebra (Functions & Equations: Linear & Exponential), Geometry (Congruent figures, Constructions, Coordinate Geometry) and Statistics (Interpret data: linear models). The Standards for Mathematical Practice are emphasized.

Math II
Grade: 9, 10
Credit: 1.0 (Year)

This is the second course in our high school integrated mathematics curriculum. It includes the study of Algebra (Functions & Equations: Quadratic, Exponential, Absolute Value, Piece-wise), Geometry (Proving Theorems, Similar Figures, Right Triangle

Trigonometry, Circles, Conics) and Probability (Independent & Conditional, Compound Events). The Standards for Mathematical Practice are emphasized.

Math III
Grade: 10, 11
Credit: 1.0 (Year)

This is the third course in our high school integrated mathematics curriculum. It includes the study of Algebra (Functions & Equations: Polynomial & Rational, Logarithmic, Trigonometric), Geometry (Modeling, Unit Circle Trigonometry) and Statistics & Probability (Inference, Random Processes). The Standards for Mathematical Practice are emphasized.

Math IV
Grade: 11, 12
Credit: 1.0 (Year) - Students can earn 5 college credits from UW Oshkosh for taking this course - 108 - Pre-Calculus
Prerequisite: Must meet the benchmark on the math college placement exam

This is the culminating course in our high school integrated mathematics curriculum. Content includes foundational preparation for calculus including an introduction to limits and continuity, calculating and interpreting area under a curve and calculating and interpreting instantaneous rates of change and tangents to curves. Other topics include Trigonometry, Logarithms, Conic Sections, Geometry, Statistics, Probability and a review of Algebra. Preparing students for Calculus and for college and developing a deep understanding of mathematics is the emphasis. Students will have the opportunity to take this class for a semester course of college credit through UW-Oshkosh over the duration of an entire year. Students are responsible for paying for the college credits earned, which is offered at a reduced rate.

Tech Math
Grade: 12
Credit: 1.0 (Year)
Prerequisite: Math III

Topics include solving linear equations; graphing; percent; proportions; measurement systems; computational geometry; 40 right triangle trigonometry; performing operations on polynomials; solving quadratic and rational equations; formula rearrangement; solving systems of equations; and oblique triangle trigonometry. Emphasis will be on the application of skills to technical problems. Great for the student interested in a career in the trades.

Math Capstone
Grade: 12
Credit: 1.0 (Year)
Prerequisite: Math III and Math teacher recommendation

This senior math course prepares students for post-secondary school by reviewing major concepts of Math 1-3, exploring and introducing precalculus & statistics topics, and preparing students for collegiate math placement exams.

Calculus
Grade: 12
Credit: 1.0 (Year) Students can earn 5 college credits from UW Oshkosh for taking this course – Math 171 – Calculus I
Prerequisite: Math IV (UWO course requirement: must have passed Math IV with a grade of C or better) Students must pay for the college credits, which are at a reduced cost.

This course is designed to cover the first semester of college Calculus plus an introduction to the second semester over the course of an entire year. The three main topics covered include: Limits and Continuity, Derivatives, and Integrals. Primary applications will be in the fields of Physics, Business, Engineering, and Economics. In addition to UW-Oshkosh college credits, students also have the opportunity to take the AP test at the end of the year to earn college credit if desired (but it is not required).

AP Statistics
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Math III

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course may be taken by itself or concurrently with another math class. Students taking this course will need strong math skills, so should have earned mostly A's and B's in previous math courses. Students will have the opportunity to take the AP exam at the end of the year.

Music

Any student enrolled in a performing music class, instrumental or vocal, shall be required to be in attendance when the class performs at a departmental concert, music festival, or other special event scheduled at a time other than the normal school day. Failure to be in attendance at such prescribed concerts will be considered as non-completion of the class for credit. Special exemption must be arranged with the Director prior to any performance – NOT AFTER!

Band

Concert Band
Grade: 9,10,11,12
Credit: 1.0 (Year)
Prerequisite: Need Consent from Instructor.

This band will consist of mainly freshmen and sophomores but it will also be open to students of all grades returning to band. This band is also part of the marching and pep bands. The Marching Band performances include the Homecoming parade, football half-time shows Santa Parade and the Shawano Memorial Day Parade. This group performs at athletic events as part of the pep band (one in a given week if possible maximum). This band will also perform at all band concerts throughout the year and members will participate in solo and ensemble.

Wind Ensemble
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Prior band experience and consent of instructor

Wind Ensemble is made up of primarily grades 11-12, with some sophomores being asked to play in this band. The group performs many different types of concert band literature. Performances by the group include Christmas and spring concerts, as well as Commencement. The Wind Ensemble also functions as a Marching Band. The Marching Band performances include the Homecoming parade, football half-time shows and the Shawano Memorial Day Parade. This group performs at athletic events (one in a given week if possible maximum). Members are expected to participate in Solo and Ensemble in some way.

Jazz I
Grade: 10, 11, 12
Credit: 1.0 (Year)
Prerequisite: Audition or instructor permission and current enrollment in Concert Band, Wind Ensemble or Orchestra is required.

This course pursues the small ensemble performance experience in rock/jazz or swing music of the "big band" era. An adjunct to the performance aspect of the class is instruction in improvisational technique as it applies to jazz/rock music. Instrumentation limited. Entrance into this ensemble is by audition or instructor permission "only"!

Jazz II
Grade: 9,10,11,12
Credit: 1.0 (Year)
Prerequisite: Audition or instructor permission and current enrollment in Concert Band, Wind Ensemble or Orchestra is required.

This course pursues the small ensemble performance experience in rock/jazz or swing music of the "big band" era. An adjunct to the performance aspect of the class is instruction in improvisational technique as it applies to jazz/rock music. Instrumentation limited.

Choir

Concert Choir
Grade: 9,10,11,12
Credit: 1.0 (Year)

Students in this class will study choral literature via performance. Emphasis is given to the development of individual vocal talents both in the group activity and in singular performance. Class members will be expected to participate in departmental concerts, presentations, and festivals. Students enrolled in Concert Choir may set up lesson time, twenty minutes per week. During lessons, students will be given the opportunity to work on Solo or Small Ensembles for our yearly Solo/Ensemble festival in early March. Students will also be given the chance to work on audition material for the winter musical, Vox Aeterna, and outside performance opportunities.

Vox Aeterna
Grade: 10, 11, 12 (Auditioned Ensemble)
Credit: 1.0 (Year)
Prerequisite: One Year of Concert Choir experience, Audition, and consent of director

Vox Aeterna (Latin for Eternal Voice) is an auditioned small ensemble singing experience with a focus on acapella singing. Individuals who are seeking a challenging choir experience may wish to audition for this group. Students will explore an assortment of challenging vocal repertoire from significant historical time periods as well as the present day. Class members will be expected to participate in departmental concerts, presentations, and festivals. One year of Concert Choir experience is required to participate in this ensemble. Students are required to take voice lessons with the director and are highly encouraged to participate in Solo Ensemble. Everyone is required to audition each year and return membership is NOT guaranteed. Students are expected to show dedication towards choir program events, growth in musical skills, and a respectful and responsible temperament both in and out of the classroom.

Orchestra

Concert Orchestra
Grade: 9, 10, 11, 12
Credit 1.0 (year)
Prerequisite: Prior orchestra experience or consent of instructor

This orchestra ensemble consists mainly of freshman and sophomores: however, it is open to students of all grades who wish to return to orchestra or participate in both orchestras as 11th/12th graders. Musical study and performances include both arrangements and original scores of baroque, classical, romantic and popular music. Coursework includes beginning theory and an introduction to music history. Concert Orchestra performs at the Golden Strings concert, Combined Holiday concert, mid-winter and spring concerts, and District Solo and Ensemble. Other performing opportunities are available during the year. Individual and small group lessons are part of the course requirement, which are offered at school.

Symphonic Orchestra
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Prior orchestra experience **and** consent of instructor

Symphony Orchestra consists of advanced players who have at least 5 years of orchestra experience and consent of the instructor. This orchestra performs both string orchestra music and standard symphonic literature, combining with members of the Wind Ensemble. Coursework includes solo and small ensemble performances, advanced theory and music history. Symphonic Orchestra performs at the Golden Strings concert, Combined Holiday concert, mid-winter and spring concerts, District and State Solo and Ensemble, and Graduation. Other performing opportunities are available during the year. Individual and small group lessons are part of the course requirement, which are offered at school.

New and exciting elective offerings for music lovers!

Music and Culture: Rock, Rap, and R&B
Grade: 9, 10, 11, 12
Credit: .5 (Semester)

This course offers the student an opportunity to study the role of Rock, Rap, and R&B in American culture. Students will learn the elements of music, explore the historical context in which different works and genres were created, and how Rock, Rap, and R&B have influenced American culture. Topics include: elements of music, traditional, classical and popular music, Rock, Rap, R&B, and the Music Industry. Through the study of music history and its relationship to civilization and art, students will understand the aesthetical value of Rock, Rap, and R&B in American culture.

UWGB Music Theory 1 & Ear-Training & Sight Singing 1

Grade: 11, 12
Credit: .5 (Semester) Students can earn 4 college credits from UW Green Bay for taking this course – Music 151 (Music Theory 1 – 3 college credits) and Music 115 (Ear-Training & Sight Singing 1 – 1 college credit)
Prerequisite: Must be simultaneously enrolled in a band, orchestra, or choir class, have a 2.75 GPA and be approved by the teacher

This course is designed for students with a career interest or talent in music. Learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music. Topics include music theory (the materials of which Western music is made) not only in structural terms, but also in psychological, aesthetic and social perspective; identifying features of pitch, interval, scales and keys, chords, meter, rhythm, and other musical concepts in performed and notated music; and concentrated drills in all aspects of musicianship with emphasis on sight singing and aural perception in intervals, melodies, chords and rhythms. This course is a dual credit course in collaboration with the University of Wisconsin-Green Bay.

Physical Education & Health

All students are required to take one of the two following classes: Fundamentals of Physical Education or Sports Weight Training. You may only use one weight training class to fulfill the 1.5 credits to use toward your graduation requirement. Once students have taken these they can choose between one of the many class offerings for their required Physical Education credit. Students are encouraged to take additional Physical Education classes as electives. In grades 9-12 at least 1.5 credits of physical education incorporating effects of exercise, health-related fitness, and lifetime activities. Credits must be earned over three separate years.

Shawano has a swimming suit policy which states: Students shall wear conservative swimsuits, one piece for girls and a boxer style for boys.

Health
Grade: 9, 10, 11, 12
Credit: .5 (Semester)
Students may get certified in AED, First Aid and CPR. Please inquire with the teacher.

This course will cover such topics as mental health, personal and community wellness, alcohol and tobacco/other drugs, aging and dying, nutrition, first aid/CPR, and family living/sexually transmitted diseases. The class stresses value clarification, decision-making skills, developing a positive self-image, and gaining objective and accurate information in the above listed areas.

Sports and Fitness
Grade: 9, 10
Credit: .5 (Semester)

Students will experience a variety of what is offered in the High School Physical Education Department in this course. This course consists of elements of two different classes with two different teachers, which combine for one grade. Activities could include team sports, racquet sports, bouldering, fitness testing, and weight training techniques.

Sports Weight Training
Grade: 10, 11, 12
Credit: .5/1.0 (Semester or Year)
Prerequisite: Sports and Fitness

The course is designed to build on concepts learned in Sports and Fitness and is for self-motivated individuals who are serious about improving their performance. Students will be learning proper technique and work towards proficiency of Olympic and Power lifts such as cleans, deadlifts, squats and other performance lifts. The students will also be progressively trained in linear and lateral speed, agility, mobility and flexibility. This is a course geared towards performance rather than general fitness and is RIGOROUS. Be ready to work!

Functional Physical Education
Grade: 9, 10, 11, 12
Students must have an IEP and be Instructor approved for this class.

Individualized Physical Education
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: All applicants must be approved by the instructor.

This program is designed for students who would specifically benefit from an individually designed fitness program but do not require an adapted program. Class participants will identify good nutritional practices, and learn more about personal wellness. Students with medical (or possibly emotional) issues that may negatively affect their participation in a regular physical education class are prime candidates. Student's selection is by parent referral, teacher referral, and/or student self-referral.

Lifeguard Training
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Sports and Fitness

Students will also have to pass a swimming test **before the start of class.** See Mr. Kammerer for more details. Must be 15½ by completion of the class.

Lifeguard Training provides knowledge, skills, and practice needed to become well-trained and effective lifeguards. It teaches preventive live guarding and facility safety. Rescue approaches, assists, and carries are taught and practiced. Rescue breathing is practiced in and out of water. Emergency care for spinal injury in the water is also included in this unit. The student must be certified in CPR for the Professional Rescuer for Lifeguard certification. Cost: Lifeguard Training Textbook of $40.00 and Certification of $19.

Water Sports
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Sports and Fitness

The units may include water polo, water basketball, volleyball, swimming games/relays, canoe/kayak activities and other water games.

Everyday Fitness
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Sports and Fitness

Are you looking for that elective PE class that can prepare you to be healthy and fit for the rest of your life? Everyday Fitness is the course for you. Learn to take control of your own fitness and pick up healthy habits to continue being active after high school. Take part in individualized fitness programs and learn the basics of weight training, while in the gym. This class does not go to the weight room and does not play traditional sports. Students cannot take Weight Training at the same time.

Officiating Team Sports
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Sports and Fitness

This class will educate you in the rules & techniques in officiating some or all of the following sports: football, soccer, volleyball, basketball, softball, and baseball. A whistle with a lanyard will be required. Schools are always in need of officials, so develop your officiating skills & open some job opportunities for the future!

Challenge by Choice
Grade: 11, 12
Credit: .5 (Semester)
Prerequisite: Sports and Fitness

Please read this course description carefully! If you are into phy ed for competition, this is NOT the class for you. The class is what the title states; each participant is encouraged to challenge him or herself to reach new levels in various areas of their lives. However that challenge is always by choice, never forced. Students signing up for this class need to be aware of their commitment to participation, practicing safety procedures, and adapt to weather conditions. There is a course fee that allows us to take various field trips such as rock climbing, spelunking and cross country skiing. Basic units may include group development, trust building, initiatives and problem-solving, sport climbing and ropes' course, map and compass skills, outdoor winter activities, and canoe/kayak skills.

Outdoor Recreation
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Sports and Fitness

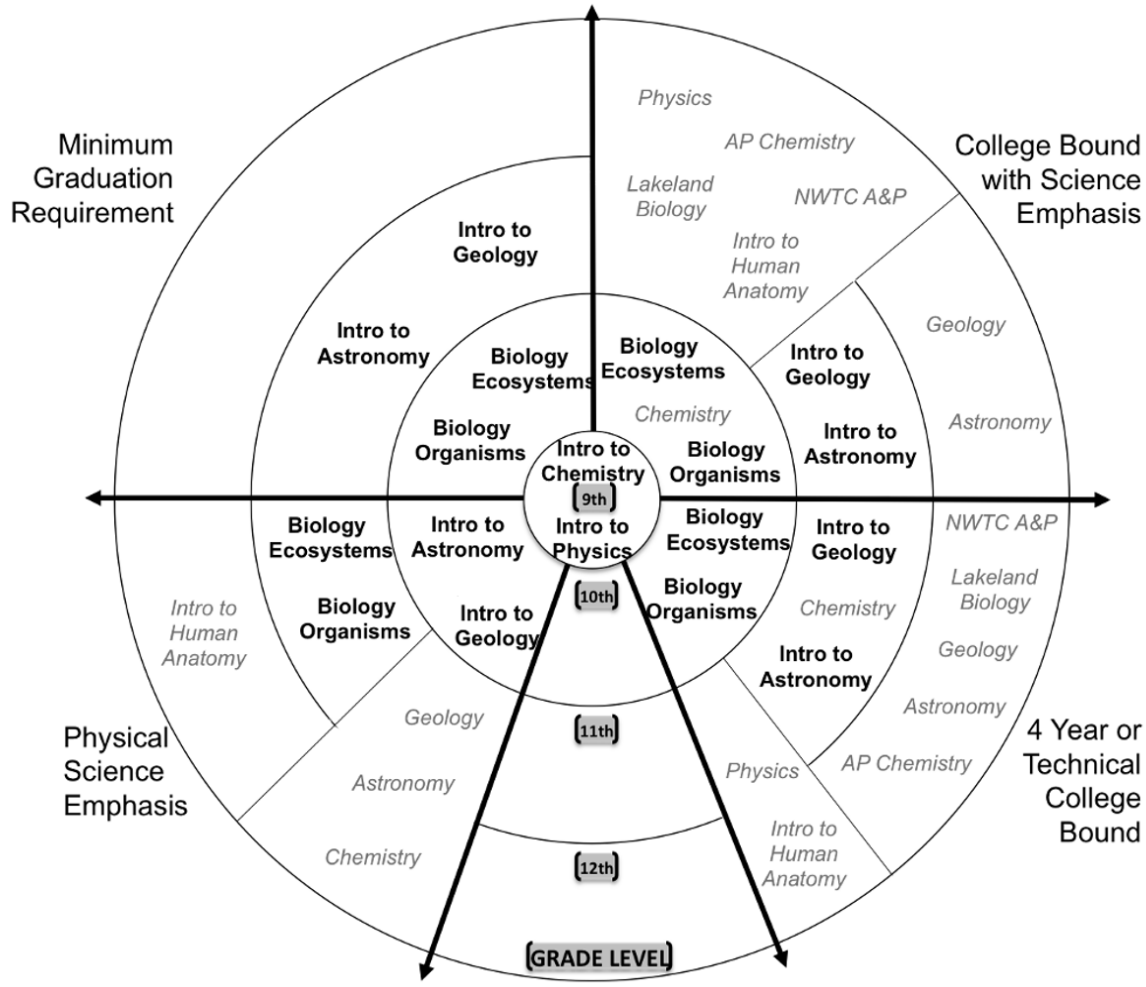
During this class, you will be trained in Hunter and Archery Education and certified within this class. There will be many units that will cover all sorts of outdoor activities as the weather permits. We are set up to do all activities within the school if the weather does not permit. It is a class that will cover the basics and even more specific areas of each unit. A certified DNR instructor will cover the Hunter Ed and Archery Ed part of the class. **A $10 fee will be charged for the class. Units include: Biking/Hiking, Canoe/Kayak, Fishing, Hunter Education Class, Archery Education Class, Survival, Camping, & more. Others units may arise due to weather restrictions.**

Recreational Sports
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: Sports and Fitness

In this course students will be involved in some of the previously introduced units but at a higher skill level. They will also learn new activities as well as continuing their development of good physical and mental health. The semester is divided into a series of mini-units. Possible units offered include: golf, softball, archery, volleyball, basketball, touch football, badminton, soccer, games in the pool, and more.

Science

Possible Science Course Sequences:



Note: Courses listed in **bold are required for graduation. Electives are listed in *italics*.

Please read the course descriptions for course length (semester/full year) and prerequisites.

Additional course pathways are possible as long as course prerequisites are met.

*****If a student plans to take AP Chemistry, Lakeland Biology, or NWTC A&P or Physics, they may choose to take Chemistry rather than Intro to Astronomy and Intro to Geology. The student must commit to taking one of the science college level courses if they take Chemistry***

Introduction to Chemistry
Grade: 9, 10, 11, 12
Credit: .5 (Semester)
***Required for graduation*

The students will learn basic principles in the sciences of Chemistry, and will include the following: experimental design, metric units of measure, use of laboratory equipment, atomic structure, properties and changes of matter, formulas, chemical equations, acids & bases, and gases. Problem solving using scientific formulas, experiments, outside readings and assignments are also parts of this course.

Introduction to Physics
Grade: 9, 10, 11, 12
Credit: .5 (Semester)
***Required for graduation*

The students will learn basic principles in the sciences of Physics, and will include: experimental design, metric units of measure, motion and its causes, Newton's Laws of Motion, uniform acceleration, forces in matter, pressure and density. Problem solving using scientific formulas, experiments, outside readings and assignments are also parts of this course.

Biology – Ecosystems
Grade: 9, 10, 11, 12
Credit: .5 (Semester)
***Required for graduation*

How and why do organisms interact with their environment? What are the effects of these interactions? How are humans impacting ecosystems? How can we construct solutions to the many challenges facing long-term human sustainability on Earth? Students will use mathematical reasoning to demonstrate understanding of concepts of carrying capacity, factors affecting biodiversity and populations, and the cycling of matter and flow of energy among organisms in an ecosystem. These mathematical models provide support of students' understanding of systems and their ability to develop solutions for reducing the impact of human activities on the environment and maintaining biodiversity.

Biology – Organisms
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite- Intro to Chemistry
***Required for graduation*

How do organisms live and grow? How are characteristics of one generation passed to the next? What evidence shows that different species are related? Students investigate and gather evidence to support explanations of cell function and reproduction. They will use models to explain photosynthesis, respiration, and the cycling of matter and flow of energy in living organisms. Students will ask questions, make and defend a claim, and use concepts of probability to explain the genetic variation in a population. They will explain genetic inheritance and describe the environmental and genetic causes of gene mutation and the alteration of gene expression. Students will use evidence to construct and support explanations for the processes of natural selection and evolution. They will evaluate evidence of the conditions that may result in new species and understand the role of genetic variation in natural selection. Additionally, students will apply concepts of

probability to explain trends in populations as those trends relate to advantageous heritable traits in a specific environment.

Introduction to Geology
Grade: 10, 11, 12
Credit: .5 (Semester)
***Required for graduation unless student takes chemistry and an upper-level science course*

How and why is Earth constantly changing? This course is broken down into Earth materials and systems, plate tectonics and large-scale deformation. Students develop models and explanations for the ways that feedback between different Earth systems control the appearance of Earth's surface. Central to this is the tension between internal systems, which are largely responsible for creating land at Earth's surface, and the sun-driven surface systems that tear down the land through weathering and erosion.

Introduction to Astronomy
Grade: 10, 11, 12
Credit: .5 (Semester)
***Required for graduation unless student takes chemistry and an upper-level science course*

What is the universe, and what is Earth's place in it? The following topics will be addressed in this introductory astronomy course: the sun, moon, and earth system, history of astronomy, light, spectroscopy, cosmology, the moon.

Chemistry
Grade: 10, 11, 12
Credit: 1.0 (Year)
Prerequisite: C or better in *Introduction to Chemistry* and *Math I*

Chemistry is an introductory course preparing the student for further studies in chemistry in college. It is directed toward explaining the composition of matter. Emphasis is placed on chemical principles and their application, problem solving, and the development of laboratory skills.

Topics and concepts include: fundamental principles of chemistry, including modern Atomic theory, states of matter, chemical stoichiometry, and acid and base chemistry.

AP Chemistry
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: C or better in *Chemistry* and *Math II*

The emphasis of this course is on chemical kinetics and equilibria, acids and bases, oxidation-reduction reactions, thermodynamics, electrochemistry and an introduction into organic chemistry. Math skills are highly stressed. Due to the amount of lab work, a lab fee is required for this course.

Physics
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Successful completion of Introduction to Physics and Math III. You need to have a good math background to do well.

This course examines the natural laws that govern our universe and a wide variety of topics will be covered, including mechanics, optics, and electricity. The course combines mathematical problem solving with some laboratory activities. It serves as a good college preparatory experience.

Astronomy
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: C or better in *Introduction to Astronomy*

This course is a continuation of *Introduction to Astronomy*. The following areas will be covered: The Moon, Solar System Debris, Space Weather, and The Planets.

Geology
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: C or better in *Introduction to Geology*

This course is a continuation of *Introduction to Geology* and includes an in-depth study of the earth's materials and processes. General geologic concepts are studied: geologic time, crustal deformation, seismology, fossils, evolution, extinction, and structural geology. A major field trip is included as part of this course. No advanced math is necessary.

Introduction to Human Anatomy and Physiology
Grade: 10, 11, 12
Credit: .5 (Semester)
Prerequisite: *Biology Organisms*

This is an introductory course in human biology. Students will review the basic chemistry of cells and tissues, and then investigate the major body systems (i.e. skin, skeletal, muscle, cardiovascular, respiratory, digestive, nervous systems). Major emphasis will be on relating structure to function of organs, organ systems, and the organism as a whole. Students should be prepared for a challenging semester including laboratory dissections and group work. Students should consider this course if they may need additional knowledge of the human body in their futures or are interested in pursuing a career in a health field.

NWTC Anatomy & Physiology
Grade: 11, 12
Credit: 1.0 (Year) (4 college credits from NWTC – General Anatomy & Physiology – 10-806-177 if students earn the grade requirement)
Prerequisite: C or better in *Biology Ecosystems, Biology Organisms,* and *Chemistry*

This course examines basic concepts of human anatomy and physiology as they relate to health sciences. Using body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of

organization of the entire human body. It is intended to prepare health care professionals with a background knowledge they will need as they enter the professional field, and will provide the foundation, and is the prerequisite to, Advanced Anatomy and Physiology at the college level. Students are required to complete lab exercises as a class outside of the regular school hours at NWTC (Green Bay). Students must obtain a C in this course to earn 4 credits from NWTC. Students will be required to purchase a lab manual & pay a lab fee. Students will also be strongly encouraged to buy their own textbook. Students do not pay for the college credits.

Lakeland Biology
Grade: 11, 12
Credit: 1.0 (Year) Students can earn 4 credits college credits through Lakeland University – Life Science I – Bio 111)
Prerequisite: C or better in *Biology Ecosystems & Organisms* and *Chemistry*

Lakeland Biology is a dual credit course (Lakeland University CAPP Program – BIO 111). Topics covered include biochemistry, cell structure & function, photosynthesis, respiration, heredity, molecular genetics, and evolution. Laboratory work is an integral component in this class. Students will be required to pay a lab fee and strongly encouraged to purchase their own textbook. To earn credit through Lakeland University, students must enroll and pay a credit fee through Lakeland. Students not taking the class for college credit will earn the high school credit listed as *Advanced Biology* on their high school transcript.

Advanced Biology—same course work as Lakeland Biology without paying for or receiving the college credit.

Social Studies

U.S. History
Grade: 9
Credit: 1.0

Comprehension of the foundations of American history provides us with an understanding as to why we react internally and globally the way we do. Firmly established patterns throughout our years of development provide citizens with a guide to explain our current decisions. For one to participate in a meaningful way, we must be able to identify these patterns, make value judgments as to how best to work with these patterns, and how to use American history to develop pride and a willingness to protect our heritage.

This class is designed to instill in the students a basic knowledge about American heritage that ranges from ancestral patterns, conflicts caused by cultural differences, and expansion through conquest and assimilation. They will view America from Imperialism to present.

Contemporary World Studies
Grade: 10, 11
Credit: .5 (Semester)

Contemporary World Studies analyzes the current, political, economic, geographical, and culture of the world. Areas of emphasis will include: Europe, Africa, North/South America, Asia, Middle East and Australia/Oceania. This course will focus primarily on the culture and geographical landscape of a particular region and take an interdisciplinary approach to the contemporary issues affecting the region. Map skills, and current events

will be emphasized to fully understand how geographical/political relationships impact our world.

Civics
Grade: 10
Credit: .5 (Semester)

This course in political science deals with the process of decision making at the federal, state, and local levels of government during the first quarter. The second quarter focuses on the Constitution and Bill of Rights.

AP European History A/B
Grade: 10 (With Permission), 11, 12
Credit: 1.0
Prerequisites: Students must satisfy at least two of the three criterion – a grade of a B or better in both semesters of US History, score of 1200 on the reading portion of the STAR test or teacher recommendation. Students must be able to read college level material.

The AP European History course focuses on developing students' understanding of European history from approximately A.D.1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

The four historical periods:
Period 1: c. 1450 to c. 1648
Period 2: c. 1648 to c. 1815
Period 3: c. 1815 to c. 1914
Period 4: c. 1914 to the present

Minority Studies
Grade: 10, 11
Credit: .5 (Semester)

This class deals with issues of discrimination, integration, gender equity, as well as other topics that affect U.S. Minority groups. Students will be responsible for keeping a journal of articles dealing with minority issues throughout the semester, as well as for researching a minority group or culture in this country, other than their own. Students will be expected to participate in class discussions several times a week that deal with cultural issues. A class or individual project to promote cultural awareness in the school and/or community will be required as a semester final grade.

Microeconomics
Grade: 11, 12
Credit: .5 (Semester)

America is by far the richest, most productive nation on earth. The analysis of the market process is the essence of this course. The units consist of the motives of human action, market systems, demand, supply, and prices in various markets and economic systems.

Macroeconomics
Grade: 11, 12
Credit: .5 (Semester)

This is the continuation of the Microeconomics course. The units are GDP, national debt and budgeting, international trade and the impact of globalization, as well as monetary and fiscal policies of government.

World History
Grade: 11, 12
Credit: 1.0

World History is a hands on approach to learning the history of different countries of the world. Hands on, means a course where the student becomes an active learner and shares in the responsibility for their own learning. This can be an exciting venture but also entails work. The student has to be willing to overcome difficulty by becoming a problem solver and thinker. This is done by learning how to research, organize their findings and then present those findings to the class. Computer skills will also be needed. World History will be a two-semester course. The 1st semester will deal with the Ancient World to 500 AD. The 2nd semester will deal with the Middle Ages and Modern History of the World from 500 A.D. to the present. Students can take one semester or both semesters.

Law
Grade: 12
Credit: .5 (Semester)

Do you know what your rights really are? This course will give you a detailed look at the rights of citizens in relation to Wisconsin law. This class focuses on crimes against the person, police search and seizure, the rights of the accused, the trends in our current prison system and the trial process. We will hopefully attend a real jury trial. Several civil topics are also covered, so if you're interested in a career in law, or just want to know more about your rights in a variety of civil and criminal situations, this course is for you.

Psychology/Sociology
Grade: 12
Credit: .5 (Semester)

Have you ever wondered why people behave the way they do? Why is your brother so much different than you? In this course the student will be introduced to both introductory sociology ad psychology themes which will help answer these questions. Topics covered include: socialization and behavior, personality development, stages of consciousness/drug use, abnormal behavior, and learning and memory. This course will help give you a better understanding of human behavior.

UWGB First Nations Social Justice
Grade: 11, 12
Credit: .5 (Semester) Prerequisite:
Student has successfully completed Civics.
First Nations Social Justice is a dual credit course (UWGB FNS 226). As a result, students have the option to earn 3 college credits through UWGB.

This is an introductory course in First Nations Studies. The course is designed so that students will learn about First Nations through an exploration of the Four Pillars of Learning in First Nations Studies: History, Sovereignty, Law & Policies, and Indigenous Philosophy.

The course explores the general distinctions between First Nations in (what is now) the United States. We will briefly examine the traditional cultures and lifeways of the First Nations as they existed prior to mass European invasion and influence. Moreover, we will examine the multiple factors that brought about the destruction and loss of these traditional ways over time. We will closely examine the ways in which EuroAmerican political, economic, legal, and social power facilitated the near genocide of First Nations. The course will conclude with an exploration of the persistence of American Indian people in the U.S. today. Throughout the course we will discuss and dispel popular stereotypes regarding First Nations people and explore how these stereotypes are harmful to Indian people. Whenever possible, we will focus our exploration of American Indians by drawing upon the Wisconsin Nations for specific examples and illustrations.

This course has a specific regional focus on the Menominee Nation, Ho-Chunk Nation, Oneida Nation, and Stockbridge-Munsee Band of Mohicans.

Technical Education
Graphic Communications Courses

Basic Drafting and Design
Grade: 9,10,11,12
Credit: .5 (Semester)

This course is designed to help students develop concepts and skills needed to communicate product ideas in engineering industries. Basic drafting fundamentals will be taught through using hand drawing techniques and equipment to create multi-view sketches and drawings. Future engineers, machinists, architects, landscapers, interior designers, etc. are encouraged to learn these concepts.

Advanced Drafting and Design
Grade: 10,11,12
Credit: .5 (Semester)
Prerequisite: Basic Drafting and Design

This course is recommended for students that wish to pursue advanced drafting study. Activities include computer aided design of individualized projects that are planned by the student and instructor. You will learn about the individualized fields of drafting and how they are used in the field and careers. Youth apprenticeship possibility.

Communication Systems
Grade: 9,10,11,12
Credit: .5 (Semester)

This course provides an opportunity to learn about the computer graphics and printing industry. Emphasis is placed upon computer graphic design, offset printing, single color silkscreen printing, laser printing, and internet usage. Adobe Photoshop will be used to manipulate photographs. Adobe Illustrator will be used to create the designs for the offset press, silkscreen publications and laser printing.

Graphic Arts 1
Grade: 10,11,12
Credit: 1.0 (Year)

This course provides an opportunity to learn about the computer graphics and design along with the printing industry. Emphasis is placed upon computer graphic design, multicolor silkscreen printing, digital camera photography, laser printing, and internet usage. Activities incorporate Adobe Photoshop, Illustrator and InDesign to produce photos, memo pads, infographic posters, and multicolor screen-printed shirts.

Graphic Arts 2
Grade: 11,12
Credit: 1.0 (Year)
Prerequisite: Graphic Arts 1 or instructor approval if in grade 10

This course is recommended for students that wish to pursue advanced graphic arts study. Activities include computer designing of individualized projects that are planned by the student and instructor. Projects may be for school staff or buildings and possibly community members or businesses. The student will learn about the individualized fields of Graphic Design and how they are used in the field and careers of graphic arts.

Graphic Arts 3
Grade: 12
Credit: 1.0 (Year)
Prerequisite: Graphic Arts 2 or instructor approval if in grade 11

This course is recommended for students that wish to pursue more within graphic arts. Projects may be for school staff or buildings and possibly community members or businesses. Youth apprenticeship/internship possibility.

Engineering Technology
Grade: 10,11,12
Credit: .5 (Semester)

This course is designed to teach students skills in a variety of topics. Topics include career exploration, design process, fabrication, computer-aided design (CAD), 3-D Printing, and quality measurement. Skills in advanced problem solving and critical thinking in a variety of engineering fields, including civil, mechanical, industrial, and more. The various skills will then be used by student selected small groups to design and/or operate a machine that will perform a specific task. The skills and tasks performed will help prepare you for the challenges in life and technical careers.

Web Page Design
Grade: 10,11,12
Credit: .5 (semester)

This course provides you with an opportunity to design web page code in a mini blog about yourself. Students will learn about Adobe Dreamweaver, Photoshop, and Illustrator software. Photo manipulation in Adobe Photoshop. Coding in Adobe Dreamweaver.

SCHS Building Trades Courses

Production Systems
Grade: 9,10,11,12
Credit: .5 (Semester)

This course is a woodworking related course. It is designed to give students a basic understanding of how a product is manufactured. The class will select a product to manufacture that is satisfactory with everyone. Students will work in small groups to manufacture parts for everyone in their group, and then individually take ownership of a set of parts to construct and finish the product. Equipment use includes table saw, band saw, wood lathe, planner, joiner, computer numerical control router; Students are exposed to the production enterprise, research and development, production tooling, production planning and control, quality control and manufacturing. Students are responsible for the cost of the project.

Carpentry Techniques (and Home Maintenance)
Grade: 10,11,12
Credit: .5 (Semester)

Home ownership requires a vast knowledge and understanding of the building industry. When owning a home, you can always be faced with simple repairs with siding or roofing. We may want to build a deck. Interior surface repairs, plumbing and electrical problems can happen without warning. We do not have to be experts in all trades, but as a homeowner we should know how to tackle small repairs and maintain our home. We also need to have some basic knowledge about how a home is built so that when we must hire a tradesperson, we are familiar with building terms and sequence of construction. When appropriate professionals from the construction trades will explain their role in the construction industry. Projects will include sink and toilet installations, basic electrical wiring, window and door installation, weatherization techniques (blower door test with thermal imaging), framing methods, exterior siding and roofing finishes, Interior finishes and techniques. Students will research existing homes for sale and discuss budgets renovation costs.

Residential Building and Construction I
Grade: 11,12
Credit: 1.0 (Meets 2 class periods during 1 semester)
Prerequisite: C or better in Carpentry Techniques, Production Systems, or Wood Products Manufacturing I

Students taking this course can receive 2 college credits from NWTC. The names of the courses are Introduction to Carpentry - 10-410-110 for 1 credit and Building Codes - Carpentry - 10-410-108 for 1 credit. Students are also able to receive the following industry recognized credential: ABC of Wisconsin Apprenticeship - Non-Union - NCCER Core Curriculum: Introductory Craft Skills. This course will meet on the jobsite for full class periods for the entire year. All students must have an approved means of

transportation to get to the job site. The instructor will not drive students to the job site. Students will be required to purchase personal hand tools such as a tool belt, hammer, tape measure, speed square, pencil, and utility knife. A payment schedule can be set up for those who cannot afford the required hand tools. In addition to class time, students are required to spend a minimum of 16 hours after school working at the job site.

Residential Building and Construction II
Grade: 12
Credit: 1.0 (Year) or 1.0 (Meets 2 class periods during 1 semester)
Prerequisite: Residential Building and Construction I

Students are also able to receive the following industry recognized credential: United Brotherhood of Carpenters - Union - Career Connections: Residential Construction Project Book 3. This is a class for students who have completed Residential Building Construction with at least a “C”, or for students currently working for a building trades contractor, or if a student will be pursuing post-secondary education in a building trades program. This course will meet on the jobsite for full class periods for the entire year. All students must have an approved means of transportation to get to the job site. The instructor will not drive students to the job site. Students will be required to own personal hand tools such as a tool belt, hammer, tape measure, speed square, pencil, and utility knife. A payment schedule can be set up for those who cannot afford the required hand tools. In addition to class time, students are required to spend a minimum of 16 hours after school working at the job site.

Wood Products Manufacturing 1

Grade: 10,11,12
Credit: 1.0 (Year)
Students taking this course can receive 2 college credits from FVTC. The name of the course is Layout and Sawing Operations - 31-409-317.

Students taking this course can receive 2 college credits from FVTC. The name of the course is Layout and Sawing Operations - 31-409-317. This course is recommended for students interested in learning woodworking or the Cabinet Building Trade. You will learn how to use a variety of woodworking machines and tools. As a class, students will choose a project. When approved the parts will be run through a production process and each student will assemble their own project. This course is designed for those entering the field of building construction as well as for those entering the workforce right out of high school. It is also a great way to gain experiences for home ownership or for hobby work. Wood joints, construction and use of jigs and fixtures as well as career choices will be explored. Project planning, prototyping, and quality control will also be addressed. Projects such as the chest type gun cabinet, dressers, kitchen workstation and entertainment centers are a few of the items constructed in the past. **Students are responsible for the cost of the project.**

Wood Products Manufacturing 2

Grade: 11,12
Credit: 1.0 (Year)
Prerequisite: Wood Products Manufacturing I

Students are also able to receive the following industry recognized credential: Woodwork Career Alliance - Saw Blade Credential This independent study course will allow students to pursue an area of interest in the manufacture of wood products. Advanced woodworking processes and skills will be emphasized. The application of prior skills in

the development of wood products will be included. The students and the instructor will plan the program. The student, with approval from the instructor, will be able to construct a project of their choice. Students will be responsible for the cost of project materials.

Welding and Metals Manufacturing Courses

Metals and Manufacturing 1 (formerly Material and Processes)
Grade: 9,10,11,12
Credit: .5 (Semester)

This course introduces students to a wide range of welding and metals manufacturing processes. Throughout the semester the students will have a chance to learn the basics of the SMAW (Stick Welding) and GMAW (Wire feed Welding) processes. The students will also learn about the following manufacturing processes: Introduction into CNC milling and Lathe operations, CNC plasma cutting operations, Introductions in manual metal shop equipment (Metal Lathe, Manual Milling, Drill Press Operations and Metal Cutting), Sheet metal work, and metal casting process.

Metals and Manufacturing 2 (formerly CNC Manufacturing)
Grade: 10,11,12
Credit: .5 Credit (Semester)
Prerequisite: Metals and Manufacturing 1

Throughout this course, students will learn about the welding and metal manufacturing processes at an intermediate level. Students will use the SGAW (Stick welding) and GMAW (Wire feed welding) processes to complete the welding joints used in the welding industry and introductions to the TIG (Tungsten Inert Gas) welding process. The course will also focus on CNC programming, Intermediate CNC operation, Manual Machining a variety of metal shop projects, and intermediate level CNC plasma cutting projects.

Advanced Machine Tool
Grade: 11,12
Credit: 1.0 (Year)
Prerequisite: Metals and Manufacturing 2
Students taking this course can receive 2 college credits from NWTC. The name of the course is Introduction to CNC Milling and G-Code - 31-420-336

Throughout this course, students will learn to read machining blue prints in order to create metal machining projects that teach the advanced processes of drilling, turning, grinding and milling. The CNC portion of the class will focus on individualized operations of the (CNC) plasma cutter, (CNC) Lathe, and (CNC) Mill. The students will also learn the complete design process, which includes the use of CNC G Code Controls, SolidWorks, and MasterCam computer software. Once the design process is complete, the student will learn how to edit CNC programs and set up the machining fixtures and tooling for the proper operations of each machine.

Welding
Grade: 11,12
Credit: .5 (Semester)
Students taking this course can receive 1 college credit from NWTC. The name of the course is Shielded Metal Arc Welding - 31-442-342

Welding is an intermediate welding course that will teach students to read welding blueprints to properly layout welding joints that are used throughout the industry. The

course will work to improve students skills in the SGAW (Stick welding), GMAW (Wire feed welding), and TIG welding processes. Students will also have the opportunity to learn useful cutting techniques with the oxyfuel and plasma arc cutting processes.

Advanced Welding
Grade: 11,12
Credit: .5 (Semester)
Prerequisite: Welding
Students taking this course can receive 1 college credit from NWTC. The name of the course is Gas Metal Arc Welding - 31-442-348

Advanced Welding will teach advanced GMAW and TIG welding processes. Throughout this course, students will have the opportunity to TIG and GMAW weld aluminum, stainless steel, and mild steel. The students will continue to read blueprints to create welding joints and projects that reflect the processes used in welding careers.

Residential Electricity and Electronics
Grade: 10,11,12
Credit: .5 (Semester)

This course is for the student that wants to learn about digital electronics and residential home wiring. An electronics project of your choice will be constructed to give you additional practical experience. In electronics, you will be instructed on direct and alternating current, types of circuitry, amplifiers, power supplies, and meter use for testing and troubleshooting. Residential home wiring will give hands on experience in wiring various types of circuits found in the home and other out-buildings, such as wiring receptacles, wiring lighting with the use of three-way and four way switches. STUDENTS ARE RESPONSIBLE FOR THE PROJECT COST OF THEIR CHOICE.

Transportation Courses

Small Gas Engines
Grade: 9,10,11,12
Credit: .5 (Semester)

Each student will disassemble service, re-assemble and operate a four-stroke cycle engine furnished by the school. Basic small engine theory, electrical systems, lubrication systems, fuel systems, and troubleshooting will be covered. Additional activities for rebuilding will include cleaning, inspecting, honing the cylinder, replacing seals, replacing rings and gaskets, rebuilding the carburetor and adjusting for efficient engine operation. Students will be responsible for the cost of any parts/materials used during this course.

Automotive I
Grade: 10, 11, 12
Credit: .5 (Semester)

Auto I is a great life skills course. All students will own and drive an automobile and need to know how to take care of it. In auto I we cover a lot of basic maintenance and small repairs that can be done at home. More importantly we cover the proper service intervals that an auto owner should follow to maintain their car. We also discuss proper shop etiquette and how to select a good repair shop. Upon completion of auto I students will have a better understanding of the cars operating systems, how to complete some basic maintenance and repairs and how to tell if a shop is doing quality work. Students that take this class should be able to save a lot of money by completing proper maintenance

on their autos. Units of study include: oil change, coolant checks, tire care, brake checks, tune ups, and computer diagnosis. Students can provide their own repair parts or purchase automotive parts at a discount as a benefit of this class.

Automotive II Service and Repair (Chassis)
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: a B or better in Auto I

Units of study include: oil systems, cooling systems, tires, steering and suspension, alignments, brakes, and driveline. This class can be taken for 4 FVTC college credits if taken as a junior and a senior. The classes will be offered in alternating semesters. Students that with a B or better will earn 4 college credits at NWTC for MLR1 (Maintenance and Light Repair). #10-602-100. At the completion of this course students can also earn industry recognized certifications from Automotive Service Excellence (ASE). There are eight different student ASE exams that students can take.

Auto II Electrical
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: a B or better in Auto I

Units of study include; basic electrical, on-board-diagnostics, ignition systems, and fuel systems. In this class, students who wish to prepare for the career opportunities in the area of automotive service will gain experience in the operation of the latest equipment for automobile diagnosis and service. The class will concentrate on basic maintenance and repair to prepare students to enter a technical college program after graduation. At the completion of this course students can also earn industry recognized certifications from Automotive Service Excellence (ASE). There are eight different student ASE exams that students can take.

Outdoor Powersports Internship
Grade: 12
Credit: .5 (semester)
Prerequisite: a B or better in Auto II Service and Repair and Auto II Electrical

Outdoor Powersports is a capstone class for students that have completed Auto II Service and Repair and Electrical with a B or better and are interested in a career in the powersports or automotive field. This class will look at career options in the Outdoor Powersports industry. The class will complete a PDI (pre delivery inspections) on new UTV, ATV, Snowmobiles, motorcycles, and Watercraft. The class will also complete basic services on UTV and ATVs. The class will also cover winterizations of boats and watercraft. Students enrolled in this class will also have the opportunity to compete in Skills USA contests including Motorcycle Repair, Marine Technology, and Power Equipment.

World Language

World Language

French I
Grade: 9,10,11,12
Credit: 1.0 (Year)

Students will develop basic skills for communicating in French: listening, reading, writing and speaking skills will be emphasized. The focus will be on vocabulary acquisition and practice of French expressions. Students may use songs, pictures, videos, games, role playing, and memorizing expressions to develop that focus. During the course, students will learn and demonstrate speaking survival skills in simulated social situations. Learning about the culture of French speaking countries will be introduced and integrated as a part of learning the French language.

French II
Grade: 10, 11, 12
Credit: 1.0 (Year)
Prerequisite: French I

In French 2 grammar patterns are studied in greater depth. Emphasis is placed on acquiring a range of vocabulary useful in everyday communication including: using the telephone, speaking of normal daily routines, making polite requests, giving commands, getting around the city, going shopping, and discussing what happened in the past, what is happening now and what will happen in the near future. Students are expected to speak and read more French on a daily basis. They participate in daily exercises to increase their oral and written skills in the language and are assigned projects which are presented or recorded for later review. Culture is integrated in all facets of the curriculum to bring the language to life and heighten the students' awareness of issues facing French and Francophone populations.

French III
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: French I, II

Emphasis is placed on broadening the student’s listening, reading, writing, and speaking skills. Students are expected to use the French language every day in class. The student is introduced to more tenses in the French language. The student is required to give speeches using these various tenses. Culture is discussed through the readings of authentic materials in the target language (newspapers, music, short stories, film, and poetry).

French IV
Grade: 12
Credit: 1.0 (Year)
Prerequisite: French I, II, & III

The emphasis of French 4 is quality practice and fine tuning of the student’s listening, speaking, reading and writing skills through a wide variety of curricular resources and activities.The course will enable students to understand and speak conversational French. Students are expected to speak French almost exclusively in class every day and to discuss and give oral presentations regularly. Written work is emphasized through a variety of literary projects requiring creativity, analysis, problem-solving, and

expressing opinions. Students practice and enhance their listening skills through role play, communication exercises, guest speakers, and French music and film. Students study additional topics in advanced grammar, as well as French literature and history.

Spanish I
Grade: 9,10,11,12
Credit: 1.0 (Year)

This is an introductory course which stresses oral, written, listening and reading proficiencies in Spanish. The course begins with simple phrases and grammar points needed to survive in a Spanish-speaking country. The students will study the present tense of verbs. Students will become familiar with the language, culture and customs of native speakers in several Spanish-speaking countries.

Spanish II

Grade: 10, 11, 12
Credit: 1.0 (Year)
Prerequisite: Spanish I

This is an intermediate course, which builds and elaborates on the principles learned in Spanish I. Students will continue to study the present tense, and while doing so, their vocabulary of verbs and nouns will expand. Preterit tenses are introduced. The cultures of various Spanish-speaking countries will continue to be studied. This course emphasizes the importance of reading, writing, speaking and listening in Spanish.

Spanish III
Grade: 11, 12
Credit: 1.0 (Year)
Prerequisite: Spanish I & II (Students must earn a C average in Spanish II.)

Spanish III is a course designed to build on the concepts studied in Spanish I and Spanish II. Students will begin the year by reviewing the Present and Preterit tenses. As the year progresses, advanced concepts will be taught such as; the Imperfect, Future, Subjunctive and Conditional Tenses. Students will also continue to study the cultures of various Spanish-speaking countries. Spanish III students will be exposed to literature written in Spanish, and more emphasis will be placed on reading and writing, in conjunction with oral proficiency.

Spanish IV
Grade: 12
Credit: 1.0 (Year)
Prerequisite: Spanish I, II, & III (Students must earn a C average in Spanish III.)

Spanish IV is an advanced course which further develops a student's ability to communicate in the target language. This class provides the students with an advanced and thorough review of previously learned grammar concepts from Spanish I, II, and III. Spanish IV also stresses an importance on truly expanding the students' vocabulary knowledge. Advanced reading, writing and speaking within a cultural framework will be emphasized in this course.