2022-2023

Bay Port Pirates

Academic Planning
&
Course Description Guide

Bay Port High School
2710 Lineville Road
Green Bay, WI 54313
(920) 662-7000

Dear Students:

The mission of the Howard-Suamico School District is to work together with families and community to ensure that our students have the knowledge and skills to succeed in a changing world. Bay Port High School offers a well rounded educational experience for every person who attends in order to achieve our mission.

As you look through this course description guide keep your future as your focus. Choose classes that interest and challenge you while keeping your career aspirations in mind. Your current plans after graduation may be to attend technical college, two-year college, four-year university, enroll in the military, or enter the work force. All of these are excellent options and it is our goal to guide and prepare you for the path you choose. Whatever your plans, make choices that assist you in meeting your goals. Take advantage of the academic opportunities that Bay Port offers in an effort to prepare you for your plans following graduation.

When looking through this guide keep in mind that when we schedule you for classes we attempt to make sure everyone can take everything they request. That means that your first choices are critical. It is very difficult to accommodate your requests when you change your mind after making your first selections.

Take some time to look through the entire guide with your parents. If you have questions about classes make sure to ask your school counselor, a teacher, or an administrator. It is our job, along with your parents, to assist you in this planning process for high school and your future.

Thanks,

Mike Frieder

Mike Frieder
Principal

HOWARD-SUAMICO SCHOOL DISTRICT VISION

Our vision is: an authentic, innovative, connected, and inspired experience for an ever-changing future**.**

HOWARD-SUAMICO SCHOOL DISTRICT MISSION STATEMENT

We will work with families and community to ensure that our students have the knowledge and skills to succeed in a changing world.

PUBLIC NOTICE OF NONDISCRIMINATION POLICY

It is the policy of the Howard-Suamico School District that no person may be denied admission to any public school in this district, be denied participation in, or be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational, or other program or activity because of the person's sex, race, color, national origin, ancestry, creed, religion, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap as required by Sec. 118.13, Wis. Stat. This policy also prohibits discrimination as defined by Title IX of the Educational Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race and national origin), and Section 504 of the Rehabilitation Act of 1973 (handicap).

The District encourages informal resolution of complaints under this policy. A formal complaint resolution procedure is available. To address allegations of violations of the policy in the Howard-Suamico School District or asking any questions concerning Sec. 118.13 Wis. Stat., or Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of sex, should be directed to:

Jennifer Garceau
Title IX Coordinator
Howard-Suamico School District
2700 Lineville Road
Green Bay WI 54313
(920) 662-7878

Inquiries related to Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap, should be directed to:

Jennifer Garceau
Section 504 Coordinator
Howard-Suamico School District
2700 Lineville Road
Green Bay WI 54313
(920) 662-7959

STAFF TO CONTACT WITH QUESTIONS

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Debbie Dorn, Student Services Secretary	662-7325	debbdorn@hssdschools.org

Bay Port High School Graduation Requirements

	Credits
English Language Arts	**4**
Social Studies	**3**
Science	**3**
Math	**3**
Physical Education	**1.5**
Health	**.5**
Electives	**9**
TOTAL	**24**

Four Year Plan

Student Name:_____ **Career Plan:**_____

Students are strongly recommended to schedule at least one study hall each semester.
By taking at least 7.0 credits, you will allow yourself to have one study hall each semester.

Freshman (7.0 credits total)

English Language Arts	**1**
Social Studies	**1**
Science	**1**
Math	**1**
Health	**.5**
Physical Education	**.5**
Electives	**2**

Junior (6.5 credits total)

English Language Arts	**1**
Social Studies	**1**
Science	**1**
Math	**1**
Physical Education	**.5**
Electives	**2**

Sophomore (6.5 credits total)

English Language Arts	**1**
Social Studies	**1**
Science	**1**
Math	**1**
Physical Education	**.5**
Electives	**2**

Senior (6.0 credits total)

(Recommend more Math courses)
(Recommend more Science courses)
(Recommend more Social Studies courses)

English Language Arts	**1**
Electives	**5**

CURRICULUM REQUIREMENTS

Students must register for and attend 7.00 units of credit for Grade 9, 6.50 for Grade 10, *6.50 for Grade 11, and a minimum of *6.00 units of credit for Grade 12.

*Requests for reduction in credit loads due to taking AP classes have caused us to come up with guidelines to lend consistency to honoring these requests.

The following formula will be used:

9th Grade	10th & 11th Grade	12th Grade
7.0 credits normal load	6.50 credits normal load	6.00 credits normal load
6.50 credits with 1 AP	6.00 credits with 1 AP/IB credit	5.50 credits with 1.5 AP/IB credit
5.50 credits with 2 or more AP	5.00 credits with 2 or more AP/IB	5.00 credits with 2 or more AP/IB

(A reduced load is possible, but 24 credits still need to be earned.)

We encourage students to take a rigorous class load in preparation for their post secondary education. It is strongly recommended that students planning on attending a four-year university take at least one Advanced Placement class.

ONLINE HIGH SCHOOL COURSE OFFERINGS

Online courses provided by Bay Port iAcademy are available to students at Bay Port. See your counselor for online opportunities.

GRADE POINT SCALE

Grading Point Scale for Weighted Courses

A = 5.00
A- = 4.67
B+ = 4.33
B = 4.00
B- = 3.67
C+ = 3.33
C = 3.00
C- = 2.67
D+ = 2.33
D = 2.00
D- = 1.67

Grade Point Scale for Regular Courses

A = 4.00
A- = 3.67
B+ = 3.33
B = 3.00
B- = 2.67
C+ = 2.33
C = 2.00
C- = 1.67
D+ = 1.33
D = 1.00
D- = 0.67

START COLLEGE NOW

The "Start College Now" program was established to allow 11th and 12th grade students, who meet certain requirements, to take courses at a Wisconsin technical college.

- Post-secondary admission is contingent on meeting entrance requirements and the availability of space.
- The Howard-Suamico School District will determine whether the course satisfied state graduation requirements and what, if any, high school credits are to be awarded to the pupils.
- Applications for Start College Now are available in the counseling office. Completed applications are due in the counseling office by **October 1** for the spring semester; completed applications are due **March 1** for the fall semester.
- The school district will pay the actual cost of tuition, fees, books (if student wants to keep book they must purchase) and other necessary material directly related to courses taken for high school credit at a technical school.
- Student/parent will be required to reimburse the school district for costs incurred if the student drops or fails a course

EARLY COLLEGE CREDIT PROGRAM

A student in grades 9 – 12 attending a public school or a private school in the state will be permitted to enroll in a UW System institution or a private non-profit institution of higher education, to take one or more nonsectarian courses, including during summer session, for which the student may earn high school credit, post-secondary credit, or both. Under the Early College Credit Program, the cost of courses is shared among the institution of higher education, the school district, the state, and in some cases, the student's family. The total number of credits a student may take is limited to 18. Please see school counselor for more details.

Northeast Wisconsin Technical College

University of Wisconsin Green Bay Connecting learning to life

ARTICULATED COURSES WITH NWTC AND UWGB

Transcribed and Advanced Standing for High School Coursework

High school students may receive technical college credit by successfully completing certain high school courses that are: (a) covered by articulation agreements between their high school and a technical college; (b) part of a recognized Youth Apprenticeship program; or (c) other high school course work, not covered by an articulation agreement, but that a technical college deems comparable in scope and content to a specific technical college course or courses.

In each case, prior to granting technical college credit, the technical college will evaluate this previously completed high school course work to determine the extent to which the course work will apply to current program requirements, general education requirements, a grade of "B" or better, or other graduation requirements of the specific educational program in which the student is enrolling. To identify articulated courses, look for the NWTC icon next to the course description. To identify advanced standing and transcribed courses, look for the NWTC icon next to the course description.

ADVANCED STANDING

Advanced standing courses are taught by high school teachers using high school curriculum determined to be a close match to an NWTC course. A student must earn a "B" or better in an articulated course to receive advanced standing. Advanced standing courses may earn a student the opportunity to skip an introductory level course in their program and advance to the next level. Advanced Standing agreements are transferrable to all schools within the Wisconsin Technical College System.

TRANSCRIBED CREDIT

Transcribed Credit courses are taught by high school teachers with Wisconsin Technical College System certification. NWTC curriculum and assessment methods are used. Student grades are posted to an official NWTC transcript. The grade a student receives in a transcribed course becomes part of the student's official college record. Transcribed credit agreements are transferable to other Wisconsin technical colleges and may transfer to four-year universities.

ADVANCED STANDING COURSES - NWTC
3D Solid Modeling
Intro to Engineering
Cybersecurity and Ethical Hacking

TRANSCRIBED COURSES - NWTC
English Composition
Photography-Digital
Mathematics for the Trades I
Oral / Interpersonal Communication

COLLEGE CREDIT PROGRAMS - UWGB
*3D Solid Modeling
*Principles of Engineering
Concepts, Issues and Field Experience in Education
Advanced Engineering
French V / French IB2
German V / German IB2
IB Spanish

OFFERED AT BELLIN OR NWTC
Nursing Assistant

CREDIT FOR PRIOR LEARNING
AP Computer Science Principles
AP Computer Science A

BELLIN
Human Biology

* College credit will not be offered if virtual learning continues

Youth Apprenticeship / Internship Program

What is Youth Apprenticeship?

Youth Apprenticeship, or YA, is a rigorous one- or two-year elective program for juniors and seniors, that combines academic and technical classroom instruction with mentored, on-the-job training to provide students with industry-established occupational and employability skills. Students receive paid hands-on learning experience in their pathway to enhance the connection between school and the workplace. Participating students can receive up to 2 high school credits their junior year and 2 credits their senior year. Employment is allowed during the summer months. School-Based Coaches assist students in networking and connecting with employers in their selected career cluster area. Bay Port partners with Northeast Wisconsin Youth Apprenticeship (NEWYA) consortium to provide youth apprenticeship opportunities for qualified students.

This program is available for students interested in obtaining work-based learning experience in areas ranging from STEM, Finance/Accounting, Business, Health Sciences, Information Technology, Manufacturing, Architecture & Construction, Agriculture, Law/Government, Education, Marketing, to Transportation & Distribution.

Mission & Completion

Our mission is to prepare students to be productive citizens with a clearly defined career path and to provide the necessary tools to accomplish those goals. Upon successful completion of this program students will be provided with the necessary resources to be college, career, and community ready, whether they are entering the workforce directly after high school, applying for a registered apprenticeship position, enrolling in a technical college, or enrolling in a four-year university. Additionally, they will receive a Certificate of Occupational Proficiency which is supported by many colleges and universities. Contact Jen Johnson at jjohnson@newya.org for further details.

Application Process

1. Stop in to visit your School-Based Coach or complete the NEWYA Interest Form.
2. Once Interest Form is received, School-Based Coach schedules an initial career exploration and/or Youth Apprenticeship discussion (15-20 minutes) to discuss eligibility and create an individualized action plan.

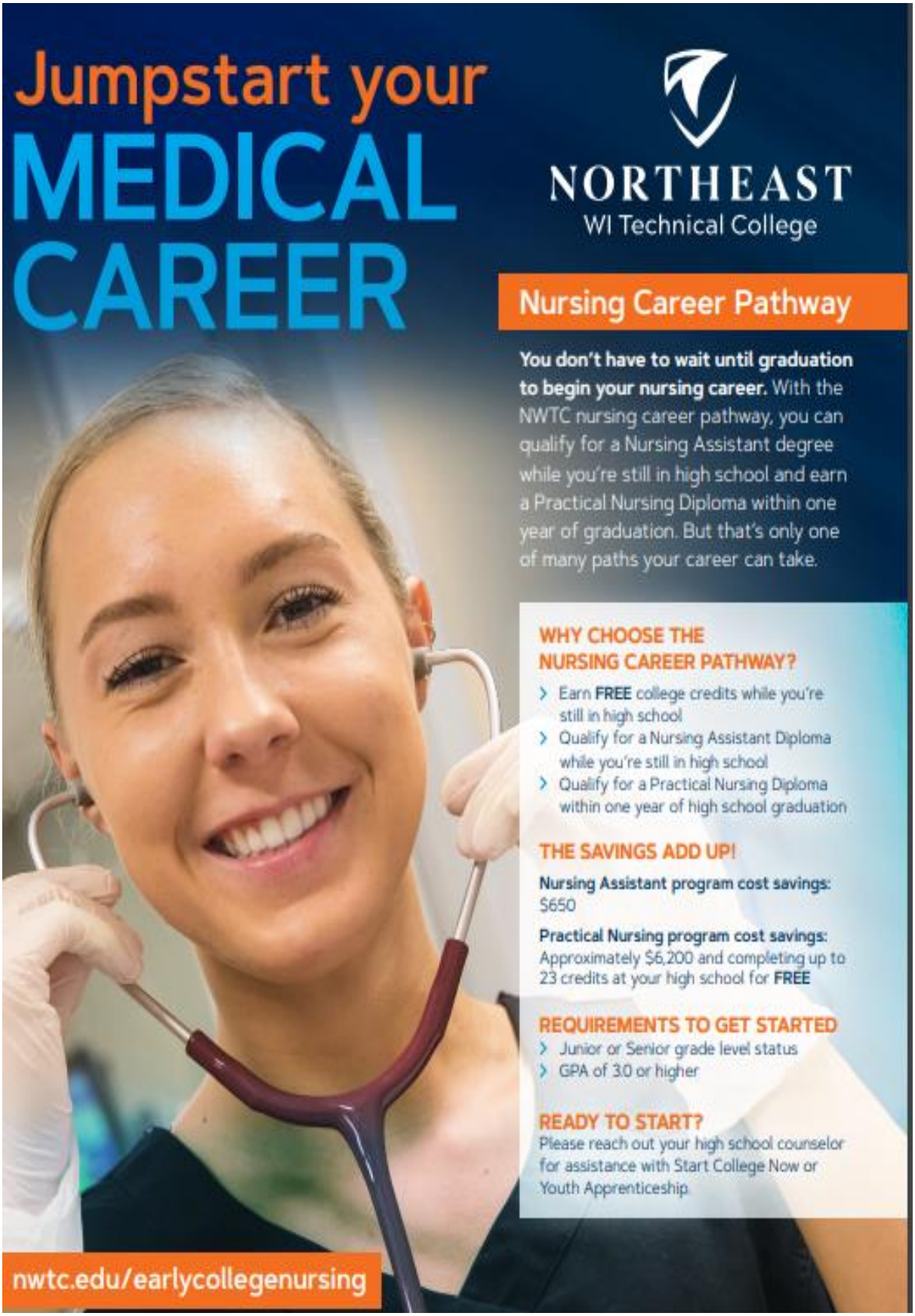
Eligibility Requirements

To be eligible for YA, students must:

1. Be of junior standing (may begin summer after sophomore year completed).
2. Be on track to graduate.
3. Successfully gain employment with local employers and create a mentor/student relationship.
4. Students must work a minimum of 450 hours to be eligible for the entire credit amount. Credit amount will be determined by hours, performance, attendance, and participation and communication with the Youth Apprentice Coordinator.
5. Youth Apprenticeship placement is not guaranteed.

****Please note: Students may start their Youth Apprenticeship Program the summer following their sophomore year. Applications and initial interviews need to be conducted before April 1st for students starting in summer and June 30th for students starting in the fall.**

College, Career, & Community Ready


Jumpstart your
MEDICAL
CAREER
NORTHEAST
WI Technical College
Nursing Career Pathway
You don't have to wait until graduation to begin your nursing career. With the NWTC nursing career pathway, you can qualify for a Nursing Assistant degree while you're still in high school and earn a Practical Nursing Diploma within one year of graduation. But that's only one of many paths your career can take.
WHY CHOOSE THE NURSING CAREER PATHWAY?
Earn FREE college credits while you're still in high school
Qualify for a Nursing Assistant Diploma while you're still in high school
Qualify for a Practical Nursing Diploma within one year of high school graduation
THE SAVINGS ADD UP!
Nursing Assistant program cost savings: $650
Practical Nursing program cost savings: Approximately $6,200 and completing up to 23 credits at your high school for FREE
REQUIREMENTS TO GET STARTED
Junior or Senior grade level status
GPA of 3.0 or higher
READY TO START?
Please reach out your high school counselor for assistance with Start College Now or Youth Apprenticeship
nwtc.edu/earlycollegenursing

COURSE OFFERINGS BY DEPARTMENT

Agribusiness

Course #	Course Title	Open to:
6301A/6302A	Intro Agriculture & Natural Resources	9, 10, 11, 12
6310	Veterinary Science I	9,10, 11, 12
6312	Veterinary Science II	10,11,12
6321	Greenhouse, Plants, & Flowers	10, 11, 12
6330	Aquaculture/Hydroponics I	10, 11, 12
6340	Small Animal and Horse Care	9, 10, 11, 12
6350	Fish & Wildlife I Management	9,10, 11, 12
6360	Fish & Wildlife II Management	10, 11, 12
6370	Forestry	10, 11, 12
6380	Natural Resource Management	10, 11, 12
6390	Biotechnology in Plants, Animals & Environ.	10, 11, 12
6391	Small Gas Engines	10,11,12
6731/6732	TE/Agribusiness Co-Op Class	12
6741/6742	TE/Agribusiness Co-Op Work Experience	12
6392	Outdoor Recreation	9,10,11,12
6340A	Large Animal	10,11,12
006323	Landscape & Turf Management	10,11,12
6330B	Agricultural Construction Skills	10,11,12
6330A	Aquaculture/Hydroponics II	10,11,12

Art

Course #	Course Title	Open to:
7010	Art I	9, 10, 11, 12
7030	Painting	9, 10, 11, 12
7040	Ceramics	9, 10, 11, 12
7050	Jewelry-Metals	9, 10, 11, 12
7060	Drawing	9, 10, 11, 12
7085	Sculpture	9, 10, 11, 12
7100	Advanced 2-D Studio Art	10, 11, 12
7200	Advanced 3-D Studio Art	10, 11, 12
7301A/7302A	AP 2-D Art Design	11, 12
7401A/7402A	AP 3-D Art Design	11, 12
9316A/9316B	IB Visual Arts SL 1	11
9317A/9317B	IB Visual Arts HLA 1	11
9316C/9316D	IB Visual Art SL II	12
9317C/9317D	IB Visual Art HLA II	12

Business and Marketing

Course #	Course Title	Open to:
6010	Introduction to Business	9, 10, 11, 12
6022	Business Communications	10, 11, 12
6040	Personal Finance	10, 11, 12
6051A/6052A	Accounting Principles 1	10, 11, 12
6055/6056	Accounting 2	11, 12
6063	Web and Mobile App Development	9, 10, 11, 12
6064	Video Game Design and Development I	9, 10, 11, 12
6100	Business Management	10, 11, 12
6106	Innovation and Entrepreneurship	11, 12
6115	Introduction to Law	10, 11, 12
6131/6132	Business Occupations Co-Op Classroom	12
6130	Marketing	9, 10, 11, 12
6140	Sports and Entertainment Marketing	9, 10, 11, 12

6141/6142	Business Occupations Co-op Work	12
6137	Marketing Management	10, 11, 12
6146/6147	Marketing and Leadership Development	11, 12
6134	Digital Marketing	10, 11,12
6154	Business Finance	10, 11,12
6145A	Global Business	10,11, 12
6070A	Retail Merchandising	10, 11, 12

Computer Science

Course #	Course Title	Open to:
3210A	Keys to Computer Science	9, 10, 11, 12
3230C	Artificial Intelligence for Good	9, 10, 11, 12
3230D	The Challenge of Cybersecurity	9,10, 11, 12
3243/3244	Advanced Placement Computer Science Principles	10,11, 12
3251/3252	Advanced Placement Computer Science A	10, 11, 12
003210B	Solving Big Problems with Big Data	9, 10, 11, 12
XXXX	Ethical Hacking	9, 10, 11, 12
3230E	Web and Mobile App Development	9,,10,,11,,12

Family and Consumer Education

Course #	Course Title	Open to:
6412	Food Science	10, 11, 12
6421A	Home Design Studio I	9, 10, 11, 12
6423A	Advanced Home Design Studio	10, 11, 12
6422	Introduction to Health Science	9, 10, 11, 12
6431	Culinary Arts I	10, 11, 12
6432	Culinary Arts II	10, 11, 12
6433	Professional Culinary and Pastry Arts	11, 12
6447	Life	11, 12
6448	Child Development Prenatal -3	9, 10, 11, 12
6449	Child Development 4-12	9, 10, 11, 12
6450	Early Childhood Education	11, 12
6454	Certified Nursing Assistant	11, 12
6461/6462	Family & Consumer ED Occupation Class	12
006428	Health Science Career	9,10,11,12
6141/6142	Family & Consumer ED Co-Op Work	12

Health .5 Credit Required

Course #	Course Title	Open to:
5070	Health	9

International Baccalaureate (IB) Program

Course #	Course Title	Open to:
9021A/9022A	Theory of Knowledge I	11
9031A/9032A	IB English HL I	11
9041A/9042A	IB French B SL/HL I	11
9051A/9052A	IB German B SL/HL I	11, 12
9061A/9062B	IB Spanish B SL/HL I	11
9071A/9072A	IB History HL I	11
9091A/9092A	IB Biology HL I	11
9211E/9212E	IB Mathematics Year 1: Core Topics	11
9316A/9316B	IB Visual Arts SL I	11
9317A/9317B	IB Visual Arts HL I	11
9081A/9082A	IB Psychology SL	11, 12
9021B	Theory of Knowledge II	12
9031B/9032B	IB English HL II	12
9041B/9042B	IB French B SL/HL II	12
9051B/9052B	IB German B SL/HL II	12

9061C/9062D	IB Spanish B SLII	12
9061D/9062E	IB Spanish B HL II	12
9071B/9072B	IB History HL II	12
9091B/9092B	IB Biology HL II	12
9213A/9214A	IB Mathematics Year 2: Applications and Interpretations	12
9215A/9216A	IB Mathematics Year 2: Analysis and Approaches	12
9317C/9317D	IB Visual Arts HL II	12
9316C/9316D	IB Visual Arts SL II	12

English Language Arts
4 credits required

Course #	Course Title	Open to:
1027B	Literature	9
1063A	Writing	9
1060A	Speech	10
1061A	Literary Analysis	10
1066A	College and Career Writing	11
1101A	American Literature	11, 12
1100A	British Literature (offered 21-22)	11, 12
1180A	Multicultural Literature	11, 12
1064	Creative Writing (Online/Asynchronous)	11, 12
1070B	Dramatic Lit	11, 12
1110A	Comparative Mythology	11, 12
1065A	Creative Writing	11, 12
01090B	Journalism 1	11, 12
01095B/0196B	Journalism 2 - Newspaper	11, 12
01191A/01192A	Journalism 2 - Publications	11, 12
1171A/1172A	Advanced Placement Eng Lang and Comp	10, 11, 12
1161A/1162A	Advanced Placement Eng Lit and Comp	10 , 11, 12
9031A/9032A	IB English Lit HL I	11
9031B9032B	IB English Lit HL II	12
1051D/1052D	English Language Arts 4 Capstone online	12
1051B/1052B	English Language Arts 4 Capstone	12
1170A	Oral /Interpersonal Communications NWTC	12
1170D	English Composition NWTC	12
01181B	Topics in Literature	11, 12

Mathematics
3 Credits Required

Course #	Course Title	Open to:
3061/3062	Algebra 1	9, 10, 11, 12
3065/3066	Algebra Extension	9, 10, 11, 12
3081/3082	Geometry and Trigonometry	9, 10, 11, 12
3085/3086	Geometry and Trigonometry Extensions	9, 10, 11, 12
3101/3102	Algebra 2	9, 10, 11, 12
3101A/3102A	Algebra 2 Extensions	10,11,12
3073/3074	Advanced Placement Statistics	9, 10, 11, 12
3111A/3112A	College Algebra	9, 10, 11, 12
3121/3122	Precalculus	10, 11, 12
3131/3132	Advanced Placement Calculus AB	11, 12

3135/3136	Advanced Placement Calculus BC	11, 12
3123A/3124A	Vocational Math A NWTC	12
	Vocational Math B NWTC	
3127/3128	College Math	12
9211E/9212E	IB Mathematics Year 1: Core Topics	11
9213A/9214A	IB Mathematics:	11,12
	Applications/Interpretations SL Year 2	
9215A/9216A	IB Mathematics: Analysis and	11,12
	Approaches SL Year 2	
3103/3104	Algebra 2 and Precalculus	9, 10 ,11, 12
3121A/ 3122A	Pre-Calculus-Earn College Credit Too	10, 11, 12
3103A/3104A	Algebra 2 for Precalculus	9, 10, 11, 12
6071/3072	Probability and Statistics	11, 12

Music (Band, Choral, Orchestra)

Course #	Course Title	Open to:
8001/8002	Symphonic Band	9
8011/9012	Wind Ensemble	9, 10, 11, 12
8021/8022	Concert Band	10, 11, 12
8038/8039	Cantus	9, 10, 11, 12
8043/8044	Cantare	9, 10, 11, 12
8045/8046	Bel Canto	9, 10, 11, 12
8071/8072	Concert Choir	10, 11, 12
8081/8082	Vocal Ensemble	10, 11, 12
8053/8054	Kairos	9, 10, 11, 12
8031/8032	String Orchestra	9, 10, 11, 12
8036/8037	Chamber Orchestra	10, 11, 12

Physical Education (1.5 Credits Required)

Course #	Course Title	Open to:
5011	Freshman Physical Education	9 Recommended
5025	PE Individual Sports	10, 11, 12
5035	PE Team Sports	10, 11, 12
5036	PE Team/Individual Combo	10, 11 ,12
5023	Advanced Athletic Performance for females	9, 10, 11, 12
5065	PE Personal Fitness and Conditioning	9, 10, 11, 12
5088	PE Advanced Strength training	9, 10, 11, 12

Science (3 Credits Required)

Course #	Course Title	Open to:
4011/4012	Physical Science	9
4021/4022	General Science	9
4056/4057	Advanced Biology	9, 10
4061/4062	Chemistry	10, 11, 12
4051/4052	Biology	9, 10
4041/4042	Basic Biology	10, 11
4063/4064	Advanced Chemistry	10, 11, 12
6310	Veterinary Science I	10, 11, 12
6380	Natural Resource Management	10, 11, 12
6390	Biotechnology in Plants, Animals & Env.	10, 11, 12
6330	Aquaculture/Hydroponics	10, 11, 12
6370	Forestry	10, 11, 12
6412	Food Science	10, 11, 12
6573/6574	Principles of Engineering (Eng Level III)	10, 11, 12
4091/4092	Physics	10, 11, 12
4101/4102	Advanced Placement Biology	10, 11, 12
4000/4002	Human Anatomy and Physiology	11, 12

4070	Astronomy	11, 12
4080	Environmental Science	11, 12
4111/4112	Advanced Placement Chemistry	10, 11, 12
4121/4122	Advanced Placement Physics I	10, 11, 12
9091A/9092A	IB Biology HL I	11
9091B/9092B	IB Biology HL II	12
4123/4124	Advanced Placement Physics II	11, 12
4081/4082	Earth Science	11, 12
4000B/4002B	Human Biology (College Credit Course)	11, 12

Social Studies (3 Credits Required)

Course #	Course Title	Open to:
2013B/2014B	Survey Of World History	9
2091A/2092A	Advanced Placement United States History	9, 10, 11, 12
2111A/2112A	Advanced Placement European History	9, 10, 11, 12
2101A/2102A	Advanced Placement US Govt & Politics	10, 11, 12
9071A/9072A	IB History HL I	11
9071B/9072B	IB History HL II	12
9081A/9082A	IB Psychology SL	11, 12
2113A/2114A	Advanced Placement Psychology	10, 11, 12
2115C/2115D	Advanced Placement Microeconomics and Advanced Placement Macroeconomics	10, 11, 12
2084B	Global Studies Asia	9, 10, 11, 12
2070A	Sociology	10, 11, 12
2040A	Psychology	10, 11, 12
2060A	Economics	10,11, 12
2080A	Geography	10, 11, 12
2080B	Civics	10, 11, 12
2050C	Ancient Civilizations	9, 10, 11, 12
2071A	Genocide and Human Rights	9, 10, 11,12
2023A/2024A	Survey of United States History	9, 10, 11, 12
2088A	History of American Sports	9,10, 11, 12
2089A	Conflicts in History: Terrorism	9, 10, 11, 12
2082A	American Conspiracy Theories (offered 2023-2024)	9,10, 11, 12
2083A	Civil Rights and Diversity (Offered 2023-2024)	9,10, 11, 12
2085A	Conflicts in History: World War II (offered 2023-2024)	9, 10, 11, 12
2087A	World Religions (offered 2023-2024)	9, 10, 11,12

Engineering and Technology Education

Course #	Course Title	Open to:
6567/6568	Introduction to Engineering (Arch I Level I)	9, 10, 11, 12
6600A	Welding/Metal Fabrication 1	9, 10, 11, 12
6703	Introduction to Woodworking	9, 10, 11, 12
006752	Introduction to Digital Media	9, 10, 11, 12
6648	Intro to Robotics / Robotics I	9, 10, 11, 12
6065	Coding	9, 10, 11, 12
6652	Robotics II Automation and Eng	10, 11, 12
6523	Architectural Design and Construction (Arch I Level II)	10, 11, 12
6524	Architectural Design and Construction II (Arch I Level III)	10, 11, 12
6573/6574	Principles of Engineering (Eng Level III)	10, 11, 12
6546/6547	3D Solid Modeling (Eng Level II)	10, 11, 12
6563	Electronics	10, 11, 12

6595	Graphics Screen Print	10, 11, 12
611A/6612B	Welding/Metal Fabrication 2	10, 11, 12
6663	Video Production and YouTube Creator	10, 11, 12
6673	Video Production II	10, 11, 12
6713	Furniture and Cabinetry	10, 11, 12
6716	Furniture and Cabinetry II	10,11,12
6613/6614	Design for Manufacturing	11, 12
6527/6528	Advanced Architectural Design and Construction (Arch I Level IV)	11, 12
6570	Digital Photography and Editing	11, 12
6531/6532	Advanced Engineering (Engineering Level IV)	11, 12
6590/6592	Graphic Production	11, 12
6623A/6624	Welding/Metal Fabrication 3	11, 12
6683	Advanced Video Production	11, 12
6723	Advanced Wood Technology	11, 12
6726	Advanced Wood Technology II	11,12
09006A	Web Graphics	9,10,11, 12
6131/3132	Technology Education/Ag Co-Op Class	12
6141/6142	Technology Education/Ag Co-Op Work	12
6575	Advanced Photography	12
6743/6744	Technology and Engineering Edu Capstone	12
	Youth Apprenticeship In Construction Or Manufacturing Related Fields	11, 12

World Language

Course #	Course Title	Open to:
1311/1312	French I	9, 10, 11, 12
1321/1322	French II	9, 10, 11, 12
1331/1332	French III	10, 11, 12
9041A/9042A	IB French B SL/HL I	11
1341/1342	French IV	11, 12
1351/1352	French V	12
9041B/9042B	IB French B SL/HL II	12
1361/1362	Spanish 1	9, 10, 11, 12
1371/1372	Spanish 2	9, 10, 11, 12
1383/1384	Advanced Spanish 3	9, 10, 11, 12
1381/1382	Spanish 3	10, 11, 12
9061A/9062B	IB Spanish B SL/HL 1	11
1391/1392	Spanish 4	11, 12
1401/1402	Spanish 5	12
9061B/9062C	IB Spanish B SL/HL 2	12
1400	Conversation in Career	10,11,12
1410	Spanish for the Medical Field	10,11,12
1411/1412	German I	9, 10, 11, 12
1421/1422	German II	9, 10, 11, 12
1431/1432	German III	10, 11, 12
9051A/9052A	IB German B SL/HL I	11,12
1441/1442	German IV	11, 12
1451/1452	German V	12
9051B/9052B	IB German B SL/HL II	12

Additional Elective Courses

Course #	Course Title	Open to:
1170F	Concepts, Issues and Field Experience in Education	11, 12
09004E	Mindful U	10, 11, 12
5026	Developing Young Leaders I (Not PE Credit)	10, 11, 12
6454	Nursing Assist (offered at Bellin College or NWTC	11, 12

AGRIBUSINESS

6301A/6302A INTRO AGRICULTURE & NATURAL RESOURCES

Prerequisite: None
Grades: 9, 10, 11, 12 (Not open to seniors who have taken 3 or more Ag classes)
Year/ 1 credit

This is the Appetizer of all Agriculture Courses! Learn a little about everything- Growing Plants, Raising and Caring for Animals, Securing Wildlife, and Nurturing Forests. We learn by doing in this class. Brat making, cheese tasting, and root beer fermentation are a few examples! Work in the Aquaculture Center, Greenhouse, Hydroponic Room, and Outdoor Lab. We will explore careers in the agribusiness field and go on a few field trips to engage in those career options. Anyone interested in how the world turns will greatly benefit from taking this class.

6310 VETERINARY SCIENCE I

Prerequisite: None
Grades: 9,10, 11, 12
Semester/.5 credit this course counts as a .5 science elective

Basic animal care deals with identification, selection, nutrition, breeding, genetics, and health care for animals such as dogs, cats, horses, chickens, beef, sheep, dairy cattle, and small animals. Interested in becoming a veterinarian? This class will give you basic anatomy, physiology needed to pursue any animal career. Field trips and guest speakers from various phases of the animal industry are an important part of this class. A dissection lab is included in the veterinary unit of this course. It is recommended that Small Animal and Horse Care be taken before taking this class. This class counts as .5 credit science elective.

6312 VETERINARY SCIENCE II

Prerequisite: Veterinary Science I (passing with A or B)
Grades: 10,11, 12
Semester/.5 credit

Advanced animal identification, health care, anatomy and physiology, hospital procedures, and principles of disease will be discussed. Extensive career exploration and preparation will be required. Field trips and guest speakers from various animal industry representatives will be an important part of this class.

6321 GREENHOUSE, PLANTS, AND FLOWERS

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Through a hands-on experience in the greenhouse and the school garden you will learn fundamental knowledge of plant components and their functions. Topics include pollinating, propagating plants, germinating seeds, plant nutrients, and factors affecting photosynthesis, respiration, transpiration, floral design, landscaping, vegetable production and greenhouse sales, pruning trees and shrubs, and care of indoor and outdoor plants. Learning by doing will be emphasized. Field trips to area greenhouses and nurseries will be a part of this class. Experts in the field will be brought in as guest speakers. Anyone considering a career in a greenhouse or landscaping should take this class. Landscaping an area on the school grounds is also a part of this class.

6330 AQUACULTURE/HYDROPONICS I

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit this course counts as a .5 science elective

In this course, students will learn the basics of aquaculture: raising fish, plants, and other aquatic species. Concepts covered in the course will include a basic introduction to aquaculture, history, uses, types of aquaculture facilities, types of plants and animals cultured, and careers in aquaculture. Water quality, testing, and water calculations. Students will be responsible for the planting and care of fruits and vegetables as well. The class will also include field trips, guest speakers, projects and lab activities.

6330A AQUACULTURE/HYDROPONICS II

Prerequisite: Aquaculture/Hydroponics I
Grades: 10, 11, 12
Semester/.5 credit

This course emphasizes the lab based knowledge and methods necessary for aquaculture/hydroponics (aquaculture). Students learn the history, the structure and function of aquatic plants and animals, general management practices such as nutrition, health, water chemistry, equipment, and regulations. The business and careers of aquaponics will be covered.

6330B AGRICULTURAL CONSTRUCTION SKILLS

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

This class will give students a hands-on introductory level of agricultural construction. Skills learned in this class will prepare students to construct and maintain agricultural structures and equipment through the building of a garden shed. Skills are focused on tool identification, interpreting plans, calculating a bill of materials, electrification, carpentry, plumbing, and masonry.

6340 SMALL ANIMAL AND HORSE CARE

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

If you love learning about animals and care of animals, this class is for you. Care and management of small domestic animals such as cats, dogs, guinea pigs, gerbils, mice, reptiles, rabbits, and hamsters will also be covered in this class. Breeding, feeding, digestive systems, housing, disease control, training, and marketing will be areas covered for each species. Nine weeks of this semester class will be spent studying horses and horse care. Breeds, feeding, grooming, disease control, conformation, and riding are some of the topics that will be covered in the horse care unit. Careers in the small animal, horse, and pet industries will also be covered. Guest speakers from the horse and pet care industries are an important part of this class. Field trips to horse and pet related businesses are also a part of this course.

6340A LARGE ANIMAL

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Provides fundamental knowledge of the large animal science field. Topics include animal health, animal environments, anatomy and physiology, genetics and reproduction, animal feedstuffs, and job-related safety. Students will experience animal concepts through the completion of hands-on activities.

6350 FISH AND WILDLIFE MANAGEMENT I

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

In this course, students will learn a basic introduction of wildlife species including mammals, fish, birds, reptiles, and amphibians. Concepts covered in the course will include fish and game management principals, Wisconsin hunting and fishing laws, careers in wildlife management, bait and tackle, and archery. A unit in taxidermy will also be a core part of the class. Within this unit, students will have the opportunity to mount a panfish in class. During the bait and tackle unit, students will have the opportunity to create a fishing lure. Students will gain a greater knowledge of outdoor recreation in Wisconsin as well as an appreciate for the outdoors. The class will also include field trips, guest speakers, projects, and lab activities.

6360 FISH AND WILDLIFE MANAGEMENT II

Prerequisite: Fish & Wildlife Management I
Grades: 10, 11, 12
Semester/.5 credit

This course will be an extension of fish and wildlife management 1. Students will learn more in depth concepts related to wildlife management. Course material will focus on individual big game species found in Wisconsin. Advanced fish and game management techniques will be covered including population estimation and harvest management. Social and economic impacts of hunting, fishing, and outdoor related activities will be discussed. During the taxidermy unit, students will have the opportunity to mount a small mammal (squirrel) as well as deer antlers. Students will also have the opportunity to build their own fishing rod as part of the class. Students will further gain an understanding and appreciation of outdoor recreation in Wisconsin. The class will also include field trips, guest speakers, projects, and lab activities

6370 FORESTRY

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit this course counts as .5 credit science elective

In this course, students will learn a basic introduction of forest principles and management. Concepts covered in this course will include tree structure, function, planting, care, and management of deciduous and coniferous trees. A large emphasis will be placed on tree identification, forest management techniques, fire control, chainsaw operation and safety, disease and insect control, as well as habitat improvement. Students will learn how basic forestry tools operate and have the opportunity to measure trees in various ways. The class will also include field trips, guest speakers, projects, and lab activities. The class will be involved with work at the school forest in Suamico.

6380 NATURAL RESOURCE MANAGEMENT

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit this course counts as .5 credit science elective

Students will learn a basic introduction of natural resources, how humans utilize them, and why they are important to protect and conserve. Concepts in the course will include waste management, wetlands, water resources, air pollution, soil conservation, energy/alternative energy sources, agriculture, and environmental issues. Students will gain a greater understanding of Earth's natural resources as well as the importance of proper management and protection. Students will also address concerns of feeding a growing world population with dwindling resources. The class will also include field trips, guest speakers, projects, and lab activities.

6390 BIOTECHNOLOGY FOR PLANTS, ANIMALS AND THE ENVIRONMENT

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit this course counts as .5 credit science elective

In this course, students will examine the fundamental applications of biotechnology in today's world. Course concepts will start out with an introduction of biotechnology and lead into the processes, products, and impact of biotechnology through a hands on approach. This will lead into more in depth topics including genetic engineering, animal reproduction techniques, cloning, plant tissue culture, and using microbes to clean up the environment. Students will gain a greater understanding of the challenges of feeding a growing world population and the need for biotechnology in today's society. The class will include field trips, guest speakers, and lab activities.

6392 OUTDOOR RECREATION

Prerequisite: None
Grades: 9,10, 11, 12
Semester/.5 credit

Outdoor Recreation will allow students the chance to learn principles of environmental education in relationship to outdoor recreation and stewardship of the land. Topics covered geocaching, how to use GPS coordinates and GPS units, orienteering, and the social and economic impacts of outdoor recreation. Students will also have the opportunity to earn DNR certifications in ATV safety, Snowmobile safety, Boaters' safety, Trapper education, and Hunter safety. For anyone who enjoys spending time outdoors, this is the class for you! A $10.00 certification fee will be required for ATV, Boaters', Hunters', and Snowmobile certifications and a $12.00 fee for Trappers' education.

6391 SMALL GAS ENGINES

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

In this course, students will learn a basic understanding of the principles of small gas engine operation. Concepts in the course will include small gas engine operation, trouble shooting, maintenance, repair, servicing, and safety. Students will also explore careers related to small gas engines and mechanics. Students will have the opportunity to work with one cylinder, Briggs and Stratton as well as Kohler small gas engines in class. Students will be required to completely tear down an engine and put it back together. The class will include field trips, guest speakers, and lab activities.

006323 LANDSCAPE AND TURF MANAGEMENT

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Landscaping and Turf Management includes standards to prepare students for creating beautiful environments for homes and businesses. This course includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy attractive landscapes and turf areas will be emphasized. With the increase of urban sprawl these career opportunities are increasing daily. Plant science and leadership skills taught in this class will prepare students to meet the demands of this exciting industry.

Landscape & Turf Management Course Outline

1. Introduction to Landscaping and Turf Management
2. Tree & Shrub Selection and Maintenance
3. Plant Selection and Maintenance
4. Turf Grass Selection and Maintenance
5. Commercial Interior Plantscaping
6. Pest Management
7. Water Management
8. Landscape Design
9. Business Principles of Landscaping and Turf Management

6731/6732 TE/AGRIBUSINESS CO-OP CLASS

Prerequisite: At least one credit of agribusiness courses.
Exhibit a career interest in agriculture. Instructor approval.
Must have a grade point average of C or better in Ag classes.
Attendance record of not more than 18 days absent for the 11th grade.
Student is responsible for securing an Ag related job prior to start of school.
Grade: 12
Year/ 1 credit

The classroom content of this course will include career planning, applications, resumes, personal data, advancement, worker relations, communications, employee attitudes, in correlation with the experience students will have on the job site.

6741/6742 TE/AGRIBUSINESS CO-OP (WORK EXPERIENCE)

Prerequisite: Must have 18 credits earned by the end of Grade 11.
Grade: 12
Semester or Year/.5 credit through 2 credits

This course is designed to give Agribusiness students the option to explore a career in a local agribusiness. Students will have the chance to apply the skills and knowledge they have acquired in school courses. Students are released to work at a work site during the afternoon. Hourly wages and high school credit are earned through on-the-job training in the afternoon. Students must work an average minimum of 15 hours per week.

WORK EXPERIENCE CREDIT OPTIONS:

Students may elect one of the following credit options for the work experience:

- 2 credits = Work release 3 periods all year
- 1 credit = Work release 2 periods all year
- 1 credit = Work release 3 periods one semester
- .5 credit = Work release 2 periods one semester


IBVA
HLA OR SLB
JEWELRY
METALS
ART 1
DRAWING
2D
STUDIO
ADVANCED
PAINTING
2D
STUDIO
AP
SCULPTURE
CERAMICS
3D
STUDIO
ADVANCED
3D
STUDIO
AP
BAY PORT | VISUAL ARTS

ART

7010 **ART I**
Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Art I is an exploratory foundational course designed to offer basic conceptual development and technical competence. Students will build a foundation in the understanding of the Elements of Art and the Principles of Design. They will experiment in both 2D and 3D areas to produce creative art projects that reflect their understanding of these concepts. Each lesson will engage students with a variety of activities culminating in the creation of an art work. Available to all students interested in Art regardless of art experience or grade level. Required for all other art courses. Sketchbook recommended.

7030 **PAINTING**
Prerequisite: Art I, drawing recommended
Grades: 9, 10, 11, 12
Semester/.5 credit

Students in the Painting course will explore and experience a variety of painting techniques, media, and historical approaches to art. Painting is a problem-solving course dealing with form, color, line, and texture (figurative and abstract). Through the use of the world outside the classroom, models, drawings, photographs, and imagination, students interpret and express the painter's world in a variety of materials including acrylic, watercolor, ink, paper and canvas as well as a variety of experimental media. The coursework supports interdisciplinary exploration and invites students to bring in ideas and materials from other areas of study. Compositional and formal issues are stressed throughout the curriculum.

7040 **CERAMICS**
Prerequisite: Art I
Grades: 9, 10, 11, 12
Semester/.5 credit

Ceramics is a course that focuses specifically on the use of clay and clay materials. Students will have opportunities to learn hand-building and pottery wheel techniques over the course of the semester. We will also learn different ways to finish a piece through a variety of painting and glazing applications. Students taking this class should be well aware they will need to utilize time management skills as clay is an extensive process and we will be working on many projects simultaneously.

7050 **JEWELRY-METALS**
Prerequisite: Art I
Grades: 9, 10, 11, 12
Semester/.5 credit

This course is designed to give the students an opportunity to work in a variety of jewelry techniques. Course content: Students will work and receive instruction in metal forming and soldering techniques. Students will also create jewelry using enameling techniques. Students will be using soldering torches and enameling kiln. As time permits, additional jewelry techniques will be introduced. In the jewelry area emphasis will be placed on design and craftsmanship. Safety glasses are provided.

7060 **DRAWING**
Prerequisite: Art I
Grades: 9, 10, 11, 12
Semester/.5 credit

Students in the drawing class will develop their ability to understand two-dimensional visual organization through various drawing media. Drawing is seen as a process for visual problem solving and as having a significant place in art history. Compositional and formal issues of drawing are stressed throughout the curriculum. Students explore traditional subject matter as well as beginning investigations of modern and contemporary approaches. The coursework supports interdisciplinary exploration and invites students to bring in ideas and materials from other areas of study. Students complete assignments focusing on abstract, conceptual, realism, and thematic approaches to drawing.

7085 **SCULPTURE**
Prerequisite: Art I
Grades: 9, 10, 11, 12
Semester/.5 credit

Sculpture focuses entirely on the development of three dimensional media. 3-D art requires visual problem-solving as sculpture forces students to evaluate their work's visual impact from all sides ("in the round"), its use of positive and negative space, and its overall impact on its surroundings. Students will explore a variety of materials.

ADVANCED ART

7100 **ADVANCED 2-D STUDIO ART**
Prerequisite: Art I, Drawing, Painting
Grades: 10, 11, 12
Semester/.5 credit

Students in Advanced Art 2D will explore and refine their own ideas, processes, and uses of materials. While working in a community of student artists, the course will be emphasizing an awareness of the relationship of their work to contemporary art making practices. Assignments are based on contemporary art making concepts and themes. All Advanced assignments are open ended leaving student's room to explore the materiel they feel would most support their ideas. The coursework supports interdisciplinary exploration and invites students to bring in ideas and materials from other areas of study.

7200 **ADVANCED 3-D STUDIO ART**
Prerequisite: Art I, Ceramics, Sculpture
Grades: 10, 11, 12
Semester/.5 credit

3-D Studio offers students interested in 3-D media the freedom, opportunity, and materials necessary to explore that interest more thoroughly. Students will be required to complete a number of conceptual pieces aimed to explore advanced techniques and problems in 3-D art
Outside of this students are free to develop and execute any 3-D project they desire, required only that they explore their own creativity, challenge themselves, and display the work upon completion.

ADVANCED PLACEMENT ART

7301A/7302A AP 2-D ART DESIGN

Prerequisite: Art I, Drawing, Painting, Advanced 2-D Studio Art
Grades: 11, 12
Year/ 1 credit
Weighted Grading

AP Studio Art is a rigorous exploration of a students' interest in the arts. The 2-D course focuses on 2-D concepts and allows ample time and opportunity to develop a body of work suitable for entrance in any art college. Students in both AP Studio courses will develop a portfolio of their work, an admissions requirement of any art college, including many found on local university campuses. Students will also take part in a culminating art show that will showcase their talent to the public and provide an adequate capstone to the end of their high school art career. Public presentation, photography of work, and techniques for public display will be also covered.
This course is, by no means, limited only to those interested in the arts professionally. Any qualified student with an interest in the creative arts and seeking an advanced environment in which to explore that interest is welcome.
This is an advanced level course that is designed for students who want to further develop mastery in their art making skills. The course is developed as a college level course completed at the high school level. Requirements for the final portfolio are developed by the College Board Advanced Placement Program, including a Quality, Concentration, and Breadth Section that consists of approximately 24 different advanced level artworks. Portfolios are submitted both through actual art works and digital images, to the AP Board for scoring.

7401A/7402A AP 3-D ART DESIGN

Prerequisite: Art I, Ceramics, Sculpture, Advanced 3-D Studio Art and Instructors Approval
Grades: 11, 12
Year/ 1 credit
Weighted Grading

AP Studio Art is a rigorous exploration of a students' interest in the arts. The 3-D course focuses on 3-D concepts and allows opportunity to develop a body of work suitable for entrance in any art college. Students in both AP Studio courses will develop a portfolio of their work, an admissions requirement of any art college, including many found on local university campuses. Students will also take part in a culminating art show that will showcase their talent to the public and provide an adequate capstone to the end of their high school art career. Public presentation, photography of work, and techniques for public display will be also covered.
This course is, by no means, limited only to those interested in the arts professionally. Any qualified student with an interest in the creative arts and seeking an advanced environment in which to explore that interest is welcome.
Students must have completed all pre-requisite courses as the amount of art work required to complete the AP Portfolio requirement is substantially more than can be completed in the AP year. Work from all related courses over a students' high school career will join new work in the completed portfolio. The completed portfolio will be made up of 2 components. The first will focus on technical and conceptual skill combined; students will create a minimum of 9 pieces, students will then select 5 of those to submit to the AP platform. The second component will focus on the process of creating - both in technical and conceptual nature; this will be made up of 15 images documenting said process of creating.

9316A/9316B IB VISUAL ARTS SL I

Prerequisite: Art 1 or with Art Dept. Approval
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB Visual Arts SL I is an in-depth, advanced study in the visual arts. This course emphasizes the study and research of art concepts, critical analysis, and topical investigation in the visual arts. Students will explore a variety of media related to sculpture, drawing, painting, mixed media, ceramics, art metals, and/or photography. Studio work produced will be based on visual and written investigation.

9316C/9316D IB VISUAL ARTS SL II

Prerequisite: IB Visual Arts SL I
Grade: 12
Year/ 1 credit
Weighted Grading

Year two allows IB Visual Arts students the freedom and responsibility to develop their own body of work. Requirements include the development of themes, made up of multiple pieces of art that explore, in different ways, a common subject or concept. The goal is to develop a portfolio of studio and written work that, when combined with work from year one, encompasses two years worth of artistic development.

9317A/9317B IB VISUAL ARTS HLA I

Prerequisite: Art 1 or with Art Department Approval
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB Visual Arts HLA I is an in-depth, advanced study in the visual arts. This course emphasizes studio work allowing students to explore a variety of media related to sculpture, painting, drawing, mixed media, ceramics, art metals, and/or photography. Students will build on prior experiences while developing and using new skills, techniques, and ideas. Additional investigation into artistic concepts, critical analysis, and historical research will be expected. Students will ultimately produce a large body of in-depth work to be assessed.

9317C/9317D IB VISUAL ARTS HLA II

Prerequisite: IB Visual Arts HLA I
Grade 12
Year/ 1 credit
Weighted Grading

Year two allows IB Visual Arts students the freedom and responsibility to develop their own body of work. Requirements include the development of themes, made up of multiple pieces of art that explore, in different ways, a common subject or concept. The goal is to develop a portfolio of studio and written work that, when combined with work from year one, encompasses two years' worth of artistic development. Students in HL will be required to complete a larger body of work and more in-depth analysis into art making.

BUSINESS, MARKETING and INFORMATION TECHNOLOGY

Realizing that all students benefit from the academic and "real world" experiences presented in our courses, the Business and Information Technology Department, continually strives to present a relevant, up-to-date curriculum. *After the completion of certain business courses, students have the opportunity to take the CLEP test to gain college credit in the areas of Accounting, Marketing, Management, Law, Information Technology, etc. Students should consult with a business teacher for more information.

BUSINESS and MARKETING COURSES

6010 **INTRODUCTION TO BUSINESS**
Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

This course will assist students in developing a better understanding and preparation for their roles as future business and community leaders. Students will be actively engaged in activities and projects to develop a basic understanding of economics, business ownership and management, marketing, banking, savings and investments, consumer rights and responsibilities, human resources, job seeking and leadership skills, social responsibilities of businesses, and the importance of ethical decision-making in their personal and business world. Students will also be introduced to a variety of career options available to them.

6040 **PERSONAL FINANCE**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Personal Finance is one of the most useful classes a high school student can take to prepare themselves for their future. The Personal Finance class will teach you how to create and use a budget, how to maintain a checking account, how to build wealth in the long run by saving money (and why it is important to save money), the pros and cons of home ownership versus renting, how credit can be either your best friend or your worst enemy, and about the different types of insurance. Students will also learn about investing in stocks, bonds, and mutual funds.

6022 **BUSINESS COMMUNICATIONS**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

People skills and communication skills are essential for the success in any career. This course will give students a comprehensive view of communication and its importance in business and society. Students will develop their written, oral, and technology-enabled communication skills while also learning the proper formatting techniques of Microsoft Word, Microsoft PowerPoint, and other existing and emerging technologies.

6115 **INTRO TO LAW**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Students who enjoy learning about courts, how the legal system works, business, criminal, civil, and family law, law related careers, ethics, and personal rights and responsibilities of minors and adults will benefit from this class. Students will participate in a variety of interactive and practical activities, such as in class mock trials, skits, case studies, and internet activities as part of the process of learning how law impacts society and business. Guest speakers are invited to share real world situations as well as a trip to the Brown County Court House and Jail. An excellent course for a student considering pursuing a career in business, police science, criminal justice, political science, lawyer, social work, or psychology.

6145A **Global Business**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

This course focuses on the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will study the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management.

6100 **BUSINESS MANAGEMENT**
Prerequisite: 1/2 credit of Business
Grades: 10, 11, 12
Semester/.5 credit

Business Management will focus on various aspects of business including the basic concepts of management and the characteristics, organizations, and operation of business as a major sector of the economy. Topics include types of ownership, procedures and philosophies of business management, financial analysis, communication, human resources, and product and purchasing management. This course is recommended for all students planning to major in business in college.

6106 **INNOVATION AND ENTREPRENEURSHIP**
Prerequisite: 1 credit of business
Grades: 11, 12
Semester/.5 credit

Would you like to have your ideas heard and put into action? Then this course is for you. You will be creating new and intuitive ways to solve problems in the home, community, or workplace. You will develop your personal leadership skills and creative thinking abilities by participating in activities that will teach you how to be a successful innovative thinker and manager while learning about the functions and principles of businesses and entrepreneurship. A simulation on starting your own business will include a business plan created by you. Your creation of this plan will provide an understanding on types of business ownership, how to start your own business, finance, risk management, human resources, marketing, location, channels of distribution, and social and ethical responsibilities in business. This is an excellent course for anyone who plans to study business further at the college level.

6131/6132 BUSINESS OCCUPATIONS CLASSROOM

Prerequisite: A minimum of 1 ½ credits of Business and Marketing courses.
Grade: 12
Year/ 1 credit

This course is specially designed for the student who has chosen business as a career goal and who has taken a variety of business classes. The course will focus on core employability skills, communications, word and information management, financial record keeping, and business procedures and concepts. This course must be taken for the full year.

6141/6142 BUSINESS OCCUPATIONS CO-OP WORK EXPERIENCE

Prerequisite: Must have 18 credits earned by the end of Grade 11
Grade Point Average of 2.0 or above
Enrolled in Business Occupations Class
Must have taken Business classes suitable to the type of job position being pursued.

Grade: 12
Semester or Year/.5 to 2 credits

The Business and Marketing Co-op course is designed for students who are interested in a career in business and want an opportunity to apply the skills and knowledge learned in business courses. Hourly wage and high school credit are earned through this work experience opportunity.

STRONGLY RECOMMENDED:
Accounting Principles I
Advertising and Promotions
Introduction to Business or Entrepreneurship
Business Communications

6051A/6052A ACCOUNTING PRINCIPLES 1

Prerequisite: None
Grades: 10, 11, 12
Year/ 1 credit

Accounting is a must take course for any student considering a two- or four-year college degree in accounting, business, or marketing. Accounting is currently the most in-demand college major. Students will develop a foundation in basic accounting theory and procedures. Computers will be used to process business financial information by journalizing and posting business transactions to general and subsidiary ledgers, preparing financial statements, and learning about payroll records and taxes for a service business organized as a sole proprietorship.

6055/6056 ACCOUNTING 2

Prerequisite: Successful completion of Accounting Principles 1
Grades: 11, 12
Year/ 1 credit

Students will be introduced to basic and advanced features of QuickBooks and will apply skills in realistic business simulations including creating accounts, invoicing, budgeting, preparing statements, journalizing and graphing. By the end of this course students will complete the QuickBooks certification test to allow them to have certification on basic use of QuickBooks. QuickBooks is a program that many small business organizations use today for their bookkeeping needs.

6154 **BUSINESS FINANCE**
Prerequisite: None
Grades: 10,11, 12
Semester/ .5 credit

Are you planning to go to college for Business or Marketing? Did you know it is mandatory to take at least six credits of Accounting? Business Finance will be a course to get your feet wet with the financial field and allow you to understand the basics of Accounting. In this course you will learn the accounting equation, transactions, accounting statements, bookkeeping and general managerial accounting. A great course for any future Business or Marketing major!

6140 **SPORTS AND ENTERTAINMENT MARKETING**
Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

This course provides an understanding of the marketing used in the world of sports, hospitality, and entertainment. Students will learn how to analyze customer profiles, list sponsorship opportunities, and develop advertising campaigns for sporting events, entertainment venues, and the hospitality industry. Students will get to develop and brand their own professional sports team, create a stadium venue, and develop ticket and promotional strategies for their team. Students have the opportunity to join the optional student organization DECA.

6130 **MARKETING**
Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

This course provides information on promotion and advertising and how it impacts consumers. Students learn both the traditional and innovative promotional techniques businesses use to captivate their target audience. Heavy emphasis is on the elements of promotion (advertising, public relations, publicity and sales promotion) and the development of promotional materials by utilizing the computer. Students develop knowledge and skills for marketing and advertising related careers and have the option of joining the student organization DECA.

6134 **DIGITAL MARKETING**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Marketing is ever changing and the industry demands individuals with skills that utilize the newest technologies to develop marketing materials. In this class, students will learn how to establish company marketing objectives, manipulate technology to create attractive advertisements for a variety of print, digital media, and social media that reach target markets. You will also evaluate advertisements for effectiveness and work with state and federal regulatory agencies to adhere to advertising laws. Students will use Adobe Photoshop, InDesign, along with other trending technology to apply design techniques to an advertising campaign, lettering and typography, logos, and use color for advertising.

6137 MARKETING MANAGEMENT

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

This course is designed for students who want to continue to develop their marketing skills. Students will have the opportunity to enhance their selling and employability skills along with improving their overall knowledge of the marketing functions. The course also explores social media and the ways in which businesses can utilize it to reach their target market. This course is highly recommended for students who are interested in marketing and want to develop an understanding of marketing and the optional student organization DECA.

6070A RETAIL MERCHANDISING

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

This course revolves around operating the school store. Students are given hands-on opportunities to learn about business through managing the school store and making vital business decisions that impact profits. Topics covered include: product planning, promotions, in-store & online sales, apparel & accessories production, market research, and visual merchandising. This lab-based course requires students to work in the school store and occasionally after school, sporting events, and other school functions. You will have the opportunity to participate in DECA, an organization of marketing students, and/or FBLA.

6146/6147 MARKETING AND LEADERSHIP DEVELOPMENT

Prerequisite: 1 credit of marketing AND approval from teacher
Grades: 11, 12
Semester/.5 credit
Year / 1 credit

Now that you have learned what marketing is, it is time to put your marketing knowledge into action! In Marketing Applications, students get a chance to work on REAL WORLD marketing projects and campaigns that would include but are not limited to, Public Relations, Marketing Research, Community Service, Creative Marketing, Financial Literacy, International Marketing, Advertising, Fashion Merchandising, and Entrepreneurship. Students will have the opportunity to partner with local businesses and community members to design and implement their own marketing project. Students taking this course are automatically enrolled in DECA, a business and marketing club. Students will have the opportunity to compete in DECA at the district, state, and national levels.

INFORMATION TECHNOLOGY COURSES

6064 VIDEO GAME DESIGN AND DEVELOPMENT

Prerequisite: None
Grades 9, 10, 11, 12
Semester/.5 credit

This course is an introduction to current and future technologies for electronic game design. Students will study game genres, and gameplay using various gaming platforms. Topics may include graphics, game scripting, game engines, motion control, narrative in games, game interfaces, artificial intelligence, music and sound, and social and interface issues of game development.

3230E **WEB AND MOBILE APP DEVELOPMENT**

Prerequisite: Keys to Computer Science
Grades: 9, 10, 11, 12
Semester/.5 credit

You've seen and experienced how Web and Mobile Applications have changed the way we live and work. As the rise of technology and the reliance on smartphones, tablets, and wearable technologies continues to advance, more opportunities have been created in website and mobile application development.
In this course you will learn the core concepts of application design; create and optimize content for web pages and websites; write, modify, and integrate software in the JavaScript programming language; build iOS and Android mobile applications, and more!

3210A **KEYS TO COMPUTER SCIENCE**

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Whether it's 3-D animation, engineering, music, app development, medicine, visual design, robotics, or political analysis, computer science is the engine that powers the technology, productivity, and innovation that drive the world. Computer Science experience has become imperative for students' success in the workforce of tomorrow. This is a survey course in Computer Science that allows students to explore algorithms and programming with

3230D **THE CHALLENGE OF CYBERSECURITY**

Prerequisite: Keys to Computer Science
Grades: 9, 10, 11, 12
Fall Semester/.5 credit

Explore personal, system, and network security in a project, problem, and activity-based environment. Identify the need for cybersecurity in our modern world and study common cybersecurity attacks, concepts, and techniques. Learn to protect personal data and privacy, protect others from social engineering and vulnerabilities in devices and apps, secure systems and networks by using basic defensive strategies. **This is an even-year course, next offered during the 2022-2023 School Year.**

Ethical Hacking

Prerequisite: Keys to Computer Science and The Challenge of Cybersecurity
Grades: 9,10,11,12
Semester/.5 credit

This class demonstrates the ethical use of various "white hat" cyber penetration testing tools and techniques consistent with Ethical Hacking training. An Ethical Hacker is a skilled professional who understands and knows how to look for weaknesses and vulnerabilities in target systems and uses the same knowledge and tools as a malicious hacker, but in a lawful and legitimate manner to assess the security posture of a target system. Explore various computer hacking skills, analyze various protective measures and their effectiveness, and build an offensive agent to test vulnerabilities in a system. **This is an odd-year course, next offered during the 2023-2024 School Year.**

3230C **ARTIFICIAL INTELLIGENCE FOR GOOD**

Prerequisite: Keys to Computer Science
Grades: 9, 10, 11, 12
Semester/.5 credit

Artificial Intelligence (AI) is not the fictional killer robot you may have seen in the movies...it's more real and more ubiquitous! AI is driving the next wave of technological innovation and is changing almost every industry around us. AI is how Netflix™, Prime™, and TikTok™ know what video you'll love next, how Pandora™, Spotify™, and SoundCloud™ know which songs to recommend to you. AI is how self-driving cars avoid pedestrians, how Siri™, Google™, and Alexa™ understand your sentences, and it's much, much more. **This is an even-year course, next offered during the 2022-2023 School Year.**

003210B **SOLVING BIG PROBLEMS WITH BIG DATA**

Prerequisite: Keys to Computer Science and Artificial Intelligence for Good
Grades: 9, 10,11, 12
Credit: .5

This course is an exploration of problem-solving and the application of computational tools to solve messy, real-world problems with BIG Data! The ability to work with, understand, and use data has become an essential life skill and requirement for an ever-expanding range of jobs and careers. Data is everywhere around us. The majority of the world's data has been created in the last few years. Our new data-intensive world can be difficult to navigate; decisions that used to be straightforward are now more complex, requiring individuals to be constantly separating fact from fiction. Everywhere we turn, data is telling and weaving stories about our world. **This is an odd-year course, next offered during the 2023-2024 School Year.**

3243/3244 **ADVANCED PLACEMENT COMPUTER SCIENCE - PRINCIPLES**

Prerequisite: Keys to Computer Science
Grades: 10,11, 12
Credit: 1 credit

AP Computer Science Principles will allow you to discover the central ideas of Computer Science. This AP course does not aim to teach the specifics of a single programming language or focus on software engineering (that is the focus of the AP Computer Science A course), but aims instead to help you develop innovative computational artifacts using the same creative processes artists, writers, computer scientists, and engineers use to bring ideas to life with the Python™ programming language.
Course topics include Representing and Transmitting Information on the Internet; Encoding and Compressing Digital Text, Audio, Images, and Video; Algorithm Design; Object-Oriented Programming (OOP) and Application Programming Interfaces (APIs); Big Data; and Cybersecurity.
This course will also help prepare you for the College Board's AP Computer Science Principles Performance Tasks and the AP Computer Science Principles Exam in May.

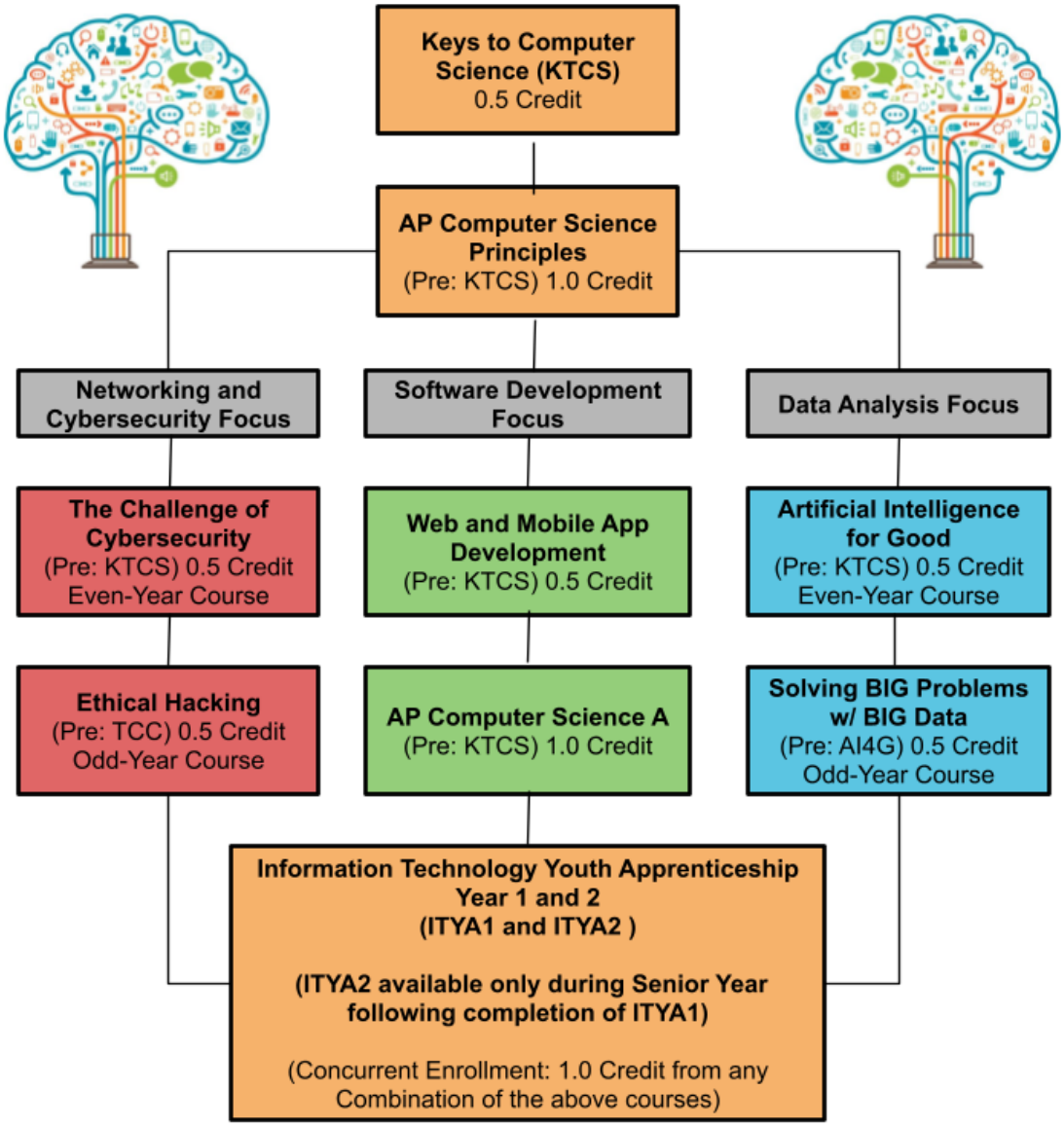
3251/3252 **ADVANCED PLACEMENT COMPUTER SCIENCE A**

Prerequisite: Keys to Computer Science
Grades: 10, 11, 12
Credit: 1 credit

AP Computer Science A will introduce you to software engineering using the Java™ programming language. You can expect to learn how to design, implement, and analyze solutions to problems; use and implement commonly used algorithms; use standard data structures; create, run, test, and debug solutions, utilizing standard library classes from the AP subset; read and understand programs consisting of several classes and interacting objects; and understand the ethical and social implications of computer use.
You can also expect to plan and implement several large-scale and complex projects.
This course will also help prepare you for the College Board's AP Computer Science A Exam in May. The AP Computer Science A course is equivalent to a traditional first-semester, college-level course within a computer science-related major.

COMPUTER SCIENCE

Computer Science Courses and Pathways



3210A **KEYS TO COMPUTER SCIENCE**

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

NORTHEAST WI Technical College

Whether it's 3-D animation, engineering, music, app development, medicine, visual design, robotics, or political analysis, computer science is the engine that powers the technology, productivity, and innovation that drive the world. Computer Science experience has become imperative for students' success in the workforce of tomorrow. This is a survey course in Computer Science that allows students to explore algorithms and programming with *Python*™, networks and the underlying technologies of the Internet, smart devices, Big Data, Artificial Intelligence, cybersecurity, and the impacts of computing.

3230D **THE CHALLENGE OF CYBERSECURITY**
Prerequisite: Keys to Computer Science
Grades: 9, 10, 11, 12
Fall Semester/.5 credit

Explore personal, system, and network security in a project, problem, and activity-based environment. Identify the need for cybersecurity in our modern world and study common cybersecurity attacks, concepts, and techniques. Learn to protect personal data and privacy, protect others from social engineering and vulnerabilities in devices and apps, secure systems and networks by using basic defensive strategies. **This is an even-year course, next offered during the 2022-2023 School Year.**

**Ethical Hacking**
Prerequisite: Keys to Computer Science and The Challenge of Cybersecurity
Grades: 9,10,11,12
Semester/.5 credit

This class demonstrates the ethical use of various "white hat" cyber penetration testing tools and techniques consistent with Ethical Hacking training. An Ethical Hacker is a skilled professional who understands and knows how to look for weaknesses and vulnerabilities in target systems and uses the same knowledge and tools as a malicious hacker, but in a lawful and legitimate manner to assess the security posture of a target system. Explore various computer hacking skills, analyze various protective measures and their effectiveness, and build an offensive agent to test vulnerabilities in a system. **This is an odd-year course, next offered during the 2023-2024 School Year.**

3230C **ARTIFICIAL INTELLIGENCE FOR GOOD**
Prerequisite: Keys to Computer Science
Grades: 9, 10, 11, 12
Semester/.5 credit

Artificial Intelligence (AI) is not the fictional killer robot you may have seen in the movies...it's more real and more ubiquitous! AI is driving the next wave of technological innovation and is changing almost every industry around us. AI is how Netflix™, Prime™, and TikTok™ know what video you'll love next, how Pandora™, Spotify™, and SoundCloud™ know which songs to recommend to you. AI is how self-driving cars avoid pedestrians, how Siri™, Google™, and Alexa™ understand your sentences, and it's much, much more. **This is an even-year course, next offered during the 2022-2023 School Year.**

003210B **SOLVING BIG PROBLEMS WITH BIG DATA**
Prerequisite: Keys to Computer Science and Artificial Intelligence for Good
Grades: 9, 10,11, 12
Credit: .5

This course is an exploration of problem-solving and the application of computational tools to solve messy, real-world problems with BIG Data! The ability to work with, understand, and use data has become an essential life skill and requirement for an ever-expanding range of jobs and careers. Data is everywhere around us. The majority of the world's data has been created in the last few years. Our new data-intensive world can be difficult to navigate; decisions that used to be straightforward are now more complex, requiring individuals to be constantly separating fact from fiction. Everywhere we turn, data is telling and weaving stories about our world. **This is an odd-year course, next offered during the 2023-2024 School Year.**

3230E **WEB AND MOBILE APP DEVELOPMENT**

Prerequisite: Keys to Computer Science
Grades: 9, 10, 11, 12
Semester/.5 credit

You've seen and experienced how Web and Mobile Applications have changed the way we live and work. As the rise of technology and the reliance on smartphones, tablets, and wearable technologies continues to advance, more opportunities have been created in website and mobile application development. In this course you will learn the core concepts of application design; create and optimize content for web pages and websites; write, modify, and integrate software in the JavaScript programming language; build iOS and Android mobile applications, and more!

3243/3244 **ADVANCED PLACEMENT COMPUTER SCIENCE - PRINCIPLES**

Prerequisite: Keys to Computer Science
Grades: 10,11, 12
Credit: 1 credit

AP Computer Science Principles will allow you to discover the central ideas of Computer Science. This AP course does not aim to teach the specifics of a single programming language or focus on software engineering (that is the focus of the AP Computer Science A course), but aims instead to help you develop innovative computational artifacts using the same creative processes artists, writers, computer scientists, and engineers use to bring ideas to life with the Python™ programming language.
Course topics include Representing and Transmitting Information on the Internet; Encoding and Compressing Digital Text, Audio, Images, and Video; Algorithm Design; Object-Oriented Programming (OOP) and Application Programming Interfaces (APIs); Big Data; and Cybersecurity.
This course will also help prepare you for the College Board's AP Computer Science Principles Performance Tasks and the AP Computer Science Principles Exam in May.

3251/3252 **ADVANCED PLACEMENT COMPUTER SCIENCE A**

Prerequisite: Keys to Computer Science
Grades: 10, 11, 12
Credit: 1 credit

AP Computer Science A will introduce you to software engineering using the Java™ programming language. You can expect to learn how to design, implement, and analyze solutions to problems; use and implement commonly used algorithms; use standard data structures; create, run, test, and debug solutions, utilizing standard library classes from the AP subset; read and understand programs consisting of several classes and interacting objects; and understand the ethical and social implications of computer use.
You can also expect to plan and implement several large-scale and complex projects.
This course will also help prepare you for the College Board's AP Computer Science A Exam in May. The AP Computer Science A course is equivalent to a traditional first-semester, college-level course within a computer science-related major.

FAMILY AND CONSUMER SCIENCE

Taking classes in Family and Consumer Sciences (FCS) provides opportunities to develop the knowledge, skills, attitudes, and behaviors needed for:

- Strengthening the well-being of individuals and families
- Becoming responsible citizens and leaders in family, community, and work settings.
- Promoting optimal nutrition and wellness
- Balancing personal, home, family, and work lives.
- Using critical and creative thinking skills to address problems in diverse family, community, and work environments.
- Successful life management, employment, and careers development.

FCS prepares students for family work, work life, and careers by empowering individuals and families across the lifespan to manage the challenge of living and working in a diverse global society.

FOOD AND NUTRITION

6431 **CULINARY ARTS I**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Learn how to succeed in the kitchen! In Culinary Arts I, all students will learn the fundamentals of cooking and baking including kitchen and food safety, equipment usage, measurement techniques, food preparation terminology, and recipe reading all while preparing some of your favorite foods. Students will learn food preparation techniques through cooking and baking labs featuring muffins, fruits, vegetables, grains, pasta, eggs, dairy and quick snacks and meals. Students will understand the importance of healthy eating through hands-on activities, while making good nutritional food choices that will affect you now and into your future. Experience new food and taste sensations and expand your eating choices.

6432 **CULINARY ARTS II**
Prerequisite: Culinary Arts I
Grades: 10, 11, 12
Semester/.5 credit

Culinary Arts II builds on the knowledge, preparation skills and techniques learned in the Culinary Arts I. Units include advanced food preparation techniques and knife skills in side dishes, meals, desserts and snacks. Cooking and baking based labs will feature soups, salads and baking yeast breads, desserts, and more. Consumerism and meal planning focus on quick breakfast, lunch and dinner menus. Foods of the world, food sustainability (from farm to table) and resource management (time, money, energy) will also be covered. This is an excellent class for all students who want to expand their knowledge and skills related to the principles of food.

6412 FOOD SCIENCE

Prerequisite: Culinary Arts I and Physical Science (grade of C or higher)
Recommended: Culinary Arts II
Grades: 10, 11, 12
Semester/.5 credit

Interested in finding out how dough turns into cookies or why ice cream is so rich and creamy? Take Food Science to find out why. This course is intended to give you an understanding of the chemical and biological principles of different foods while learning about related careers in the food industry. Students will be actively engaged in various hands-on labs involving different food preparation techniques, nutritional composition and analysis of food, how foods are developed and processed as well as looking at the journey different foods take from farm to plate. This course counts as a .5 credit science elective.

6433 PROFESSIONAL CULINARY AND PASTRY ARTS

Prerequisite: Culinary Arts I, Culinary Arts II and Prior Teacher Approval Required
Grades: 11, 12
Semester/.5 credit

Professional Culinary and Pastry Arts expands upon skills and concepts learned in Culinary Arts I and II. Complex cooking and baking lab units include appetizers, full meal production, cake decorating and pastries, global foods and plating techniques. Studies will also include more advanced food preparation techniques, safety and sanitation, food industry procedures and equipment, menu planning, and recipe development. This course explores multiple aspects of food-related careers for students interested in a career in the world of food. Opportunities for catering school and community events may be included. The option to become ServSafe Certified is available upon request. Students must complete ServSafe curriculum and receive a passing score on the exam. This class will meet daily and may include extra learning opportunities outside the classroom.

FASHION AND INTERIOR DESIGN

6421A HOME DESIGN STUDIO I

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Do you enjoy being creative and doing hands-on projects? Here's your chance! Home Design Studio will let you explore your creativity and enrich your artistic talents. Study the basic concepts of interior design including color, line and shape to research additional design principles to use in home, fashion, design and more. In this course, you will learn how to create your own projects using design software, cricuts, sewing machines, paints and so much more. Upcycling, repurposing, distressing...the possibilities are endless. Let your imagination run wild. Pinterest will be impressed with the projects we create!

6423A ADVANCED HOME DESIGN STUDIO

Prerequisite: Home Design Studio I or Prior Teacher Approval
Grades: 10, 11, 12
Semester/.5 credit

Advanced Home Design Studio offers you a chance to expand your knowledge and creativity you gained in Pirate/Home Design Studio. In this project based class, create and implement innovative ideas in the home. Personal preferences allow for individual freedom of choice and design in whichever area you are most interested in. You will be working on individual projects throughout the semester. Students may need to supply most or all of their own project materials.

HEALTH SCIENCE OCCUPATIONS

6422 **INTRODUCTION TO HEALTH SCIENCE**
Prerequisite: None
Grades: 9, 10 11, 12
Semester/.5 credit

Introduction to Health Sciences is designed to create an awareness of the changing and demanding world of health sciences. Health sciences is an area that is growing rapidly. You will focus on exploring personal characteristics, communication, different types of health careers, cultural diversity, ethical and legal issues in healthcare, medical terminology, infection control, health care systems, along with issues in healthcare today. Healthcare professionals from the community visit and share their experiences with the class on a regular basis.

006428 **HEALTH SCIENCE CAREERS**
Prerequisite: Introduction to Health Science
Grades: 9, 10 11, 12
Semester/.5 credit

Health Science Careers is built to allow students a deeper understanding of the career offerings in the dynamic field of healthcare. Students will have the opportunity to explore career paths as a class and individually. Each career pathway has a variety of opportunities, related terminology, ethical practices, and diverse needs. The career pathways include therapeutic services, diagnostic services, support services, health informatics and biotechnology research and development. Independent and group research will allow for further exploration.

6454 **NURSING ASSISTANT OFFERED AT BELLIN COLLEGE OR NWTC**
Prerequisite: Introduction to Health Science
Grades: 11, 12
Semester/.75 credit

This course prepares students for employment as nursing assistants. Upon successful completion of the course, the student is eligible to take the Wisconsin Nursing Assistant Competency Evaluation to become certified for employment in a variety of healthcare establishments. This course is held off site at either Bellin College or NWTC outside of the regular school day; it may include some weekends. An application and additional enrollment steps are required. A course fee may apply.

HUMAN DEVELOPMENT AND FAMILY STUDIES

6448 **CHILD DEVELOPMENT: PRENATAL-3**
Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Do you love children? Child Development: Prenatal-3 offers students the opportunity to study the developing child from conception through age 3. Topics include: preparation for pregnancy and prenatal development, physical, social/emotional and cognitive development of children from birth to 3 years of age, characteristics of special needs children, and practical techniques of parenting. Students will have the opportunity to experience, plan and participate in play days, where children ages 3 and under will be invited into the classroom to PLAY!

6449 **CHILD DEVELOPMENT: 4-12**
Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Whether you plan to parent or to spend your professional days as a child psychologist, teacher, child care provider, or other related career, this is the place to start. This course emphasizes the important roles of parents, caregivers, teachers and role models to promote and guide the growth and development of children from toddlerhood through adolescence. Many learning opportunities offers students the ability to study parenting styles, discipline techniques, balance of work and the family, brain development, character education, asset building, self-concept, guidance, health and safety, and the needs of the exceptional child. Students will have the opportunity to observe and experience children that are between the ages of 4 and 12 through hands-on experiences.

EARLY CHILDHOOD

6450 **EARLY CHILDHOOD EDUCATION**
Prerequisite: Child Development (Prenatal 3 or 4-12)
Grades: 11, 12 and 17 or 18 years old
Semester/.5 credit

Are you interested in being an elementary education teacher or child care provider? This class is designed for students that are interested in exploring education-related occupations and will offer hands-on opportunities to plan, prepare and present themed educational units to children in early childhood education.

This course provides an opportunity for students wanting to seek entry level employment in group or family child care. Upon successful completion of this course, the Department of Public Instruction will award certification. The student can use certification when seeking employment as an Assistant Child Care Teacher in a child care center or for family child care. Learners explore rules and regulations governing group and family child care and the responsibilities of child care providers. Students must be in Grade 11 or 12 and 17 or 18 years old to enroll in this Department of Public Instruction approved training course. A 10-15 hour practicum in a licensed child care center is required for certification

CAREER AND LEADERSHIP DEVELOPMENT

6447 **LIFE**
Prerequisite: None
Grades: 11, 12
Semester/.5 credit

Life is going to throw you curve balls and it is important to know how to handle them. By understanding healthy relationships, learning to build your own positive character, setting up a budget plan, and developing a strong community awareness - students will learn how to enrich their own lives! Units of study include rights and responsibilities of being 18, character development, individual changes and challenges, future careers, communication, relationships and healthy living. Students will understand and practice skills that will help build and enrich their future.

6461/6462 FAMILY AND CONSUMER ED OCCUPATION CLASS

Prerequisite: Must have 18 credits earned by the end of Grade 11
Grade Point Average of 2.0 or above
Grade: 12
Year/ 1 credit

This course is specially designed for the student who has chosen Family and Community Services as a career goal. The course will focus on career opportunities, job orientation, career advancement, leadership skill building, human relations, organization, decision making, and communication skills. This course must be taken for the full year. **Application** and **Approval** from instructor are required before signing up for class. An application form can be obtained from the co-op teacher.

6141/6142 FAMILY AND CONSUMER EDUCATION CO-OP WORK EXPERIENCE

Prerequisite: Must have 18 credits earned by the end of Grade 11
Grade Point Average of 2.0 or above
Enrolled in Family and Community Services Co-op Class
Application and consent of teacher before signing up
Grade: 12
Semester or Year/.5 to 2 credits

The Family and Community Education Co-op course is designed for students who want careers in the areas of Hospitality and Tourism, Education and Training, Human Services, Health Science, and Retail. Hourly wage and high school credit are earned through this work experience opportunity.

HEALTH

5070 **HEALTH**
Prerequisite: None
Grade: 9
Semester/.5 credit

Health is a required course of all students for graduation. Instruction focuses on several areas of health: Alcohol, Tobacco and other drugs, Nutrition, Mental Health, Wellness, Stress Management, Body Systems, CPR/AED instruction, Prevention and Disease Control, Family Life including Human Growth and Development.

INTERNATIONAL BACCALAUREATE (IB) PROGRAM

The International Baccalaureate Program (IB) is an international organization helping schools world-wide create a rigorous pre-college academic program with a truly international perspective. IB stresses high academic standards and personal development throughout the core program and six subject area components:

- Extended Essay and Creativity, Action, Service (CAS): students are required to write an in-depth research essay on a topic of their choice. The essay provides students with the ability to expand their knowledge of a topic of interest while preparing them for the rigors of college writing. CAS allows for personal development outside of the classroom through community service, artistic endeavors, and athletic participation. These are not scheduled courses, but students will earn .5 credits for completing these components.
- Theory of Knowledge (TOK): the TOK class is taken over a two-year period of study and emphasizes the study of different ways of learning and the different types of knowledge.
- Subject Areas: students take six rigorous courses (one from each subject group) that emphasize critical thinking skills, effective communication methods, and a collaborative work environment while also uniquely stressing an international approach to the study of specific content areas. Students must take a minimum of three or a maximum of four High Level (HL) courses.

Bay Port's IB Diploma Program is open to all juniors and seniors who wish to challenge themselves academically.

As members of the IB Program, Bay Port students will be joining other young adults around the world in completing an extensive and comprehensive liberal arts program that will provide students with college preparatory skills such as organization, time management, and personal initiative. Additionally, IB is a respected program at colleges and universities around the world and will provide Bay Port students with an additional opportunity to earn college credit and admission to increasingly more competitive colleges and universities.

Both IB and AP classes receive weighted grading when calculating GPA at Bay Port High School.

Students do not have to complete the entire IB program. Instead, they may take both AP and IB courses to build their own individual program that best fits their own academic interests and needs. Students wanting to take individual IB courses as certificate courses may register for them as individual courses similar to registering for AP courses.

Students interested in completing the Full Diploma Program, however, should fill out an interest form available from their counselors or by seeing Mr. McAllister, IB Coordinator, in Room B206.

IB COURSES

Students in the Full Diploma Program must complete both Theory of Knowledge I and Theory of Knowledge II. Students not in the Full Diploma Program cannot take either Theory of Knowledge course.

9021A/9022A THEORY OF KNOWLEDGE I
Prerequisite: Enrollment as a full diploma candidate within the IB program
Grade: 11
Year/ 1 credit
Weighted Grading

Theory of Knowledge I is a required course for IB diploma candidates taken both semesters of junior year. Students in TOK have the opportunity to sharpen their critical thinking skills by reflecting on not only what they know, but also how they know. In TOK students are challenged to explore human knowledge, the nature of knowing, the processes involved in learning, and to consider the role which knowledge plays in an evolving global society. Through seminar, classroom discussion, debates, forums, and individual and group research, students will explore knowledge through various disciplines.

9021B THEORY OF KNOWLEDGE II
Prerequisite: Enrollment as a full diploma candidate within the IB program and successful completion of Theory of Knowledge I
Grade: 12
Semester/.5 credit
Weighted Grading

Theory of Knowledge II is a semester-long continuation of Theory of Knowledge I taken the first semester of senior year. Theory of Knowledge II applies what students have learned, focusing more on the question of what they can do with the knowledge that they have. Areas of emphasis will be any remaining areas of knowledge not covered in the previous class, the quest for ultimate truth, and how knowledge unites the world. IB required assessment includes a formal essay on a prescribed topic.

Group 1: Studies in Language and Literature

Students in the Full Diploma Program must complete both IB English HL I and IB English HL II

9031A/9032A IB ENGLISH HL I
Prerequisite: Successful completion of 100 and 200 level Language Arts courses
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

In Year 1 of this two-year course, delve into the art of literature and explore the complexity of humanity as exposed through fiction and memoir. Participate in collaborative student-led discussion activities that lead to an individualized analysis of a work. Showcase knowledge, understanding, and interpretation through personalized choice in products. Closely analyze six novels and selected poetry and learn a variety of close literary analysis, academic writing, verbal presentation, and inquiry-based research, strategies to prepare for IB-required assessments in Year 2. Student-inquiry and independent creative and critical thinkers drive the success of the course. *Fulfills requirement for Global Ed. Certificate

9031B/9032B IB ENGLISH HL II
Prerequisite: IB English HL I
Grade: 12
Year/ 1 credit
Weighted Grading

In Year 2 of this two-year course, continue to closely read and study literary genres (poetry, prose, novel, and drama) and develop convincing and persuasive interpretations in relation to global issues. Build an individualized approach and a thorough and nuanced understanding of how and to what effect authorial choices are used. Participate in student-led discussions and activities that will help to prepare for IB-required assessments such as the 15-minute recorded Individual Oral, a 1,500 word Analysis Essay, and externally assessed Paper 1 and Paper 2 timed-essay exams. *Fulfills requirement for Global Ed. Certificate

Group 2: Language Acquisition

Students in the Full Diploma Program must complete a two-year World Language cycle (IB French B SL/HL I and IB French B SL/HL II OR IB German B SL/HL I and IB German B SL/HL II OR IB Spanish B SL/HL I and IB Spanish B SL/HL II).

9041A/9042A IB FRENCH B SL/HL I
Prerequisite: Successful completion of French III
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB French is a two-year course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the first year of the course. The objective is to help students progress in the French proficiency language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and language concepts. Students will foster a sensitivity and open-mindedness to various cultural aspects of the French speaking world. The IB exam is taken in May of the second year of IB French. Successful completion of this course is required to enroll in IB French II where students will have the opportunity to earn college credits from UWGB. Students who chose to test may earn college credits for taking this course.

9041B/9042B IB FRENCH B SL/HL II
Prerequisite: Successful completion of IB French I
Grade: 12
Year/ 1 credit
Weighted Grading

IB French is a two-year course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the second year of the course. The objective is to help students progress in the French proficiency language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and language concepts. Students will foster sensitivity and open mindedness to various cultural aspects of the French speaking world. The internal assessments will be completed in February and March and the IB exam is taken in May. The exam will consist of both an oral test and written test. The IB exam is optional. IB French II is a College Credit in High School course with UWGB. Students who choose to enroll will earn 11 retro-active credits and 3 French credits on an official UWGB transcript. These credits are offered to students at a significant discount and are transferable to other universities upon graduation. Students who chose to test may earn college credits for taking this course.

9051A/9052A IB GERMAN B SL/HL I

Prerequisite: Successful completion of German III
Grade: 11,12 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB German is a two-year course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the first year of the course. The objective is to help students progress in German proficiency in the primary language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and student involvement in the discovery of language concepts.
The students will be assessed via language, cultural interaction, and message. In the language component, students will learn to navigate the language system, both written and oral, with increasing accuracy. Students will discover cultural interactions using a variety of authentic resources such as texts, media, technology, and realia. As a result, they will learn to select language that is appropriate to the cultural and social context. Students will show appropriate communication and organization of ideas in order to convey their message. Through the exploration of these areas of study students will foster a sensitivity and open-mindedness to various cultural aspects of the German speaking world. The IB exam will be taken in May of the second year. Successful completion of this course is required to enroll in IB German II where students will have the opportunity to earn college credits from UWGB. Students who chose to test may earn college credits for taking this course.

9051B/9052B IB GERMAN B SL/HL II

Prerequisite: Successful completion of IB German I
Grade: 12
Year/ 1 credit
Weighted Grading

IB German II is a continuation of IB German I and is the second year of the program. It is designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the second year of the course. The objective is to help students progress in German proficiency in the primary language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and student involvement in the discovery of language concepts.
The students will be assessed via language, cultural interaction, and message. In the language component, students will learn to navigate the language system, both written and oral, with increasing accuracy. Students will discover cultural interactions using a variety of authentic resources such as texts, media, technology, and realia. As a result they will learn to select language that is appropriate to the cultural and social context. Students will show appropriate communication and organization of ideas in order to convey their message. Through the exploration of these areas of study students will foster sensitivity and open mindedness to various cultural aspects of the German speaking world. The internal assessments will be completed in February and March and the IB exam will be taken in May. The IB exam is optional. IB German II is a College Credit in High School course with UWGB. Students who choose to enroll will earn 11 retro-active credits and 3 German credits on an official UWGB transcript. These credits are offered to students at a significant discount and are transferable to other universities upon graduation. Students who chose to test may earn college credits for taking this course.

9061A/9062B IB SPANISH B SL/HL I

Prerequisite: Successful completion of Spanish 3 (successful completion of Advanced Spanish III is recommended but not required)
Grade: 11 (This is a two-year course covering junior and senior year)
Year/ 1 credit
Weighted Grading

IB Spanish is a two-year project based learning course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). The course is taught immersion style, but some English will be used in the class to learn difficult concepts. This is the first year of the course. The objective is to help students progress in the Spanish proficiency language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, literature and authentic communication. Students will learn about the presence of Spanish in our community and "travel" to Spain to foster a sensitivity and open-mindedness to cultural aspects of the Spanish speaking world. The IB exam is optional and will be taken in May of the second year of IB Spanish. Successful completion of this course is required to enroll in IB Spanish II where students will have the opportunity to earn college credits from UWGB.

9061C/9062D IB SPANISH SL II
9061D/9062E IB SPANISH HL II

Prerequisite: Successful completion of IB Spanish 1
Grade: 12
Year/ 1 credit
Weighted Grading

IB Spanish is a two-year project based learning course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). The course is taught immersion style. This is the second year of the course and very little English will be used in the class. The objective is to help students progress in the Spanish proficiency language skills of listening, reading, writing, and speaking. This year we will "travel" to Costa Rica and all students will read an authentic novel in Spanish. There will be emphasis on cultural awareness and interpersonal communication as students participate in video conferences with native speakers in real world situations via TalkAbroad. The IB internal assessments will be completed in spring and the IB exam is taken in May. The IB exam is optional. IB Spanish II is a College Credit in High School course with UWGB. Students who choose to enroll will earn 11 retro-active credits and 3 Spanish credits on an official UWGB transcript. These credits are offered to students at a significant discount and are transferable to other universities upon graduation.

Group 3: Individuals and Societies

Students in the Full Diploma Program must complete both IB History HL I and IB History HL II
IB Psychology SL may be completed as a Group 6 elective.

9071A/9072A IB HISTORY HL I

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History and Survey of US History OR AP US History
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB History HL is a two-year, in-depth study of 20th Century World History for juniors who have successfully completed introductory coursework in the study of history and have the necessary reading and writing skills to accurately apply to the study of history. Students entering this course should understand that this is a rigorous two-year program that will focus on introducing important historical concepts through the critical analysis of both primary and secondary sources. IB History HL I will emphasize global history including the rise of authoritarian dictatorships, independence movements or the causes/practices/effects of war, and humanitarian crises in Europe and Africa

9071B/9072B IB HISTORY HL II

Prerequisite: Successful completion of IB History HL I
Grade: 12
Year/ 1 credit
Weighted Grading

IB History HL II is a continuation of IB History HL I. Year II of IB History HL will emphasize developments in the Americas, including the emergence of the Americas in global affairs, the Great Depression, World War II, the Cold War and civil rights and social movements. This course also aims to continue building upon student skills as an independent learner and their skills as an historian to prepare them for successful completion of the historical investigation and the three written examinations in May.

9081A/9082A IB PSYCHOLOGY SL

Prerequisite: Successful completion of 100 and 200 level Social Studies courses.
Grades: 11, 12
Year/ 1 credit
Weighted Grading

Psychology is the scientific study of behavior and mental processes. IB psychology will focus on an in depth understanding of human behavior and the interaction of the biological, cognitive, and sociocultural influences on human behavior. An understanding of psychological knowledge will enable students to better understand themselves and appreciate individual differences in others. Students will explore research methods, the application of research to better understand modern society, and the impact of research in regards to ethics. Interpersonal skills will be developed that will allow students to communicate more effectively with those around them. International mindedness will be a consistent theme as we develop a better understanding of diversity and empathy for those outside our own culture. Cultural and individual differences will be explored throughout the course by comparing research and people from around the world. IB required assessments will include two major external an internal assessment involving a significant experimental study. All three assessments will look for knowledge and comprehension of specified content as well as an overall usage of skills appropriate to psychology.

Group 4: Experimental Sciences

Students in the Full Diploma Program must complete IB Biology HL I and IB Biology HL II

9091A/9092A IB BIOLOGY HL I

Prerequisite: Successful completion of Physical Science (B or better), Biology and Chemistry.
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB Biology HL I is an intensive science course which emphasizes basic biochemistry, cell structure and function, genetics, and botany. The IB student will become a "scientist" by researching core concepts in biology, using inquiry to formulate critical questions, applying scientific methodology to those questions, and communicating findings to others using appropriate scientific vocabulary and information technology. Internationalism is a strong focus of this course as students will explore the international perspectives of various environmental, social and ethical issues in the area of biology. Instruction is student-centered with cooperative learning and self-evaluation opportunities. Student learning will occur through readings, lectures, class discussions, activities and laboratory investigations.

9091B/9092B IB BIOLOGY HL II

Prerequisite: IB Biology HL I
Grade: 12
Year/ 1 credit
Weighted Grading

IB Biology HL II is a continuation of IB Biology HL I. Human physiology and nutrition, ecology, and evolution will be researched using the same methods as IB Biology HL I. Internationalism will continue to be an integral part of this course as students continue to realize the global impact of biology. Students will complete all IB required assessments in this course. These include a Group 4 interdisciplinary project, internal assessment, and three external assessments.

Group 5: Mathematics and Computer Science

Students in the Full Diploma Program must complete IB Mathematics Year 1: Core Topics and IB Mathematics: Applications and Interpretations (Year 2) OR IB Mathematics: Analysis and Approaches (Year 2)

9211E/9212E IB MATHEMATICS Year 1 CORE TOPICS

Prerequisite: Successful completion of Geometry
A Graphing calculator (TI-84 Plus) is required
Grade: 11
Year/ 1 credit
Weighted Grading

Students will study 5 core topics of IB mathematics throughout the year to prepare them for the consecutive IB Math course of Applications & Interpretations OR Analysis & Approaches. The core topics include the following: number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The course is designed for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will explore real and abstract applications, sometimes with technology, and will enjoy the thrill of mathematical problem solving and generalization.

9213A/9214A IB MATHEMATICS Year 2 APPLICATIONS AND INTERPRETATIONS SL

Prerequisite: IB Mathematics Year 1: Core Topics or at least successful completion of Algebra 2. A Graphing calculator (TI-84 Plus) is required
Grade: 11, 12
Year/ 1 credit
Weighted Grading

Applications and Interpretations SL is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. This subject is aimed at students who will go on to study subjects such as social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example.

9215A/9216A IB MATHEMATICS Year 2 ANALYSIS AND APPROACHES SL

Prerequisite: IB Mathematics Year 1: Core Topics or at least successful completion of Algebra 2
A Graphing calculator (TI-84 Plus) is required
Grade: 11, 12
Year/ 1 credit
Weighted Grading

Analysis and Approaches at SL is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or economics for example.

Group 6: The Arts/Electives

Students in the Full Diploma Program may complete IB Visual Arts SL/HL I and IB Visual Arts SL/HL II to complete the Group 6 requirements. Students may also take IB Psychology SL in place of Visual Arts to complete the Group 6 requirements.

9316A/9316B IB VISUAL ARTS SL I

Prerequisite: Art 1 or with Art Dept. Approval
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB Visual Arts SL I is an in-depth, advanced study in the visual arts. This course emphasizes the study and research of art concepts, critical analysis, and topical investigation in the visual arts. Students will explore a variety of media related to sculpture, drawing, painting, mixed media, ceramics, art metals, and/or photography. Studio work produced will be based on visual and written investigation.

9316C/9316D IB VISUAL ARTS SL II

Prerequisite: IB Visual Arts SL I
Grade: 12
Year/ 1 credit
Weighted Grading

Year two allows IB Visual Arts students the freedom and responsibility to develop their own body of work. Requirements include the development of themes, made up of multiple pieces of art that explore, in different ways, a common subject or concept. The goal is to develop a portfolio of studio and written work that, when combined with work from year one, encompasses two years worth of artistic development.

9317A/9317B IB VISUAL ARTS HL I

Prerequisite: Art 1 or with Art Department Approval
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB Visual Arts HL I is an in-depth, advanced study in the visual arts. This course emphasizes studio work allowing students to explore a variety of media related to sculpture, painting, drawing, mixed media, ceramics, art metals, and/or photography. Students will build on prior experiences while developing and using new skills, techniques, and ideas. Additional investigation into artistic concepts, critical analysis, and historical research will be expected. Students will ultimately produce a large body of in-depth work to be assessed.

9317C/9317D IB VISUAL ARTS HL II

Prerequisite: IB Visual Arts HL I
Grade: 12
Year/ 1 credit
Weighted Grading

Year two allows IB Visual Arts students the freedom and responsibility to develop their own body of work. Requirements include the development of themes, made up of multiple pieces of art that explore, in different ways, a common subject or concept. The goal is to develop a portfolio of studio and written work that, when combined with work from year one, encompasses two years' worth of artistic development. Students in HL will be required to complete a larger body of work and more in-depth analysis into art making.

CAS PROGRAMME EXTENDED ESSAY AS PART OF INTERNATIONAL BACCALAUREATE DIPLOMA

Prerequisite: Requirement of the full diploma IB candidates.
Grades: 11, 12
.5 credit upon completion of hours/completion of the Extended Essay; ungraded; does not count in GPA

Diploma students in the International Baccalaureate Program are required to complete the CAS Program. This involves completion of approximately 18 months of activities with emphasis on and balance between creativity, activity and service.

Creativity, activity, service (CAS) should involve:

- **real purposeful activities, with significant outcomes**
- **personal challenge – tasks must extend the student and be achievable in scope**
- **thoughtful consideration, such as planning, reviewing progress, reporting**
- **reflection on outcomes and personal learning**

The emphasis is on learning by doing real tasks that have real consequences and then reflecting on these experiences over time. The students will see real world applications of the CAS Program's seven learning outcomes.

Students must also complete a 4000-word Extended Essay on a topic of their choice. The Extended Essay is started in the fall of the junior year and is completed in the fall of the senior year and is written in conjunction with Theory of Knowledge I and II.

ENGLISH LANGUAGE ARTS (4 credits required)

The English Language Arts (ELA) program at Bay Port High School includes a sequence of courses designed to give learners mastery of the ELA discipline necessary for success in college and career in the areas of reading, writing, speaking, listening, language, and media literacy. Such exploration will guide students on their paths to becoming globally cognizant and engaged citizens who reflect upon and analyze the ideas of others and effectively communicate their own. The department will establish classroom environments and learning experiences which foster traits of the HSSD Graduate Profile.

Students are required to take four years (four credits) of English Language Arts classes to fulfill the graduation requirements and must be enrolled in English Language Arts courses every year of high school. Students should choose elective courses that are relevant to post-high school goals.

Freshmen enroll in the following two semester-long courses: WRITING and LITERATURE.

1063A **WRITING**
Grade: 9
Semester/.5 credit

Study mentor texts of master writers and apply strategies to written products with consideration to audience, purpose, format, and task. Participate in peer and teacher conferencing and workshop through multiple states in the revision process. Study and practice the inner workings of the English language including grammar, usage, and mechanics and build skills in researching academic sources, evaluating and citing online sources, and synthesizing information to persuade and inform. Throughout the semester, produce a collection of work within narrative, expository, persuasive, and business modes.

1027B **LITERATURE**
Grade: 9
Semester/.5 credit

Examine differences in poetry, prose fiction, and drama. Refine close reading skills to analyze a work and communicate interpretations through short written responses. Develop an ability to pose critical questions, think reflexively about their interpretations, and situate their claims in relation to other interpretations, so that they become more deliberate, careful readers, critically self-aware of their own processes of interpretation.

Sophomores (and Academy Freshmen) enroll in the following two semester-long courses: LITERARY ANALYSIS and SPEECH. Sophomores may also enroll in JOURNALISM 1 as an elective in addition to core.

1061A **LITERARY ANALYSIS**
Prerequisite: Grade 10 or Summer Academy 9
Grades: (Academy 9), 10
Semester/.5 credit

Communicate deep analysis of poetry, prose, and drama through a variety of written, oral, and choice project responses. Actively seek multiple perspectives, ask critical thinking questions, reflect on interpretations, and support claims using textual evidence. Synthesize ideas and justify reasoning about literature as it applies to the self, another text, and to life.

1060A **SPEECH**
Prerequisite: Grade 10 or Summer Academy 9
Grades: (Academy 9), 10
Semester/.5 credit

Learn writing and speaking techniques geared for public speaking and presenting while also developing confidence. Create digital presentation tools to accompany delivery. Learn to modify speaking techniques according to audience, purpose, and task in various modes. Study communication--conversing, listening, problem solving--in order to improve relationships and professional success.

Juniors and seniors (and Academy sophomores) choose from any of the following courses, adhering to grade requirements or prerequisites explained in course descriptions.

1066A **COLLEGE AND CAREER WRITING**
Grades: (Academy 10), 11
Semester/.5 credit

Study mentor texts from a variety of disciplines to develop skills in writing and rhetoric. Write with a focus on audience, style, voice, form, process, and practice. Units of study include writing a resume, college application essay, and cover letter. Engage in personalized preparation for the English, writing, and reading sections of the ACT.

1065A **CREATIVE WRITING**
Grades: (Academy 10), 11, 12
Semester/.5 credit

Read to understand why and how writers make choices that impact readers. Participate in independent and collaborative activities that foster creativity as it applies to everyday problem-solving in students' relationships, personal growth, and school or career endeavors. Curate personal sources of inspiration, and experiment with storytelling, workshop, and revision strategies. Apply skills to generate products in genres such as song fiction, flash fiction, world building, and student options.

1064 **CREATIVE WRITING (ONLINE / ASYNCHRONOUS)**
Grades: (Academy 10), 11, 12
Semester/.5 credit

Read to understand why and how writers make choices that impact readers. Participate in independent and collaborative activities that foster creativity as it applies to everyday problem-solving in students' relationships, personal growth, and school or career endeavors. Curate personal sources of inspiration, and experiment with storytelling, workshop, and revision strategies. Apply skills to generate products in genres such as song fiction, flash fiction, world building, and student options. **Students who enroll in the online course must have demonstrated success in an online learning environment as instruction will be delivered through self-paced virtual modules.**

01090B **JOURNALISM 1**
Grades: (Academy 10), 11, 12
Grade 10 students may take Journalism 1 as an elective **in addition** to their core choices
Semester/.5 credit

Develop foundational skills for the newspaper and yearbook process including research, writing, editing, photography, interviewing, and reporting. Study the foundations, ethics, laws, and the rights of journalists in a democracy. Readings include professional reporting articles and selections from *The Radical Write*. This class is a prerequisite for Journalism 2.

01095B/01096B JOURNALISM 2 NEWSPAPER

Prerequisite: Journalism 1
Grades: 11, 12
Year/1 credit

Develop skills in all aspects of the newspaper process including writing, editing, photography, web design, social media management, advertisement sales, layout design, and production of Portside, the official student news of Bay Port High School. Make editorial decisions concerning the content of the paper. Collaboratively write editorials and articles. Develop leadership skills by coaching staff members. Exercise journalistic ethics, First Amendment rights, Associated Press style guidelines, and adherence to deadlines. Required readings include *The Art of Journalism*, *The Radical Write*, and independent book studies related to professionals in the field of journalism.

01191A/01192A JOURNALISM 2 PUBLICATIONS

Prerequisite: Students are encouraged to have experience with Journalism 1, Photography, Digital Marketing, Graphic Production, Business. Application with Instructor Approval before enrollment
Grades: 11, 12
Year/ 1 credit elective

Develop skills in all aspects of the publications process including writing, editing, photography, graphic design, film production, and advertising and then conceptualize and publish the award-winning annual high school yearbook and an annual Literary Magazine. Additionally, coordinate a school-wide winter reading event and a school-wide spring Literary Arts Festival. Required readings include *Scholastic Yearbook Fundamentals*, *The Radical Write*, books by Austin Kleon, and independent readings related to professionals in the field of journalism and publication.
https://forms.gle/SjAuNpVfRTrNwpxC7

1101A AMERICAN LITERATURE

Grades: (Academy 10), 11, 12
Semester/.5 credit

Discover the literary evolution of our nation's writers shaped by America's fierce independence, its search for identity, its wars, and its social and cultural movements. Examine early American works, trace the evolution of poetry and stories that reflected the wars and events of the 20th century. Shed light on the human side of history by exploring the philosophies and the culture of our American roots.

1100A BRITISH LITERATURE

Grades: (Academy 10), 11, 12
Semester/.5 credit

Study major works beginning with the first recorded example of British Literature, the Anglo-Saxon epic poem *Beowulf*. Continue examining pieces from each of the British literary time periods, reading such major works as Chaucer's The Canterbury Tales, Shakespeare's comedies, Austen's Pride and Prejudice, Shelley's Frankenstein, and Bronte's Jane Eyre. Develop their analytical writing skills with an introduction to literary criticism. Provides excellent background for required college English and humanities courses and sheds light on the human side of history by exploring the philosophies and the culture of English ancestors.

1180A MULTICULTURAL LITERATURE

Grades: (Academy 10), 11, 12
Semester/.5 credit

Examine a range of multicultural literature, paying specific attention to the ways in which race, class, gender and sexuality affect various constructions of a literary "self." Grapple with and engage in extensive discussions in relation to circumstances that may have guided such literary productions. Be prepared to read six major novels and shorter works, and write various analytic reflections to gain an understanding, acceptance, and appreciation of the racial and ethnic diversity of various cultures.

01181B TOPICS IN LITERATURE
Grade: (Academy 10), 11, 12
Semester/.5 credit FALL ONLY

Explore a selected theme, such as America in the 1960s or World War II, to increase knowledge and refine skills in effective reading, writing, and speaking. Sharpen close reading and critical thinking skills on the year's theme along with short essays, stories, and poems. Practice effective listening and speaking skills to build proficiency both in and outside the classroom. Academic Decathlon is a team consisting of three "A" (honor), three "B" (scholastic), and three "C or below" (varsity) students. Class members selected for the team participate in ten events by completing written tests, writing an essay, delivering a prepared and an impromptu speech, and participating in an interview. Academic Decathlon is the ultimate college preparation experience for students at all academic levels.

1070B DRAMATIC LITERATURE
Grades: (Academy 10), 11, 12
Semester/.5 credit

Read, evaluate, and analyze plays as a genre to gain an understanding of its influence and importance. Gain foundational knowledge of dramatic elements such as plot, characterization, dialogue, thought, music, and spectacle. Focus on what makes Drama different from other literary genres. Enhance skills and experiences as readers, audience members, and potential practitioners of theater. There is no performance element to this course.

1110A COMPARATIVE MYTHOLOGY
Grades: (Academy 10), 11, 12
Semester/.5 credit

Explore the various origins of humanity and its future by focusing on universal patterns and similar aspects within Egyptian, Greek, Norse, Mayan, and other myth stories. Understand recurring themes in myth, including heroism, villainy, war, love, and death. Track these patterns across time to relate them to a personal quest for identity. Examine modern myths found in various areas of popular culture such as comic books, television, and film.
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1171A/1172A ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION
Grades: (Academy 10), 11, 12
Year/ 1 credit
Weighted Grading

This course is recommended for college-bound students who possess a strong interest in the reading, discussion, and analysis of nonfiction, especially in the rhetoric of composition. Students will learn and practice many skills including but not limited to summarizing, analyzing, quoting, synthesizing, and citing secondary source material. Students enrolling in this course should possess a strong interest in writing analytical and persuasive pieces, with an emphasis on the writing process. AP English Language and Composition is taught at the college level and contains a substantial writing component in addition to its reading requirements. Although taking the College Board exam at the end of the course is not required, it is strongly encouraged, and AP practice exercises will be given.

1161A/1162A ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION
Grades: (Academy 10), 11, 12
Year/ 1 credit
Weighted Grading

This course is recommended for college-bound students or others who possess a strong interest in the close reading, discussion, and analysis of quality literature, classic to contemporary. Students will work with several genres of literature including poetry, drama, and fiction. AP English Literature and Composition is taught at the college level and contains a strong writing component in addition to the reading requirements. Although taking the College Board test at the end of the course is not required, it is strongly encouraged, and AP practice exercises will be given. The skills taught and honed in the course are suitable practice for future success in all academic pursuits and have been said to aid past students in any course of study pursued.

9031A/9032A IB ENGLISH LITERATURE HIGH LEVEL I

Grade: 11 (This is the first year of a two-year course.)
Year/ 1 credit
Weighted Grading

In Year 1 of this two-year course, delve into the art of literature and explore the complexity of humanity as exposed through fiction and memoir. Participate in collaborative student-led discussion activities that lead to an individualized analysis of a work. Showcase knowledge, understanding, and interpretation through personalized choice in products. Closely analyze six novels and selected poetry and learn a variety of close literary analysis, academic writing, verbal presentation, and inquiry-based research. strategies to prepare for IB-required assessments in Year 2. Student-inquiry and independent creative and critical thinkers drive the success of the course. **Fulfills requirement for Global Ed. Certificate*

9031B/9032B IB ENGLISH LITERATURE HIGH LEVEL II

Prerequisite: IB English Literature High Level I
Grade: 12 (This is the second year of a two-year course.)
Year/ 1 credit
Weighted Grading

In Year 2 of this two-year course, continue to closely read and study literary genres (poetry, prose, novel, and drama) and develop convincing and persuasive interpretations in relation to global issues. Build an individualized approach and a thorough and nuanced understanding of how and to what effect authorial choices are used. Participate in student-led discussions and activities that will help to prepare for IB-required assessments such as the 15-minute recorded Individual Oral, a 1,500-word Analysis Essay, and externally assessed Paper 1 and Paper 2 timed-essay exams. **Fulfills requirement for Global Ed. Certificate*

1051D/1052D ENGLISH LANGUAGE ARTS 4 CAPSTONE (ONLINE / ASYNCHRONOUS)

Grade: 12
Year/ 1 credit

During Semester 1, read, watch, and respond to material focused on skills in productive habits, personal philosophy, and reading, writing, and research skills. During Semester 2, independently take responsibility for learning to research a topic, compile findings, and implement a plan to demonstrate mastery of learning in a personalized way, possibly within an exhibition to peers, teachers, and the community. Conceptualize, explore, and implement ideas within personal lives and within and beyond the scope of the school. Enrollment in the online course must have demonstrated success in an online learning environment as instruction will be delivered through self-paced virtual modules.

1051B/1052B ENGLISH LANGUAGE ARTS 4 CAPSTONE

Grade: 12
Year/ 1 credit

During Semester 1, read, watch, and respond to material focused on skills in productive habits, personal philosophy, and reading, writing, and research skills. During Semester 2, independently take responsibility for learning to research a topic, compile findings, and implement a plan to demonstrate mastery of learning in a personalized way, possibly within an exhibition to peers, teachers, and the community. Conceptualize, explore, and implement ideas within personal lives and within and beyond the scope of the school.

1170A **ORAL / INTERPERSONAL COMMUNICATIONS (NWTC)**

Grade: 12
Semester/.5 credit

Oral/Interpersonal Communication: This course provides the learner with the opportunity to develop the knowledge, skills, process, and understanding of the communication process, listening, identity, perception, verbal and nonverbal communication, diversity, conflict, group interaction, and presentations. This course is a transcribed course through Northeast Wisconsin Technical College (NWTC).

1170D **ENGLISH COMPOSITION (NWTC)**

Prerequisite: Must be a senior
Grade: 12
Semester/.5 credit

Learners develop knowledge/skills in planning, organizing, writing, and editing. They will also analyze audience/purpose, use elements of research, format documents using standard guidelines, and develop critical reading skills. This course is a transcribed course through Northeast Wisconsin Technical College (NWTC).

MATHEMATICS

The understanding of mathematics is important for each citizen as everyday functions become more complex. Solving mathematical problems challenges students to apply their understanding in a new or complex situation, to exercise their basic skills, and to see mathematics as a way of finding answers to the problems they encounter in and outside the classroom. Students become better mathematicians through practice of the skills used in class, thus daily students will be asked to complete problems to show their progress and understanding.

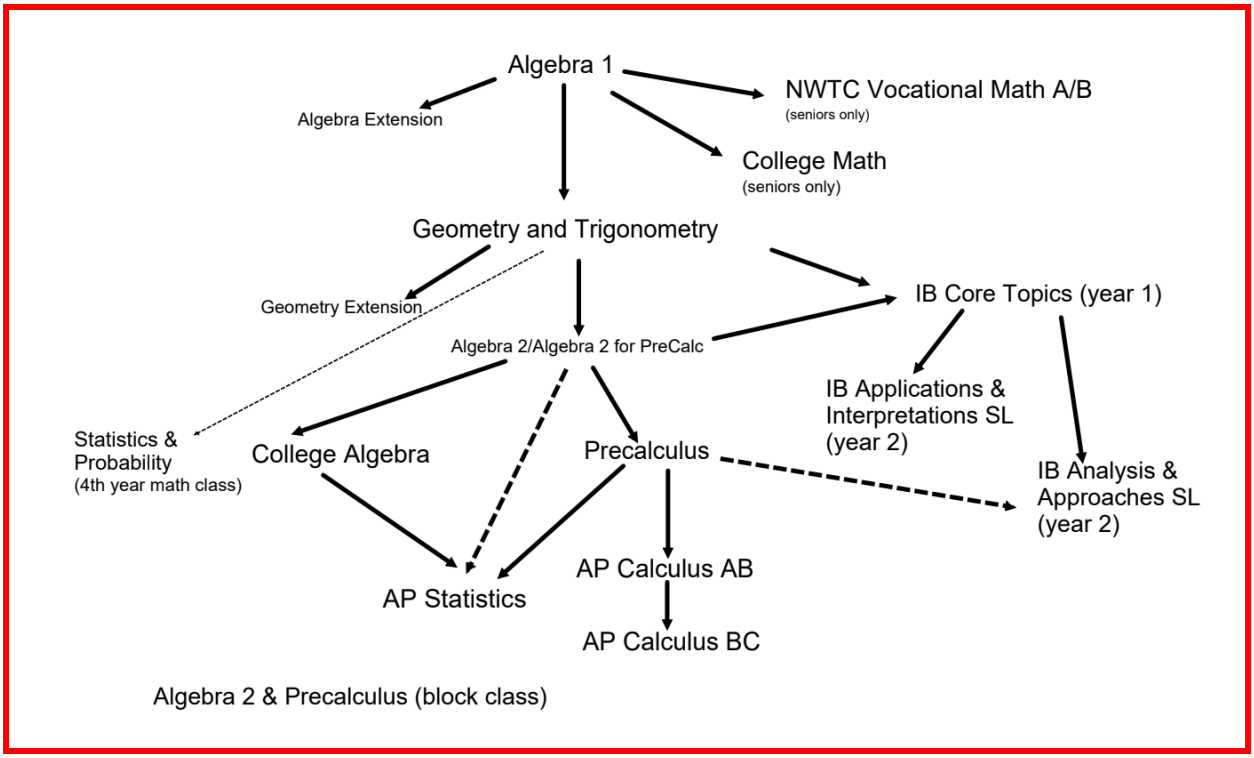
IMPORTANT NOTES AND RECOMMENDATIONS

Howard Suamico School District requires three (3) credits of math for high school graduation.
Students anticipating a post-high school education (4-year college, 2-year college, technical college), it is our recommendation that they take a course structure through Algebra 2.

It is the philosophy of the Math Department that a calculator is one of the many tools available to today's math students, however, as with any tool, the student must learn not only how to use it, but when to use it. The instructor of each course is responsible for helping students to identify when a calculator is an appropriate tool for the problem at hand, and when it is not. Even for a course that requires a calculator, there may be topics where its use will not be allowed.

In our class sequence, a scientific calculator is required for Algebra through Geometry.

A graphing calculator is recommended in the following courses, with the recommended calculator listed:
Algebra 2, IB Core Topics, IB Applications & Interpretations, IB Analysis & Approaches. TI-84 is recommended. (The **TI-89** graphing calculator is prohibited on IB exams). AP Stats and AP Calculus: TI-89 recommended, but TI 84 Plus is acceptable.



Summer Academy:

ALGEBRA 1:
Grades: 9, 10, 11, 12
Year/ 1 credit

Algebra is the language of mathematics. Through the use of variables and functions, mathematical models can be built which are essential to personal, scientific, economic, social, medical, artistic, and civic fields of inquiry. In Algebra 1 the student will discover, describe, and generalize simple and complex patterns and relationships. Algebra 1 provides the fundamental mathematical background for more advanced courses in mathematics. The course consists of three main topics: (1) Solving equations and inequalities, (2) the arithmetic of polynomials, and (3) graphing. Any calculator may be used with teacher consent.

ACCELERATED GEOMETRY AND TRIGONOMETRY
Prerequisite: Open to students who have completed Algebra 1
* A scientific calculator is required.
Grade 9-12

Geometry is a study of figures and deductive thinking with an introduction to basic trigonometry. Geometry and Trigonometry meets the prerequisite for Algebra 2.

School Year:

3061/3062 ALGEBRA 1
Prerequisite: None
Grades: 9, 10, 11, 12
Year/ 1 credit

Algebra is the language of mathematics. Through the use of variables and functions, mathematical models can be built which are essential to personal, scientific, economic, social, medical, artistic, and civic fields of inquiry. In Algebra 1 the student will discover, describe, and generalize simple and complex patterns and relationships. Algebra 1 provides the fundamental mathematical background for more advanced courses in mathematics. The course consists of three main topics: (1) Solving equations and inequalities, (2) the arithmetic of polynomials, and (3) graphing. Any calculator may be used with teacher consent.

3065/3066 ALGEBRA EXTENSION
Prerequisite: concurrent enrollment in Algebra 1
Grades: 9, 10, 11, 12
Year/ 1 credit

Algebra Extension is a course to be enrolled in concurrently with Algebra 1. The intention of the course is to offer a support system for students. The course will consist of review and preview of the concepts of Algebra 1. This course counts as an elective and not math credit.

3081/3082 GEOMETRY AND TRIGONOMETRY
Prerequisite: successful completion Algebra 1
*A scientific calculator is required.
Grades: 9, 10, 11, 12
Year/ 1 credit

Geometry is a study of figures and deductive thinking with an introduction to basic trigonometry. Geometry and Trigonometry meets the prerequisite for Algebra 2.

3085/3086 GEOMETRY AND TRIGONOMETRY EXTENSIONS

Prerequisite: concurrent enrollment in Geometry
Grades 9, 10, 11, 12
Year / 1 credit

Geometry Extension is a course to be enrolled in concurrently with Geometry. The intention of the course is to offer a support system for the students. Students should conference with their teachers about enrolling in the course. The course will consist of a review and preview of the concepts of Geometry. This course counts as an elective and not a math credit.

3101/3102 ALGEBRA 2

Prerequisite: Algebra 1 and Geometry and Trigonometry
*A Texas Instruments graphing calculator is recommended, the TI-84 Plus.
See above information about the calculators used in other classes.
Grades: 9, 10, 11, 12
Year/ 1 credit

Algebra 2 is a companion course to Algebra 1 and has similar aims. After a review of basic material from earlier work in Algebra, students study polynomial functions, graphing transformations, complex numbers, logarithms and exponents, and trigonometry

3101A/3102A ALGEBRA 2 EXTENSIONS

Prerequisite: None
Grades: 10, 11, 12
Year/ 1 Credit

Algebra 2 Extension is a course to be enrolled in concurrently with Algebra 2. The intention of the course is to offer a support system for students. Students should conference with their teachers about enrolling in the course. The course will consist of review and preview of the concepts of Algebra 2. This course counts as an elective and not a math credit.

3103A/3104A ALGEBRA 2 FOR PRECALCULUS

Prerequisite: Algebra 1 and Geometry and Trigonometry
*A Texas Instruments graphing calculator is recommended, the TI 84 Plus
Grades: 9, 10, 11, 12
Year/ 1 credit

Algebra 2 is a companion course to Algebra 1 and has similar aims. After a review of basic material from earlier work in Algebra students study polynomial functions, graphing transformations, complex numbers, logarithms and exponents and trigonometry. This course is intended for students who will proceed to take Precalcus after Algebra 2. It will be a more depth study of the Algebra 2 concepts in preparation for Precalculus.
This course is intended for students who will proceed to take Precalculus after Algebra 2. It will be a more in-depth study of the Algebra 2 concepts in preparation for Precalculus.

3103/3104 ALGEBRA 2 and PRECALCULUS

Prerequisite: Algebra 1 and Geometry and Trigonometry
*A Texas Instruments graphing calculator is recommended, the TI-84 Plus
See above information about the calculators used in other classes.
Grades 9, 10, 11, 12
Year/2 credit

This will be a block class, containing the content from both Algebra 2 and Precalculus, throughout the entire school year.
Algebra 2 is a companion course to Algebra 1 and has similar aims. After a review of basic material from earlier work in Algebra, students study polynomial functions, graphing transformations, complex numbers, logarithms and exponents, and trigonometry. For best results, the mathematics department recommends a grade of B or better to go on to Precalculus. Precalculus is designed to prepare students to take a college level calculus course. Topics include probability, polynomial equations, graphing, exponents, logarithms, trigonometry, conics, sequences, and series.

3071/3072 PROBABILITY AND STATISTICS

Prerequisite: completion of Algebra and Geometry
*A graphing calculator is required
Grades: 11,12
Year/ 1 credit

This course is a fourth math course option for students who have successfully completed Algebra 1 and Geometry. This course provides students the opportunity to study up-to-date statistical topics and techniques that will prepare them for success in post-secondary careers and statistics courses. Activities will involve students in collecting, displaying and interpreting data. Students will use graphing calculators and/or computer software to solve problems and produce charts and graphs. This course includes the following topics: design of a statistical study; collection, organization, display, and interpretation of data; basic statistical methods of summarizing and analyzing data; probability (simple, compound and conditional); random variables (binomial, normal and t-distributions); sampling distributions; introductory inference techniques (intervals and hypothesis tests); and combinations and permutations (Fundamental Counting Principle). This course uses a graphing calculator and other graphing utilities

3073/3074 ADVANCED PLACEMENT STATISTICS

Prerequisite: Open to students who have completed Algebra 2
*A Graphing calculator is required.
Grades: 9, 10, 11, 12
Year/ 1 credit
Weighted Grading

Advanced Placement Statistics is designed for those students who have successfully completed Algebra 2 with a B or better. The course content will follow the College Board's Advanced Placement standards as stated in its AP syllabus for Statistics. Students, at the conclusion of this course, will be able to take the AP exam (fee charged) for potential college placement and/or credit. A Texas Instruments graphing calculator is recommended (TI-83/84/89).

3111A/3112A COLLEGE ALGEBRA

Prerequisite: Algebra 2.
*A scientific calculator is required.
Grades: 9, 10, 11, 12
Year/ 1 credit

College Algebra is designed to help students make the transition from high school math courses to college work. Students study linear and quadratic functions, polynomial functions, complex numbers, logarithms, exponents, rational functions, irrational functions, conics, sequences and series, probability, and trigonometric functions

3121/3122 PRECALCULUS

Prerequisite: Algebra 2

*A scientific calculator is required *A Texas Instruments Graphing calculator (TI-84 for future calculus students) is recommended

Grades: 10, 11, 12

Year/ 1 credit

Precalculus is designed to prepare students to take a college level calculus course. Topics include probability, polynomial equations, graphing, exponents, logarithms, trigonometry, conics, sequences, and series.

3121A/3122A PRE-CALCULUS-EARN COLLEGE CREDIT

Prerequisite: Algebra 2

*Scientific Calculator is required *A Texas Instruments Graphing calculator (TI-84 for future calculus students) is recommended

Grade: 10,11,12

Year/1 credit

This class is college algebra and trigonometry taught with a functional approach. We will cover polynomial, exponential, logarithmic, circular, and trigonometric functions. The class is designed to give students the algebraic tools they need to be successful in college level mathematics or science courses. We will focus on learning the basic concepts of pre-calculus, problem solving, and critical thinking.

College credit can be achieved through two different programs:

CCIHS-College Credit in High School Program

You will earn both high school and college credit through UW Green Bay which can be transferred to many universities. (UW Madison and University of MN included.)

Your grade is made up of the homework, quizzes, tests, and final exams that you will take in your high school class.

Cost: 4 college credits for $400.

This is a heavily discounted price for college credits. This class at UWGB costs $1300. A 3 credit class at UWO costs about $802, UWMadison-$1358, and Marquette-$3225.

(If you plan to earn college credit through the CCIHS program you need Miss Cooper both semesters of pre-calc.)

(More Info: Google UWGB CCIHS Program)

3131/3132 ADVANCED PLACEMENT CALCULUS AB

Prerequisite: Precalculus

* Utilizes a graphing calculator

Grades: 11, 12

Year/ 1 credit

Weighted Grading

AP Calculus is designed for those students who have successfully completed Precalculus. The course content will follow the College Board's Advanced Placement standards as stated in its AP syllabus for Calculus. Students, at the conclusion of this course, will be able to take the AP exam (fee charged) for potential college placement and/or credit.

3135/3136 ADVANCED PLACEMENT CALCULUS BC

Prerequisite: Calculus AB
* Utilizes a graphing calculator
Grades 11, 12
Year/ 1 credit
Weighted Grading

AP Calculus BC is designed for those students who have successfully completed AP Calculus AB. The course content will follow the College Board's Advanced Placement standards as stated in its BC syllabus for Calculus. Students, at the conclusion of this course, will be able to take the AP exam (fee charged) for potential college placement and/or credit in both first semester Calculus and second semester Calculus.

3123A/3124A VOCATIONAL MATH A NWTC/VOCATIONAL MATH B NWTC

Prerequisite: Algebra 1
*Scientific calculator is recommended
Grade: 12
Year/1 credit…Transcribed

SENIOR ONLY course. This course provides the opportunity for the learner to develop the knowledge skills process and understanding of whole numbers, fractions, decimals, measurement, trigonometry, integers, algebraic equations, word problems, and practical plane geometry. This course is a transcribed course with NWTC. Students enrolled in this course are concurrently enrolled at NWTC and can earn NWTC credit for the class. The following programs at NWTC require students to take Mathematics for the Trades I: Wood Techniques, Electrical Power Distribution, Machine Tool Operation, Welding, Industrial Mechanic, Gas Utility Construction and Service, Machine Tool Techniques, CNC Technician, and Power Engineering and Boiler Operator. Sign up for both courses Vocational Math A (first semester) and vocational Math B (second semester) in order to earn a full credit of math and the NWTC credit.

3127/3128 COLLEGE MATH

Prerequisite: Algebra 1
*Scientific Calculator is recommended
Grade: 12
Year/1 credit

An introductory level course designed to review and develop fundamental concepts of arithmetic, algebra, geometry, and statistics. Emphasis will be placed on computational skills and applications of rational numbers; problem solving skills with ratios, proportions, and percent; basic principles and application of algebra, geometry, graphing, and statistics; measurement skills in U.S. Customary and Metric Systems; and the use of calculators as a tool. The following programs at NWTC require students to take College Math: judicial reporting, paralegal, broadcast captioning, instructional assistant, radiography, diagnostic medical sonography, fire protection engineering technology, criminal justice, human services assistant, viticulture, auto collision repair, diesel equipment technology, journey worker, heating, ventilation, air conditioning, and refrigeration technology, and prototype & design.

9211E/9212E IB MATHEMATICS YEAR 1: CORE TOPICS

Prerequisite: Successful Completion of at least Geometry
*Graphing calculator (TI-84 Plus) is required
Grade: 11
Year/ 1 credit *Weighted grading*

Students will study 5 core topics of IB mathematics throughout the year to prepare them for the consecutive IB Math course of Applications & Interpretations OR Analysis & Approaches. The core topics include the following: number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The course is designed for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will explore real and abstract applications, sometimes with technology, and will enjoy the thrill of mathematical problem solving and generalization.

9213A/9214A IB MATHEMATICS: APPLICATIONS AND INTERPRETATIONS SL (YEAR 2)

Prerequisite: IB Mathematics Year 1: Core Topics or at least successful completion of Algebra 2
*Graphing Calculator (TI-82 PLUS) required
Grade: 11,12
Year/1 credit *Weighted grading*

Applications and Interpretations SL is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. This subject is aimed at students who will go on to study subjects such as social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example.

9215A/9216A IB MATHEMATICS: ANALYSIS AND APPROACHES SL (YEAR 2)

Prerequisite: IB Mathematics Year 1: Core Topics or at least successful completion of Algebra 2
*Graphing calculator (TI-84 PLUS) required
Grade: 11, 12
Year/ 1 credit *Weighted grading*

Analysis and Approaches at SL is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or economics for example.

MUSIC

BAND

Membership in the Bay Port Band gives students the opportunity to be part of an active, high quality performing group with an excellent reputation. As a member of this group you can also experience numerous performing opportunities, travel, and the thrill of competition; all as a member of one of Bay Port High School's most active and most important groups...the Bay Port High School Band.

8001/8002 SYMPHONIC BAND

Prerequisite: Successful completion of 8th grade band class
Grade: 9
Year/ 1 credit

Symphonic Band is open to all Freshman band students. This ensemble is primarily a "training" ensemble, which emphasizes the development of the individual student's musical skills.
Requirements of this band include: performing at all home football games, marching at selected parades and selected home football games, performing at all required home basketball and wrestling events, participation in all major concerts and clinics, and attending weekly band lessons.

8011/8012 WIND ENSEMBLE

Prerequisite: Successful audition
Grades: 9, 10, 11, 12
Year/ 1 credit

Wind Ensemble is a select group with "excellence as a performing ensemble" being the primary goal. Membership in this group is determined by the band director based on the following criteria:
(1) student musical proficiency, (2) student attitude and behavior, (3) instrumentation needs and/or limitations of the group.
Requirements of this band include: (1) performing at all home football games, (2) marching at selected parades and selected home football games, (3) performing at all required home basketball and wrestling events, (4) participating in all scheduled evening concerts, (5) participating in the Spring WSMA Band Festival and (6) attending weekly morning sectional practices.
In addition, all students selected to Wind Ensemble are expected to: (1) practice regularly and complete all playoff and written assignments accurately and on time, (2) participate actively in Solo and Ensemble Contest (this includes being willing to play as a member of large ensemble entries), (3) participate in "State" Solo and Ensemble Contest with all entries that qualify, (4) participate in those necessary sectional rehearsals that occasionally occur, (5) participate fully in the Summer Band Program, and (6) conduct your self in a mature and quiet manner during all rehearsals.

8021/8022 CONCERT BAND

Prerequisite: Successful completion of 9th grade band class
Grades: 10, 11, 12
Year/ 1 credit

This ensemble is primarily a "training" ensemble to bridge the gap from Symphonic Band to Wind Ensemble and emphasizes the development of the individual student's musical skills. Requirements of this band include: performing at all home football games, marching at selected parades and selected home football games, performing at all required home basketball and wrestling events, participation in all major concerns and clinics, and attending weekly band lessons.

CHORAL

The choral program offers any student the chance to involve himself/herself in a non-academic area that is challenging and fun, and receive credit for it. All choirs are given group training in reading music and vocal production. Individual training is available to all members. The primary function of the choral program is to give students the chance to express himself/herself in an area everyone has ability in, realizing that while group singing is a fun and worthwhile activity it also is an educational experience. A good degree of perfection is stressed since all groups are performance oriented. Students in choir are expected to purchase shoes and jewelry (this may vary from choir to choir).

8038/8039 CANTUS

Prerequisite: None
Grades: 9, 10, 11, 12
Year/ 1 credit

This choir class is designed for tenor and bass singers whose voices and vocal experiences might not be comparable to those in the more experienced choirs, but have a genuine desire to sing. All that is required is that you have a desire to sing, and the ability to sing in tune and with enthusiasm.
Members of Cantus will participate in the Pops, Mid-Winter, our district music festivals, and Spring Concert. All members of Cantus will receive individual or small group lessons.

8043/8044 CANTARE

Prerequisite: None
Grades: 9, 10, 11, 12
Year/ 1 credit

Cantare is open to all soprano and alto singers in grades 9-12. This choir emphasizes the development of the individual student's musical skills through the study of a variety of music and music literacy drills and activities. Members of Cantare will participate in the Women's Choir Festival, Mid-Winter & Spring Concerts, and our District Music Festivals. All members will also receive individual or small group lessons.

8045/8046 BEL CANTO

Prerequisite: None
Grades: 9, 10, 11, 12
Year/ 1 credit

Bel Canto is a select chamber choir for soprano and alto singers. The primary focus of this group is performing with excellence. This performing group will challenge singers with difficult literature, musical performances, and additional musical responsibility. Students will continue to develop their vocal technique and music literacy skills. Membership in this group is determined by the choir director based on the following criteria: 1) Student musical proficiency 2) Student attitude and behavior 3) Openings within the ensemble 4) Voice type.
Members of Bel Canto will participate in the Women's Choir Festival, Pop's Concert, Mid-Winter & Spring Concerts and our District Music Festivals. All members will also receive individual or small group lessons.

8071/8072 CONCERT CHOIR

Prerequisite: Director's Approval
Grades: 10, 11, 12
Year/ 1 credit

This is the major treble and bass voice choral group of the school. Students may only sign up for this class with permission from, and/or, audition with the director. Besides the Fall Pops Concert, major activities include Mid-Winter Concert, Spring Concert, District Music Festivals, and on alternative years, a musical or choir trip. Members of this choir sing music of a more advanced nature, and shoulder more responsibilities per individual than do members of the other choirs. Lessons are REQUIRED for all members of this choir.

8081/8082 VOCAL ENSEMBLE

Prerequisite: Director's Approval
Grades: 10, 11, 12
Year/ 1 credit

Enrollment is determined by the Choir Directors with many factors besides excellent musicianship, such as attendance, responsibility, dependability, peer and teacher relationships, are considered. Members of Vocal Ensemble will all be vital members of another performing choir, and hence will spend two hours/day in the Choir department.

8053/8054 KAIROS

Prerequisite: None
Grades: 9, 10, 11, 12
Year/ 1 credit

Kairos is a select ensemble for soprano and alto singers whose primary focus is performing with excellence. This performing group will challenge singers with more difficult literature and additional musical responsibility. Students will continue to develop their vocal technique and music literacy skills. Membership in this group is determined by the choir director based on the following criteria: 1) Student musical proficiency 2) Student attitude and behavior 3) Openings within the ensemble 4) Voice type.
Members of Kairos will participate in the Women's Choir Festival, Mid-Winter & Spring Concerts and our District Music Festivals. All members will also receive individual or small group lessons.

ORCHESTRA

The Bay Port Orchestra has grown in talent, size, and reputation in recent years! Recently the orchestra has won auditions and performed at Symphony Center in Chicago, the Kennedy Center for the Performing Arts in Washington D.C., and in 2018 the orchestra performed in Carnegie Hall in New York City. In 2021, the Orchestra will perform at the Beethoven Festival in Vienna, Austria at the Musikverein to celebrate Beethoven's 251st birthday. Repertoire studied includes the classics (of course), but also pop music, rock music, folk music, ethnic music…. you name it. We pride ourselves in our diverse repertoire and in finding something to motivate everyone. Whatever your skill level, you are welcome in one of our orchestras! **Come make music with us!**

8031/8032 STRING ORCHESTRA

Prerequisite: None! However, if you've never played contact Ms. Nowak
Grades: 9, 10, 11, 12
Year/ 1 credit

Bay Port has three string orchestra sections, to accommodate schedules and instrumentation. We welcome all levels in our string orchestras! If you are coming from another district, or are new to an instrument, make sure you contact Ms. Nowak prior to the start of the semester (email is best). The string orchestra plays music from all genres. Requirements of this group include participation in all major concerts and activities. If you have not auditioned for Chamber Orchestra, you should register for String Orchestra. If an audition places you in Chamber Orchestra we will notify you and change your schedule.

8036/8037 CHAMBER ORCHESTRA

Prerequisite: Audition only
Grades: 10, 11, 12
Year/ 1 credit

Chamber orchestra is offered by audition only. This orchestra is limited to 38 members. There are extra performances and higher demands in this group, (but also extra fun and opportunities). To be considered for placement in chamber orchestra make sure you contact Ms. Nowak to arrange an audition.

PHYSICAL EDUCATION

Wisconsin Statute 121.02 states all students must complete 1.5 credits of Physical Education to graduate. Wisconsin DPI Standard P states that Physical Education must be taken in three separate years. If students wish to take a full year of Physical Education, they may count the additional .5 credit as an elective. We encourage students to stay active by taking both semesters of Physical Education, but only .5 credits may count toward the 1.5 required for graduation.

5011 FRESHMAN PHYSICAL EDUCATION

Prerequisite: None
Grade: 9
Semester/.5 credit

This course specializes on developing and improving fundamental skills, game skills, rules, and game techniques in team and individual activities. Safety, courtesy, and strategies will also be taught. Activities could include: aerobics, archery, basketball, badminton, conditioning, fitness testing, flag football, floor hockey, pickle ball, soccer, softball, speedball, tennis, volleyball, weight training, and yoga.
Students will also participate in Wellness Day activities two days a week. Wellness Days are beneficial in improving the student's cardiovascular endurance, muscular strength, and flexibility.
***** Freshman Physical Education is recommended for all 9th grade students.**

5025 PE INDIVIDUAL SPORTS

Prerequisite: Freshman Physical Education
Grades: 10, 11, 12
Semester/.5 credit

This course is designed for students who enjoy competition as individuals or with a partner. Course offerings may include: archery, badminton, frisbee golf, golf, pickle ball, tennis, etc.
Students will also participate in Wellness Day activities on Tuesdays and Thursdays. Wellness Days are beneficial in improving the student's cardiovascular endurance, muscular strength, and flexibility.

5035 PE TEAM SPORTS

Prerequisite: Freshman Physical Education
Grades: 10, 11, 12
Semester/.5 credit

This course is designed for the seriously competitive student interested in team sport competition. Students will also develop an understanding of skills and strategies involved in team sports. Course offerings may include: basketball, football, hockey, soccer, softball, team handball, lacrosse, volleyball, ultimate Frisbee etc…
Students will also participate in Wellness Day activities two days a week. Wellness Days are beneficial in improving the student's cardiovascular endurance, muscular strength, and flexibility

5036 PE TEAM / INDIVIDUAL COMBO SPORTS

Prerequisite: Freshman Physical Education
Grades: 10, 11, 12
Semester/.5 credit

This course is designed for the competitive student interested in team and individual sports. Students will develop an understanding of skills and strategies involved in team and individual sports. Course offerings may include: archery, badminton, pickleball, tennis, basketball, football, hockey, soccer, softball, team handball, volleyball. Students will also participate in Wellness Day activities on two days a week. Wellness Days are beneficial in improving the student's cardiovascular endurance, muscular strength, and flexibility.

5065 PE PERSONAL FITNESS AND CONDITIONING

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Students will be given the opportunity to improve their cardiovascular and muscular endurance through aerobic activities such as: tae bo, pilates, yoga, campus jog, speed walk, biking, etc… Students will participate in 3 days of aerobic activities and 2 days of strength training.

5088 PE ADVANCED STRENGTH TRAINING

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

This class is for the highly-motivated student who really want to improve their strength, speed and cardiovascular endurance. Classes will Weight Train 3-4 days per week and perform agility drills, plyometrics, cardio workouts, functional fitness, and many other activities to improve their athletic performance.

5023 PE ADVANCED ATHLETIC PERFORMANCE FOR FEMALES

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

This class is for the highly-motivated FEMALE student athlete who really want to improve their strength, speed, explosive power and injury prevention. Classes will Weight Train 3 days per week and perform agility drills, plyometrics, cardio workouts, functional fitness, and many other activities to improve their athletic performance. Applicable to all female sports. Varsity athletes are encouraged to enroll.

SUMMER PHYSICAL EDUCATION

Prerequisite: None
Grades: 9, 10, 11, 12
Summer/.5 credit

If you want to get in shape, be motivated to improve your physical and mental self, have fun with other students but don't necessarily want to take the sports/work out summer school classes and receive a PE credit, this is the class for you. This course is purely a participation class, there will be no homework or tests. If you enjoy participating in activities without worrying about completing school work on time, this class is up your alley. The course will be based around the following activities: outdoor education and fitness. Activities may include hiking, biking, swimming, weight training, bowling, running, core exercises, and fitness testing. The class will meet at places other than Bay Port. Students and parents must be able to arrange rides to other locations on their own. This is a participation course; absences must be kept at a minimum. Yet, we will be understanding that the summer is the chance for families to go on vacations and have much needed family time. We will try to strike a balance with attendance, grades, and absences. Which means if you have taken the class in the past our attendance and make up policy will change. This course will follow the summer school schedule. A schedule will be emailed out prior to the start of class to help you with transportation to the different locations for the course. If there are changes to the schedule, parents and students will be notified prior to the beginning of the course via email. Please provide an email address that you check often and make sure of its accuracy so important information can be sent to you.
Requirements for this course include a bike and bike helmet.
Lead contact for Summer Physical Education: Ryan Eiler
Phone: 920-662-7269 Email: ryaneile@hssdschools.org

ONLINE SUMMER PHYSICAL EDUCATION

Prerequisite: None
Grades: 9, 10, 11, 12
Summer/.5 credit

Physical Education is part of a student's overall well-rounded education. Learning the movement competency is taught through Physical Education. How to move in a safe, efficient and productive way. In a traditional classroom the teacher would be leading the learning of this competency. Modeling and evaluating each student's progress. Since this is an online course the student will need to take on more of that responsibility, demonstrating mastery of movement skills. This class will meet via zoom weekly. Assignments will be assigned that will be due within the week. There are a total of 20 assignments; some require accessing different sports equipment. Some assignments the students will be required to learn specific movements, evaluating pre and post movements, demonstrating growth by video recording and journaling. Other assignments will require students to learn physical fitness components, goal setting, and weight/workout training components. Weekly activity log submissions for the course will also be required. It will be vital that students stay on task and complete school work weekly as the assignments build off of each other. If a student did well with online learning in the past this class could be beneficial. If you struggled with online learning, please sign up for the in person summer PE course. Before you sign up please read the questions below and answer them honestly.

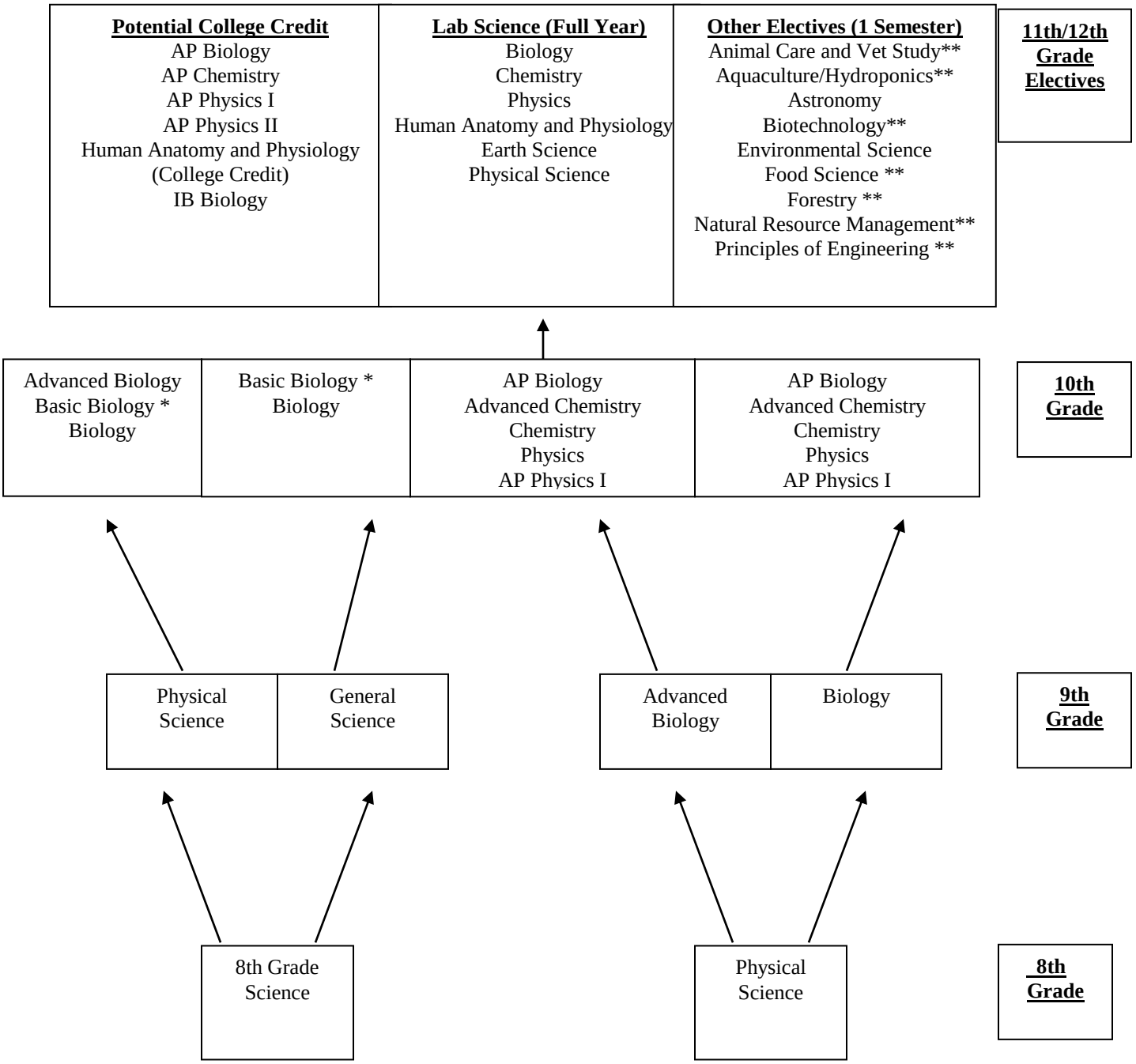
Questions to ask to determine whether you will be successful with online learning

1. Are you involved and active as a learner within your current courses?
2. Are you highly motivated and disciplined with assignments and deadlines?
3. Do you often check Schoology for course calendar updates and assignments?
4. Do you often check your email?
5. In the past, have you posted required comments and responses to a discussion board?
6. Do you manage your time well?
7. Are you able to follow deadlines or a pace chart that you check several times a week?
8. Are you comfortable reaching out to your teachers to ask for help?
9. Are you effective with problem-solving technology?
10. Do you hope to gain skills in the areas mentioned in this list?

Lead contact for Summer Physical Education: Ryan Eiler
Phone: 920-662-7269 Email: ryaneile@hssdschools.org

Science Department Offerings

Graduation requirement + 3 credits



Course Choice Based On:
Post-High School Plans
Teacher Recommendations
Student/Guardian Input

KEY
* = Non-College Prep Course
** = Not taught by Science Department
Available in 10th grade

SCIENCE

The Science Department offers instruction in classes which, given good study habits and a strong work ethic, will prepare students for an ever increasing technological world. It is important that students make some decisions early enough in their high school career in order to make the correct course selection. Colleges do not accept General Science, Basic Biology or other such classes as meeting requirements. Some no longer accepts Physical Science as satisfactory preparation, hence Biology and Chemistry are at least the minimum and Physics is strongly recommended. Be sure to discuss your plans with counselors and/or science staff members.

SUMMER ACADEMY: ACCELERATED ADVANCED CHEMISTRY
Prerequisite: Grade of a "B" or better in Physical Science and Biology or Advanced Biology and will be taking Algebra 2 in the fall or have already successfully completed Algebra 2

This course is a laboratory science course that will cover the same topics as the full year of advanced chemistry course but at an accelerated pace. Students will be expected to attend all classes and complete a minimum of one hour of homework outside of class each day. A student can only miss a maximum of one day (four hours) from this course because one day is equivalent to more than a week of class time during the school year. This course will provide the basis for further study at the technical college and four-year college level. This course is highly recommended for students interested in taking Advanced Placement Chemistry. The purpose of this accelerated course is to move students along faster in the science sequence allowing students to progress to the highest level of science they can. The topics covered are: matter, atomic structure, periodicity, chemical bonding, chemical reactions, stoichiometry, gases, solutions, thermochemistry.

4011/4012 PHYSICAL SCIENCE
Prerequisite: Concurrent enrollment in Algebra I recommended
Grade: 9
Year/ 1 credit

This is a year-long lab course that provides a solid foundation for those students taking courses in biology, chemistry and physics. Topics covered are measurement, properties of matter, energy and force, motion, natural resources, and related areas. This is a required class for those with post secondary school plans (college, technical school, etc.).

4021/4022 GENERAL SCIENCE
Prerequisite: None
Grade: 9
Year/ 1 credit

This is a course designed for students who do not intend to pursue upper level science courses or who need more science skills/background before taking Physical Science. It is a course which covers a basic understanding of science concepts and skills. This non-college prep course for freshmen and will satisfy one year of the three-year science requirement for graduation.

4041/4042 BASIC BIOLOGY

Prerequisite: None
Grades: 10, 11
Year/ 1 credit

This is a lab-science course in which biological concepts and processes are studied. Emphasis will be on developing lab skills, communicative skills, and computational skills. The concepts that will be studied will include the scientific process, energy and life, plant and animal communities, ecology, heredity, and human biology. This is a non-college prep course.

4051/4052 BIOLOGY

Prerequisite: "C" or better in Physical Science *OR* "A" in General Science
Grade: 9, 10
Year/ 1 credit

This course stresses science as a process of inquiring into the nature of life. Through discussion, laboratory exercises, data analysis, and written assignments, students will analyze and apply concepts from the following topics: ecological relationships, cell biology, plant and animal survey, structure-function analysis of plant and animals, genetic continuity, and human biology. Physical Science provides the needed background for Biology.

4056/4057 ADVANCED BIOLOGY

Prerequisite: Concurrent enrollment in Geometry or higher math. This course is intended primarily
For those students who had a "A" in Physical Science
Grades: 9, 10
Year/ 1 credit

This course is an accelerated biology course that covers more breadth and depth than the biology course. This course stresses science as a process of inquiring into the nature of life. Through discussion, laboratory exercises, and written assignments, students will analyze and apply concepts from the following topics: ecological relationships, cell biology, plant and animal survey, structure-function analysis of plant and animals, genetic continuity, and human biology. Problem analysis and experimental design are given emphasis. Students who enroll in this course should be prepared for rigorous coursework at an accelerated pace.

4081/4082 EARTH SCIENCE

Prerequisite: None
Grades: 11, 12
Year/ 1 credit

This year-long elective course is designed for students seeking an additional credit in science and who are interested in learning more about the Earth. This course will be lab-based and will cover topics such as Earth's composition, atmosphere, climate disruption, weather, oceanography, the dynamic nature of Earth and its continuous reshaping and resulting landforms. There may be field trip opportunities during this course.

4061/4062 CHEMISTRY

Prerequisite: Has successfully completed or is concurrently taking Algebra 2; "C" or better in Biology
Grades: 10, 11, 12
Year/ 1 credit

This course will provide the basis for further study at the technical college and four-year college level. It is the traditional high school chemistry course which is suggested for those who are planning vocations in health and other science related fields. Some of the topics covered are lab safety, significant figures, dimensional analysis, properties and changes, atomic structure and theory, the periodic table, bonding, nomenclature, the mole, reactions, and stoichiometry.

4063/4064 ADVANCED CHEMISTRY

Prerequisite: Physical Science and Biology or Advanced Biology with B or better, and Algebra 2 (taken or concurrent enrollment)
Grades: 10, 11, 12
Year/ 1 credit

This course is an accelerated chemistry course that covers more breadth, depth, and mathematical problem solving than the chemistry course. Advanced chemistry is meant as a preparatory course for AP Chemistry. Topics covered are Atomic theory, Periodicity, Chemical bonding, Chemical reactions, Stoichiometry, Gases, Solutions, Thermochemistry, Redox reactions, and Acid Base reactions. Students who enroll in this course should be prepared for rigorous coursework at an accelerated pace.

4070 ASTRONOMY

Prerequisite: Grade of C or better in Physical Science, Biology, and Geometry (or concurrent enrollment in Geometry)
Grades: 11, 12
Semester/.5 credit

This course is designed for students with a **high level** of interest in science, specifically space science, and who are seeking additional elective credits in science. The course will cover a broad view of the study of astronomy and Earth's placement in the universe. Most of the course looks at aspects of our solar system and the history of how and why humans have gained this knowledge. The content of the course is also designed to enhance critical thinking and further develop understanding of the Scientific Method. The final exam for the course is comprised of a semester project which students will present at the conclusion of the semester.

4080 ENVIRONMENTAL SCIENCE

Prerequisite: Grade of C or better in Physical Science and Biology
Grades: 11, 12
Semester/.5 credit

This course is designed for students with a *high level* of interest in science and who are seeking additional elective credits in science. It provides students with the scientific principles, concepts, and methods required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The final exam for this course is comprised of a semester project which students will present at the conclusion of the semester.

4000/4002 HUMAN ANATOMY AND PHYSIOLOGY

Prerequisite: One year of Biology or Advanced Biology with **at least** a "B" average. Chemistry strongly recommended.
Grades: 11, 12
Year/ 1 credit

This upper-level, 2- semester course is intended for students interested in studying how the human body works. The course uses a body systems approach emphasizing the nomenclature of structures and processes of the human body as well as interrelationships between structure and function at the gross and microscopic levels of organization of the human body. Laboratory work is also used to examine various levels of concept application. This course is designed for students interested in human biology, medicine, or healthcare-related fields.
*Students wishing to only take 1 semester/.5 credits of the course can only take the 1st semester portion of the course during the fall semester.

4000B/4002B HUMAN BIOLOGY (College Credit course through Bellin College)

- **BELLIN COLLEGE credit course**
- Prerequisite: One year of Biology or Advanced Biology with at least a "B" average. Chemistry is strongly recommended.
- Grades: 11, 12
- Year/ 1 credit (8 Bellin college credits--transferable)
- $800 tuition fee ($100/credit)

This upper-level, 2- semester course is taught at an advanced pace and is intended for students interested in studying how the human body works. The course uses a body systems approach emphasizing the nomenclature of structures and processes of the human body as well as interrelationships between structure and function at the gross and microscopic levels of organization of the human body. Laboratory work is also used to examine various levels of concept application. This course is designed for students interested in human biology, medicine, or healthcare-related fields.

4091/4092 PHYSICS

Prerequisite: Concurrent enrollment in Algebra 2 or higher and a grade of "C" or better in Geometry.
Grades: 10, 11, 12
Year/ 1 credit

This course is an introduction to the fundamental principles of physics, their experimental basis, and applications. Topics covered include measurement and vector analysis, dynamics, kinematics, thermodynamics, optics and waves, and electricity. The objective of this course is to give students an understanding of the world around us and in addition, prepare students for college physics and related studies.

4101/4102 ADVANCED PLACEMENT BIOLOGY

Prerequisite: Must have earned a "B" or better in Biology or Advanced Biology;
Chemistry strongly recommended.
Grades: 10, 11, 12
Year/ 1 credit
Weighted Grading

Advanced Placement Biology is a lab science course at the college level, which expands on many of the topics covered in Biology. Extensive work is done in the areas of molecular biology, energetic, genetics, plant and animal function/development, and population biology. Lab and process skills such as hypothesis formation, experimental design, data analysis, and the use of scientific literature are emphasized. Good communication and computational skills are essential. The course is intended for students with a high interest and ability in biology and who plan post-high school training in the life sciences.

4111/4112 ADVANCED PLACEMENT CHEMISTRY

Prerequisite: Algebra 2, AND Advanced Chemistry (recommended), Summer Accelerated Chemistry (recommended), or Chemistry
Grades: 10, 11, 12
Year/ 1 credit
Weighted Grading

This course is designed for high ability science and mathematics students who want to increase their knowledge in chemistry. As a second year chemistry class, the pace will be accelerated, utilizing more mathematical analysis, visualization, modeling, and claim/evidence/ reasoning than the traditional general chemistry course. It will more than satisfy college requirements as a laboratory science and can earn up to 10 college level credits depending on the student's AP score and college choice. Students who plan to pursue a college program in engineering, medicine, or science related areas are advised to consider AP Chemistry providing they have adequate background. The topics covered in the course are Matter and Measurement, Atomic Theory, Periodicity, Reactions, Stoichiometry, Gases, Intermolecular Forces, Chemical Bonding, Organic Chemistry, Thermochemistry, Solutions, Kinetics, Equilibrium, Acids and Bases, Thermodynamics, Electrochemistry, and Nuclear Chemistry. The laboratory experiments will be more in-depth and inquiry based than the student's first year chemistry course and specific experiments required by the College Board will be completed.

4121/4122 ADVANCED PLACEMENT PHYSICS 1

Prerequisite: Concurrent enrollment of Algebra 2 or higher and a grade of "B" or better in Geometry. No Prior coursework in Physics necessary.
Grade: 10, 11, 12
Year/ 1 credit
Weighted Grading

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (kinematics, dynamics, rotational motion, work, energy, and power), mechanical waves and sound, and simple electrical circuits. Through inquiry based learning, students will develop scientific critical thinking and reasoning skills. At the end of the 1st year, students will be prepared to take the AP Physics 1 test. As a preparatory class for Careers in engineering, medical, and other science related fields this course should be considered by those with the proper prerequisites.

4123/4124 ADVANCED PLACEMENT PHYSICS II

Prerequisite: Students should have had AP Physics 1 and should have taken or concurrently taking pre-calculus.
Grades: 11, 12
Year/ 1 credit
Weighted Grading

AP Physics is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics, thermodynamics with kinetic theory, PV diagrams and probability, electrostatics, electrical circuits with capacitors, magnetic fields, electromagnetism, physical and geometric optics, and quantum/atomic/nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. At the end of the 2nd year, students will be prepared to take the AP physics 2 test.

6310 VETERINARY SCIENCE I

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Basic animal care deals with identification, selection, nutrition, breeding, genetics, and health care for animals such as dogs, cats, horses, chickens, beef, sheep, dairy cattle, and small animals. Interested in becoming a veterinarian? This class will give you basic anatomy, physiology needed to pursue any animal career. Field trips and guest speakers from various phases of the animal industry are an important part of this class. A dissection lab is included in the veterinary unit of this course. It is recommended that Small Animal and Horse Care be taken before taking this class.

6380 NATURAL RESOURCE MANAGEMENT

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Students will learn a basic introduction of natural resources, how humans utilize them, and why they are important to protect and conserve. Concepts in the course will include waste management, wetlands, water resources, air pollution, soil conservation, energy/alternative energy sources, agriculture, and environmental issues. Students will gain a greater understanding of Earth's natural resources as well as the importance of proper management and protection. Students will also address concerns of feeding a growing world population with dwindling resources. The class will also include field trips, guest speakers, projects, and lab activities.

6390 BIOTECHNOLOGY FOR PLANTS, ANIMALS AND THE ENVIRONMENT

Prerequisite: None
Grade: 10, 11, 12
Semester/.5 credit

In this course, students will examine the fundamental applications of biotechnology in today's world. Course concepts will start out with an introduction of biotechnology and lead into the processes, products, and impact of biotechnology through a hands on approach. This will lead into more in depth topics including genetic engineering, animal reproduction techniques, cloning, plant tissue culture, and using microbes to clean up the environment. Students will gain a greater understanding of the challenges of feeding a growing world population and the need for biotechnology in today's society. The class will include field trips, guest speakers, and lab activities.

6330 AQUACULTURE/HYDROPONICS

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

In this course, students will learn the basics of aquaculture: raising fish, plants, and other aquatic species. Concepts covered in the course will include a basic introduction to aquaculture, history, uses, types of aquaculture facilities, types of plants and animals cultured, and careers in aquaculture. Students will be responsible for raising Yellow Perch in a small scale aquaculture lab. Students will also study Yellow Perch as part of the class. Water quality, testing, water calculations, marketing, and the business of aquaculture will be covered. Course material will also focus on hydroponic (soil-less) growing systems. Students will be responsible for the planting and care of fruits and vegetables as well. The class will also include field trips, guest speakers, projects, and lab activities.

6370 FORESTRY

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

In this course, students will learn a basic introduction of forest principles and management. Concepts covered in this course will include tree structure, function, planting, care, and management of deciduous and coniferous trees. A large emphasis will be placed on tree identification, forest management techniques, fire control, chainsaw operation and safety, disease and insect control, as well as habitat improvement. Students will learn how basic forestry tools operate and have the opportunity to measure trees in various ways. The class will also include field trips, guest speakers, projects, and lab activities. The class will be involved with work at the school forest in Suamico.

6412 FOOD SCIENCE

Prerequisite: Culinary Arts I and Physical Science (grade of C or higher) Recommended Culinary Arts II
Grades: 10, 11, 12
Semester/.5 credit

Interested in finding out how dough turns into cookies or why ice cream is so rich and creamy? Take Food Science to find out why. This course is intended to give students an understanding of the chemical and biological principals of different foods while learning about related careers in the food industry. Students will be actively engaged in various hands-on labs including chemical and biological processes of different food preparation techniques, nutritional composition and analysis of food, how foods are developed and processed as well as looking at the journey different foods take from farm to plate. This course counts as a .5 credit Science elective.

9091A/9092A IB BIOLOGY HL I

Prerequisite: Successful completion of Physical Science (B or better) and Biology. Advanced Biology and Chemistry are recommended but not required.
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB Biology HL I is an intensive science course which emphasizes basic biochemistry, cell structure and function, genetics, and botany. The IB student will become a "scientist" by researching core concepts in biology, using inquiry to formulate critical questions, applying scientific methodology to those questions, and communicating findings to others using appropriate scientific vocabulary and information technology. Internationalism is a strong focus of this course as students will explore the international perspectives of various environmental, social and ethical issues in the area of biology. Instruction is student-centered with cooperative learning and self-evaluation opportunities. Student learning will occur through readings, lectures, class discussions, activities and laboratory investigations.

9091B/9092B IB BIOLOGY HL II

Prerequisite: IB Biology HL I
Grade: 12
Year/ 1 credit
Weighted Grading

IB Biology HL II is a continuation of IB Biology HL I. Human physiology and nutrition ecology and evolution will be researched using the same methods as IB Biology HL I. Internationalism will continue to be an integral part of this course as students continue to realize the global impact of biology. Students will complete all IB required assessments in this course. These include a Group 4 interdisciplinary project, internal assessment, and three external assessments.

6573/6574 **PRINCIPLES OF ENGINEERING (ENGINEERING LEVEL III)**

Prerequisite: Introduction to Engineering
Grades: 10, 11, 12
Year/ 1 credit
(Semester 1 = .5 credit Engineering and Technology)
(Semester 2 = .5 credit Science

This STEM course makes a contribution to the curriculum by providing opportunities for students and teachers to link content together and apply it to solve problems. More and more jobs demand advanced skills, requiring that people be able to learn, reason, think creatively, make decisions, and solve problems. An understanding of science, technology, engineering and math and their methods contribute in an essential way to these skills. Principles of Engineering is a team based advanced course designed for most students. The Principles of Engineering courses intention and purpose is to educate students in a "main line" method providing STEM education for everyone. While providing a STEM based education for all students, those interested in becoming practicing engineers clearly benefit from this course content.

SOCIAL STUDIES

The basic goal of Social Studies is to promote civic competence. Courses in the social sciences are designed to help students develop the ability to make informed, reasoned decisions for the public good, as citizens of a culturally diverse, democratic society in an interdependent world. Students are required to have three (3) credits of Social Studies for graduation from Bay Port but it is strongly recommended that students take a minimum of four (4) credits as preparation for meeting post-high school plans.

Minimum Social Studies Requirements for Graduation:

- Survey of World History or Summer Accelerated Survey of World History
- Survey of United States History, AP United States History, OR IB History I and II
- One additional credit of Social Studies

Social Studies Electives	1 Credit Courses (OFFERED YEARLY) AP Psychology IB Psychology IB History I IB History II AP US History AP European History AP US Government & Politics AP Microeconomics and AP Macroeconomics	.5 Credit Courses (OFFERED YEARLY) Geography Economics Sociology Psychology Civics Ancient Civilization Global Studies (OFFERED ODD YEARS) American Conspiracy Theories Civil Rights and Diversity Conflicts in History: World War II World Religions	(OFFERED IN EVEN YEARS) History of American Sports Genocide and Human Rights Conflicts in History: Terrorism

SUMMER ACADEMY: ACCELERATED LANGUAGE ARTS and SOCIAL STUDIES

Prerequisite: None
Grade: Incoming 9th
Summer Academy/.5 credit social studies and .5 credit language arts

Incoming freshmen wishing to broaden their future class choices may enroll in an intensive six-week summer school course in the combined areas of English Language Arts and Social Studies. Students enrolled in this course study selected topics in world history as well as various forms of writing with an emphasis on language and style.

Successful completion of this course will allow students the opportunity to take more advanced courses earlier in their high school career by allowing them to forgo traditional freshman courses in both English Language Arts and Social Studies. This creates the opportunity for incoming freshmen to take Advanced Placement and other elective courses in Social Studies as well as advanced coursework in English Language Arts as freshmen.

Successfully completing Accelerated English Language Arts and Social Studies is also recommended for any students planning on enrolling in the IB program during their junior year. Accelerated English Language Arts and World History will be graded and students will receive .5 credit in Social Studies and .5 credit in English Language Arts upon successful completion of the summer course.

Registration for Accelerated English Language Arts and World History will begin in April through the Summer School registration process.

2013B/2014B SURVEY OF WORLD HISTORY

Prerequisite: None
Grade: 9
Year/ 1 credit

In this course, students will study world history from the Renaissance through modern times. This course reviews nonwestern history with an emphasis on geography, conflict, diplomacy, and warfare.

2023A/2024A SURVEY OF UNITED STATES HISTORY

Prerequisite: Successful completion of Survey of World History OR Accelerated Survey of World History.
Grade: 9, 10
Year/1 credit

Survey of US History will cover American history from the time of the American Revolution until the present, including modern issues like the Middle East and Terrorism. Areas of focus will include: Expanding the US, Civil War and Reconstruction, Progressive Era, World Wars I and II from the US perspective, and the Cold War Era. Additional emphasis will be placed on financial literacy and American government.

2091A/2092A ADVANCED PLACEMENT UNITED STATES HISTORY

Prerequisite: Successful completion of Survey of World History, OR Accelerated Survey of World History
Grades: 9,10, 11, 12
Year/ 1 credit
Weighted Grading

Advanced Placement U.S. History is a course designed for the college bound student who desires the opportunity to possibly attain college credit while still in high school. This course is taught at the college level with appropriate expectations. Advanced Placement United States History will cover the Pre-Columbian societies to the present. AP U.S. History candidates should possess good writing skills and high grades in Language Arts and Social Studies. They should also be willing to accept the challenging nature of this class and make the appropriate time commitment in order to have a positive experience. Weighted grading is used in this class. This course fulfills the Survey of U.S. History requirement for all students This course may also be taken as a senior elective.

2111A/2112A ADVANCED PLACEMENT EUROPEAN HISTORY

Prerequisite: Successful completion of Accelerated Survey of World History, OR Survey of World History
Grades: 9, 10, 11, 12
Year/ 1 credit
Weighted Grading

Advanced Placement European History will cover the time period 1400 A.D. to the present and will focus on historical, political, and economics history with an emphasis on cultural and social change throughout time. Furthermore, these areas will be studied from a variety of perspectives in order to create a balanced view of history. Besides gaining factual information about European history, students will also gain an understanding of the principal themes of European history, the ability to analyze primary and secondary sources (such as documents, maps, statistics, artwork, and photographs), and the ability to express that understanding effectively in formal writing.

2101A/2102A ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS

Prerequisite: Successful completion of Survey of World History or a strong understanding of American History is strongly suggested.
Grades: 10, 11, or 12
Year/ 1 credit
Weighted Grading

AP U.S. Government and Politics provides students with a comprehensive understanding of the operation of American national government. To accomplish this, students develop analytic perspectives for interpreting, understanding, and explaining political events in this country. The subjects that the course covers include constitutional arrangements, policy making institutions such as the legislature, the executive, the bureaucracy, and the courts, public opinion and the media, political participation and voting behavior, political parties, interest groups, civil liberties and rights, and public policy initiatives. In this course, you are challenged to think like a Political Scientist. The course is organized as an introduction college political science course in which you have limited grading periods with most daily assignments being readings in preparation for discussions and in-class projects. It is also possible that you will be attending a field trip to Madison that will have cost associated with it (discussed and voted on by the class).

9071A/9072A IB HISTORY HL I

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 Credit
Weighted Grading

IB History HL is a two-year, in-depth study of 20th Century World History for juniors who have successfully completed introductory coursework in the study of history and have the necessary reading and writing skills to accurately apply to the study of history. Students entering this course should understand that this is a rigorous two-year program that will focus on introducing important historical concepts through the critical analysis of both primary and secondary sources. IB History HL I will emphasize global history including the rise of authoritarian dictatorships, independence movements or the causes/practices/effects of war, and humanitarians' crises in Europe and Africa.

9071B/9072B IB HISTORY HL II

Prerequisite: Successful completion of IB History HL I OR teacher approval
Grade: 12
Year/ 1 credit
Weighted Grading

IB History HL II is a continuation of IB History HL I. Year II of IB History HL will emphasize developments in the Americas, including the emergence of the Americas in global affairs, the Great Depression, World War II, the Cold War and civil rights and social movements. This course also aims to continue building upon student skills as an independent learner and their skills as an historian to prepare them for successful completion of the historical investigation and the three written examinations in May.

9081A/9082A IB PSYCHOLOGY SL

Prerequisite: Successful completion of Survey of World History OR Accelerated Survey of World History
Grades: 11, 12
Year/ 1 credit
Weighted Grading

Psychology is the scientific study of behavior and mental processes. IB psychology will focus on an in depth understanding of human behavior and the interaction of the biological, cognitive, and sociocultural influences on human behavior. An understanding of psychological knowledge will enable students to better understand themselves and appreciate individual differences in others. Students will explore research methods, the application of research to better understand modern society, and the impact of research in regards to ethics. Interpersonal skills will be developed that will allow students to communicate more effectively with those around them. International mindedness will be a consistent theme as we develop a better understanding of diversity and empathy for those outside our own culture. Cultural and individual differences will be explored throughout the course by comparing research and people from around the world. IB required assessments will include two major external assessments and an internal assessment involving a significant experimental study. All three assessments will look for knowledge and comprehension of specified content as well as an overall usage of skills appropriate to psychology

2113A/2114A ADVANCED PLACEMENT PSYCHOLOGY

Prerequisite: None but Psychology is recommended
Grades: 10,11,12
Year/ 1 credit
Weighted Grading

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. This college-level course aims to prepare students not only for taking the AP exam and earning college credit, but also to prepare them for all of their post-secondary education classes.

2115C/2115D AP MICROECONOMICS AND AP MACROECONOMICS

Prerequisite: None
Grades: 10, 11, 12
Year/ 1 credit

A.P. Economics is a college level, full year course designed to provide students with a thorough understanding of the principles of economics. First semester will deal with microeconomics and will emphasize the study of the principles of economics that apply to the functions of individual economic decision-makers. Second semester will deal with macroeconomics and will emphasize the economic decisions of nations and the world. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students will learn to think like economists – to question, to evaluate marginal costs and marginal benefits, to explore the many ways that one action will cause secondary actions. The course will allow students to take the A.P. Microeconomics and A.P. Macroeconomics test in May.

2070A **SOCIOLOGY**

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Does the outside society really influence who we are and what we will become? Learn to view the world using the sociological perspective, as well as evaluating how circumstances such as race, gender, and social class affect opportunities you may or may not enjoy. Participate in social experiments, view videos depicting sociology and why it matters, as well as participating in sociological experiments in class. The course content includes culture, socialization, social inequalities, deviance, and social change, as well as other topics that will give you an introduction to sociology.

2040A **PSYCHOLOGY**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 10, 11, 12
Semester/.5 credit

This introductory psychology course will guide students toward a better understanding of themselves and others. This course is a benefit to anyone with an interest in human behavior and the psychology behind our behaviors. This college-geared course is open to anyone looking for a challenge. Major units will include the nervous system, our "nine" senses, perception, learning, memory, thinking, altered states of consciousness (i.e. sleep, dreams, relaxation), and personality. The student must be willing to engage in discussions and activities. This upper-level elective course is intended to aid students who plan to continue schooling beyond high school, as well as anyone with an interest in self-awareness. Psychology plays a role in everything we think and do. Do I really have nine senses? If a tree falls in the middle of a forest and nobody is around to hear it, does it make any sound? What is the difference between a neurotic and psychotic? What can I do to remember better? If you are up for a challenge, join the class and discover!

2060A **ECONOMICS**

Prerequisite: None
Grades: 10,11, 12
Semester/.5 credit

Economics is a semester-long, hands-on learning, elective course. Students will explore the economic reasoning process to make informed decisions in a wide variety of contexts. Economics is grounded in knowledge about how people, institutions, and societies choose to use limited resources to satisfy their wants and needs. This comprehensive economics course includes the following units of study: Basic Economic Concepts, Microeconomics, Labor Markets and Personal Finance, Macroeconomics, and International Economics. Special emphasis will be given to Personal Finance Management and evaluating real world economic ethical dilemmas.

2080A **GEOGRAPHY**

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Geography is an elective course for students who wish to build on their geography skills in order to assist them in their other required social studies courses, as well as, help them gain a better understanding of how the world's environments, cultures, economics, and history affect us today. Topics of study will be guided by the five themes of geography (location, places and regions, physical systems, human systems, and nature and society).

2080B **CIVICS**

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Civics introduces students to many social science areas including economics, sociology, current issues, government, and the history of Wisconsin and Wisconsin's Native American tribes. Topics will include citizenship, all levels and branches of government (local, state, federal), the Constitution, politics, elections, and Native American government. During the course of the year you will take part in activities that will help you to become an active and informed citizen of the United States.

2050C **ANCIENT CIVILIZATIONS**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 9, 10, 11, 12
Semester/.5 credit

Discover the ancient civilizations of mankind in order to gain a better understanding of ourselves in this ever evolving modern world. The course will focus on the commonalities and differences of the ancient civilizations around the world. Students will investigate how, through history, various civilizations were shaped by their physical environment, technologies, religious beliefs, and philosophies. Possible areas of exploration are the Americas, Middle East, Rome, Greece, Japan, China and India.

2071A **GENOCIDE AND HUMAN RIGHTS**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 9, 10, 11, 12
Semester/.5 credit

This course examines the concepts and legal foundations of genocide and human rights adopted by the United Nations including the development of the term genocide, the adoption of the Genocide Convention, and the UN Declaration of Human Rights. Case studies examined may include the Armenian Genocide, the Holocaust, Cambodia, the Rwandan Genocide, Bosnia, and Darfur.

2088A **HISTORY OF AMERICAN SPORTS**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History.
Grades: 9, 10, 11, 12
Semester/.5 credit

This course will examine the development and significance of sports (professional and amateur) throughout American history. This will include an examination of the issues of race/gender and the intersection of sports with major US events as well as the effect of sport on our lives as a form of culture. Topics addressed will include the origin of American sports (i.e. baseball, college sports, boxing), themes (i.e. race, gender, sexuality issues), modern issues (i.e. gambling, commercialization, globalization, politicization, youth sports), and the collision of historical events and sports (i.e. the Gilded Age, World War I, the Great Depression, World War II, Vietnam, and 9/11).

2089A **CONFLICTS IN HISTORY: TERRORISM**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History.
Grades: 9, 10, 11, 12
Semester/.5 credit

This course will examine terrorist groups/acts around the world over the past century. We will delve into the cause and effects of terrorist events, the successes and failures in dealing with terrorism, and how it should be handled now and in the future. We will also examine how history, geography, economics, politics, sociology, propaganda, and social media impact terrorism. Both domestic and international terrorism will be covered. Some topics will include leader assassinations, the KKK and neo-Nazi organizations, anti-government terrorism, Olympic attacks, Al Qaeda, 9/11, and ISIS to name a few.

2084B **GLOBAL STUDIES- ASIA**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 9, 10, 11, 12
Semester/.5 credit

Global Studies is an in-depth analysis of non-Western regions of the world and is designed to expand your understanding of the world we live in. Historical trends and the impact of these trends on regional and global development will be explored. This course will rotate the region (Asia, Africa, the Americas, and the Middle East) that are studied in-depth on a yearly basis.
For the 2022-2023 school year the focus region will be Asia. Topics may include the traditional belief systems, the impact of Western imperialism, the impact of the world wars, independence movements, the rise of communism and the impact of the Cold War, and more recent developments. Nations focused on may include China and Taiwan, Japan, North and South Korea, India and Pakistan, Vietnam, and the Philippines.

2082A **AMERICAN CONSPIRACY THEORIES (offered 2023-2024)**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 9, 10, 11, 12
Semester/.5 credit
Offered in ODD numbered school years

This course will explore conspiracy theories throughout history. We will explore subjects from aliens to music and pop culture to 9/11. They will challenge you by constantly questioning the truth. You will hear many sides to many stories and have to discover for yourself what you believe really happened. You will be researching, reading, and writing about conspiracy theories. You will also partake in many class discussions and complete projects that exercise your creativity, thinking skills, presentation skills, and collaboration skills.

2083A **CIVIL RIGHTS AND DIVERSITY (offered 2023-2024)**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 9, 10, 11, 12
Semester/.5 credit
Offered in ODD numbered school years

This course will cover significant times in history when groups of people were denied their civil rights. It will take and in-depth look at those populations, what rights were denied, how those rights were kept from them, what was done about it and where the situation is today. We will look at things such as racial inequality, gender inequality, gender identity discrimination, and religious discrimination. In doing so we will also look at the diverse population of our country and how to not only accept, but to embrace our differences.

2085A **CONFLICTS IN HISTORY: WORLD WAR II (Offered 2023-2024)**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 9, 10, 11, 12
Semester/.5 credit
Offered in ODD numbered school years

This semester-long social studies elective will cover the causes, events, and lasting effects of World War II on the world. We will look at military, political, and social events connected to the war. Activities will include class debates and presentations, film and document analysis, and class discussions. Heavy emphasis will be placed on analysis of information and class participation.

2087A **WORLD RELIGIONS (Offered 2023-2024)**

Prerequisite: Successful completion of Survey of World History or Accelerated Survey of World History
Grades: 9, 10, 11, 12
Semester/.5 credit
Offered in ODD numbered school years

Students should take this course if they are interested in exploring the ideas of religion. Many of us think of religion as a belief system practiced through faith, obedience, prayer and worship, but some religions are far more than just that, but an entire philosophy and way of life. This course allows students to explore the religions that have shaped history, civilizations and contemporary culture. Students will learn about the founders, the history, and essential teachings of major religions and learn of other religions from around the world and their religious practices.

Engineering and Technology - Class Offerings			
Engineering	**Manufacturing**	**Graphics**	**Video Productions**
Introduction to Engineering	Welding/Metal Fabrication 1	Introduction to Digital Media / Graphics	Video Production I
3D Solid Modeling	Welding/Metal Fabrication 2	Graphics / Screen Printing	Video Production II
Principle of Engineering	Welding/Metal Fabrication 3	Graphics Productions	Tech & Eng Education Capstone
Architectural Design and Construction	Introduction to Engineering	Digital Photography and Editing	
Architectural II	Design for Manufacturing	Web Graphics	
Advanced Architectural	Introduction to Woodworking	Advanced Photography	
Advanced Engineering	Furniture and Cabinetry I	Tech & Eng Education Capstone	
Electronics	Furniture and Cabinetry II		
Introduction to Robotics	Advanced Wood Technology		
Robotics II	Advanced Wood Technology II		
Coding			
Tech & Eng Education Capstone	Tech & Eng Education Capstone		

Engineering

Freshman	Sophomore	Junior	Senior
Introduction to Engineering	3D Solid Modeling	Principle of Engineering	Design for Manufacturing
Introduction to Robotics	Robotics II	Architectural II	Advanced Architectural
Electronics	Advanced Engineering		Tech & Eng Education Capstone
Architectural Design and Construction	Architectural Design and Construction	Architectural Design and Construction	Architectural Design and Construction
		Advanced Architectural	Advanced Architectural
Architectural II	Architectural II	Architectural II	Architectural II
Coding	Coding	Coding	Coding

Manufacturing

Freshman	Sophomore	Junior	Senior
Metals 1	Metals 2	Metals 3	
Introduction to Woodworking	Furniture and Cabinetry I &II	Advanced Wood and Technology	Tech & Eng Education Capstone

Graphics

Freshman	Sophomore	Junior	Senior
Introduction to Digital Media / Graphics	Graphics / Screen Printing	Graphics Productions	Advanced Photography
		Digital Photography and Editing	Tech & Eng Education Capstone
Web Graphics	Web Graphics	Web Graphics	Web Graphics

Video Productions

Freshman	Sophomore	Junior	Senior
Introduction to Multimedia / Graphics	Video Production I	Video Production II	Tech & Eng Education Capstone

ENGINEERING AND TECHNOLOGY EDUCATION

Engineering and Technology Education is an important part of any school curriculum in our modern industrial technical society. Engineering and Technology Education courses are "basic" for they offer an opportunity to put into practice the science, mathematics, and communication skills as students work in an industrial environment which is similar to that of industry. Students will gain career awareness in a wide variety of areas and will learn valuable consumer knowledge. As they build a base for further vocational education they will develop good work habits and positive attitudes. They will also gain valuable basic skills, which can be used all through their lives to make improvements and maintain a wide variety of consumer products.

ENGINEERING TECHNOLOGY - ARCHITECTURE

6567/6568 **INTRODUCTION TO ENGINEERING (ARCH I LEVEL I)**
Prerequisite: None
Grades: 9, 10, 11, 12
Year/ 1 credit

This STEM (Science, Technology, Engineering, and Mathematics) course is a basic introduction to engineering for all students. Students who complete this course will learn the concepts necessary in order to develop their ideas into solutions that will improve our lives. Exciting hands-on learning activities, rating consumer products, destructive testing and Solid Works 3D solid modeling apply math, science, history and English content from other courses in a STEM experience.

6523 **ARCHITECTURAL DESIGN AND CONSTRUCTION (ARCH I LEVEL II)**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

Architecture is more than just walls around us. The form and function of the spaces we live and work in are at the heart of how any design comes to life. This course will investigate how the structure is designed and built as well as the layout of spaces between walls. Students will be introduced to a variety of concepts including green building and sustainable design in architecture. Students will apply the concepts introduced, to a “dream home” that they design and model. These concepts will allow the students to judge the liveability of homes and apartments that they may someday consider renting, buying, or building.
Students with career goals such as carpenters, interior designers, builders, architectural drafters, or engineers should take this course.

6524 **ARCHITECTURAL DESIGN AND CONSTRUCTION II (ARCH I LEVEL III)**
Prerequisite: Architectural Design and Construction (Level II)
Grades: 10, 11, 12
Semester/.5 credit

In this design course students will explore the styles and construction of homes and commercial buildings. Students will continue to use the Autodesk Revit drawing program to design and draft floor plans, foundation plans, elevation plans, and detail drawings of windows, doors, stairways, and wall sections of homes. The room-by-room function and activity approach will again be used to design a residential home. Other topics discussed in this course include architectural styles, the strength of materials, city codes, electrical plans and cost estimation.

6527/6528 **ADVANCED ARCHITECTURAL DESIGN AND CONSTRUCTION (ARCH I LEVEL IV)**

Prerequisite: Architectural Design and Construction II (Level III)
Grades: 11, 12
Year/ 1 credit

In this open ended design course students will have the opportunity to select appropriate residential, commercial, and public architecture projects to complete. Students will be expected to work independently on high end projects of their choosing. Advanced architectural concepts such as modern design (1950-present), materials, site considerations, green design, and structural engineering will be discussed and implemented. Students who have high interest and aptitude may take this course multiple times.

ENGINEERING TECHNOLOGY

6546/6547 **3D SOLID MODELING (ENGINEERING LEVEL II)**

Prerequisite: Introduction to Engineering
Grades: 10, 11, 12
Year/ 1 credit … Transcribed
Weighted Grading (5.0)

Learning 3D design is an interactive process. Students learn best when they can explore the practical applications of the concepts that they learn. This STEM course has many activities and exercises that enable students to put design concepts into practice. Students create their ideas such as drone designs, extreme sports equipment, hip replacement parts, robotic arm components, musical instruments and their parts as well as many others. Ideas become reality in this course. Students will also have the opportunity to become CSWA (Certified Solid Works Associate) certified at the completion of this course.

** Currently in the progress of a credit agreement with UWGB.
*** Availability of college credits is based on legislative action***

6573/6574 **PRINCIPLES OF ENGINEERING (ENGINEERING LEVEL III)**

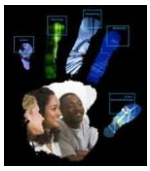
Prerequisite: Introduction to Engineering
Grades: 10, 11, 12
Year/ 1 credit
(Semester 1-.5 credit Engineering and Technology)
(Semester 2-.5 credit Science)

This STEM course makes a contribution to the curriculum by providing opportunities for students and teachers to link content together and apply it to solve problems. More and more jobs demand advanced skills, requiring that people be able to learn, reason, think creatively, make decisions, and solve problems. An understanding of science, technology, engineering and math and their methods contribute in an essential way to these skills. Principles of Engineering is a team based advanced course designed for most students. The Principles of Engineering courses intention and purpose is to educate students in a "main line" method providing STEM education for everyone. While providing a STEM based education for all students, those interested in becoming practicing engineers clearly benefit from this course content. *The second semester counts as .5 credit Science elective.*

** Currently in the progress of a credit agreement with UWGB.
*** Availability of college credits is based on legislative action***

6531/6532 ADVANCED ENGINEERING (ENGINEERING LEVEL IV)

Prerequisite: Successful Completion of 3D Solid Modeling (Level II) and CSWA Certified.
Grades: 11, 12
Year/ 1 credit
Weighted Grading (5.0)



In this open ended engineering course students will have the opportunity to select appropriate activities, design concepts, and their own projects to complete. Students will be expected to work independently on these high end projects of their choosing. Advanced engineering concepts will be discussed and implemented throughout this course along with the opportunity to become CSWP certified. Students who have high interest and aptitude may take this course multiple times.
*** Availability of college credits is based on legislative action***

6563 ELECTRONICS

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

In this course, students will learn about the generation of electricity, electrical circuits, and measurement of electricity. Through class work and experiments, students will examine how series and parallel circuits work in a residential house. Beyond electricity in a home, the student may choose several paths that lead to the understanding of how resistors, transistors, and diodes are used to make modern electronic devices as well as how an electric motor operates and various types of electromechanical devices. Labs will include hands-on to wire simple circuits, 3-way switches and 240V devices in a home. Students will also learn about the various careers in the field of electricity and electronics. A calculator is required for this course.

6648 INTRODUCTION TO ROBOTICS – ENGINEERING EMPHASIS BUILDING AND CODING (Robotics I)

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

In this course, students will work with both physical and virtual robots, to help them gain a better understanding of how a robotic system works. This STEM course with an emphasis on coding, and engineering and design has been designed for students who enjoy working with their hands and thinking critically and creatively. You will develop collaborative teams that will practice effective communication. Identifying your strengths this will enable you to make positive contributions to your group and class. Students will learn to use VexCode (similar to python or Java Script) for programing and SolidWorks for drawing; with these tools you will make ideas become reality.

6652 ROBOTICS II – AUTOMATION AND ENGINEERING

Prerequisite: Introduction to Robotics
Grades: 10, 11, 12
Semester/.5 credit

This STEM course will be a continuation and an expansion of Introduction to Robotics. You will explore the world of automation while you engineer a machine that will improve your chosen task. You will use VexCode language to program and control various sensors. These are some of the sensors that will be used ultrasonic, light, limit, rotational, potentiometer, and others. You will also have the ability to use SolidWorks as a tool to help your ideas become reality.

GRAPHIC AND MEDIA TECHNOLOGY

006752 **INTRODUCTION TO DIGITAL MEDIA**
Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

If you have a MacBook Air this course is for you! Learn the Mac OS and create slideshow, radio shows, stop motion videos and podcasts. This course serves as an introduction to the video/graphics courses taught at Bay Port or as a stand-alone course to the student just wanting to explore various multimedia technologies. The semester course will cover the current Macintosh operating system as well as introduction to several software programs used in Photography, Graphics Screen Print, Video Production, and Web Design. Software programs include Photoshop, iPhoto, iTunes, Garage Band, iMovie. **This course is not available for students who have already taken Graphics or Video Production courses.**

6570 **DIGITAL PHOTOGRAPHY AND EDITING**
Prerequisite: None
Grades: 11, 12
Semester/.5 credit

Northeast Wisconsin Technical College

This photography course covers the use of cameras, composing and taking pictures, plus digital editing. This course will also teach the advanced functions of any digital camera. It is best if all students have their own digital camera for class (does not have to be expensive). We will also produce a web portfolio of work. We will use Apple computers with IPhoto, IWeb and Adobe Photoshop to work with our images. This serves as an introduction to a possible life time hobby or as a good introduction to a career in photography. This course is articulated through NWTC and counts for 3 credits of Digital Photography for students planning on attending NWTC.
Picture taking assignments require time outside of school be spent taking pictures.

6575 **ADVANCED PHOTOGRAPHY**
Prerequisite: Must have a B or higher in Digital Photography and Editing
Grades: 12
Semester/.5 credit

Students will become proficient in Adobe Photoshop and DSLR cameras and lenses. Students will also have the opportunity to work on projects of their choosing along with project for other people.

6595 **GRAPHICS SCREEN PRINT**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

The technique of screen printing is simple, and satisfying to those who learn it. This course introduces a variety of methods from the simplest, one color screen print method to vinyl stickers and Dye Sublimation on glass. Be prepared to be creative and get ink on your fingers. This course would be beneficial and enjoyed by art and graphics students. Screen printing process is used by many groups to produce team shirts, posters, and banners.

6065 **CODING**

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Are you creative? Interested in learning a new language? Do you sometimes think about how a program, app, or website could be better? Are you considering a career in the tech industry? Try Coding!
Coding is a personalized course catered to students' unique interests. The course runs in a self-paced, personalized format where you get to choose what you want to learn. In the course, students will propose their own learning plans on objectives like, but not limited to: learning Swift, learning JavaScript, learning C#, Java, OR creating websites using HTML and CSS, and designing advanced programs/apps. **This course, depending on what projects you pursue, may include extra costs.**

6590/6592 **GRAPHIC PRODUCTION**

Prerequisite: B or better in Graphics /Screen Print or Instructor Approval
Grades: 11, 12
Year: 1 Credit

Independent studies based course in which student's sign up for the course and assist the instructor with projects which may need to be produced. This course is designed to take those students interested in the world of graphic communications to the next level. Jobs may consist of print media to screen printing. The screen printing side will stress the use of photo emulsion, while the print side will allow students to become more proficient on programs such as Photoshop, Illustrator, and InDesign. Some examples of projects which may be completed by students enrolled in this course are, coffee mugs, full color stickers, static clings, desktop publishing projects of any proportion, district wide printing of banners, t-shirts, sports team t-shirts, club t-shirts, and special event t-shirts. A student interested in the course will be able to register for it more than once.

6663 **VIDEO PRODUCTION and YOUTUBE CREATOR (VIDEO I)**

Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

This course is designed to introduce students to the world of video production and the use of video as a communications media. This is an excellent course to start learning what is needed to start your own YouTube Channel. An Introduction to equipment, their uses and the various types available to you, will be discussed. Students will learn the various phases of video production from filming, editing, adding graphics and text and lighting to sound and voice. Students will also have access to various cameras, audio equipment, a studio, and lighting for a number of projects.

6673 **VIDEO PRODUCTION II – ANIMATION AND SPECIAL EFFECTS**

Prerequisite: Grade of "B" or better in Video Production I or instructor approval
Grades: 10, 11, 12
Semester/.5 credit

This course continues building upon the foundations established in Video I. Students are allowed greater flexibility and creativity on each assignment. A more in depth study of the editing programs and their capabilities will be stressed. Lighting a set, graphic production and sound will be stressed. Basic animation and special effects will be added to your video to make them look more professional.

6683 ADVANCED VIDEO PRODUCTION

Prerequisite: Video Production I and II with a grade of "B" or better and instructor approval
Grades: 11, 12
Semester/.5 credit

This is an independent studies based course in which students sign up for the course and assist the instructor with projects which may need to be produced. Students will be involved with the bi-weekly broadcast of Pirate Vision, which is the taping, editing, broadcasting, and script development for the show. **A student interested in the course will be able to register for it more than once.**

09006A WEB GRAPHICS

Prerequisite: None
Grades: 9,10, 11, 12
Semester/.5 credit

This class is for designers who want to create impactful graphics for use online. In this class you will discover the steps to creating web graphics using Adobe Photoshop, Adobe Animate, and Adobe Spark. Learn about file formats, color tables, animations, and the creation of interesting special effects, such as rollovers and tweening. Learn how to make everyone's favorite moving images, the gif file. Design for your favorite websites like Instagram, Twitter, and other social media apps.

METAL TECHNOLOGY

6613/6614 DESIGN FOR MANUFACTURING

Prerequisite: Introduction to Engineering
Grades: 11, 12
Year/ 1 credit

Design for Manufacturing teaches general manufacturing techniques. Calculations and analysis tools are used to design and redesign student's concepts. This course applies and integrates ideas that have been generated in other courses and generates life size models and prototypes. Industry standard software and machinery are used to manufacture student's ideas with verification programs to determine the ability for a plan to be mass produced. Certification will advance students toward continuing education and career opportunities in the fields of engineering, design and machine operation.

6600A WELDING/METAL FABRICATION 1

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

Welding/Metal Fabrication 1 is an introduction course highlighting the welding and metal fabrication trades. Students will be introduced to SMAW, MIG, and TIG welding processes. Students will also fabricate their own "Mini Grill" using sheet metal that is designed and cut using the PlasmaCam and fasteners and hand tools as identified. Safety glasses are requires.

6611A/6612B WELDING/METAL FABRICATION 2

Prerequisite: Welding/Metal Fabrication 1
Grades: 10, 11, 12
Year/ 1 credit

Welding/Metal Fabrication 2 allows students to continue exploring various processes in welding and metal fabrication. Careers associated with welding and fabrication will be explored and presented by various local businesses. Students will continue to gain knowledge of SMAW, MIG, and TIG welding processes along with being introduced to Flux Core welding and Oxy/Fuel Cutting. Students will begin to explore welding with Stainless Steel and Aluminum in various applications. Students will use their welding skills to aid them in fabricating their own projects out of various metals. Students will also explore different fastening options commonly used in the industrial trades like pipe fitting and mechanical fasteners. Students may use CNC equipment to PlasmaCut or CNC machine their projects. Safety glasses required.

6623A/6624B WELDING/METAL FABRICATION 3

Prerequisite: Completion of Welding/Metal Fabrication 2 with a grade of "C" or better or approval of the instructor.
Grades: 11, 12
Year/ 1 credit

Welding/Metal Fabrication 3 is designed for the student with a serious interest in pursuing a career in the trade of welding or fabrication. This course is designed to build upon existing skills learned in Welding/Fabrication and apply it towards skills required to obtain entry level work in the trade that they choose. Classroom study will include advanced level welding instruction, CNC Machining, CNC cutting (PlasmaCam) and other "high-tech" areas. Students will be engaged in mandatory lab assignments as well as being allowed to design/build their own projects throughout the year. All students shall be required to perform maintenance on lab equipment.
Safety glasses required.

WOOD TECHNOLOGY

6703 INTRODUCTION TO WOODWORKING

Prerequisite: None
Grades: 9, 10, 11, 12
Semester/.5 credit

This class is a hands-on woodworking course where students will gain experience reading and sketching drawings, measuring, cutting, joining, and finishing wood while constructing woodworking projects. Students will learn to use many tools and safe work habits.
Safety glasses are required.

6713 FURNITURE AND CABINETRY

Prerequisite: Introduction to Woodworking.
Grades: 10, 11, 12
Semester/.5 credit

Furniture and cabinetry will stress the safe and proper use of hand and machine tools commonly used to shape and form wood. Students will learn to read blue prints and be required to draw plans and compute the cost of their projects. Common fasteners and various methods of finishing will also be discussed.

6716 FURNITURE AND CABINETRY II

Prerequisite: Introduction to Woodworking.
Grades: 10, 11, 12
Semester/.5 credit

Furniture and cabinetry will stress the safe and proper use of hand and machine tools commonly used to shape and form wood. Students will learn to read blue prints and be required to draw plans and compute the cost of their projects. Common fasteners and various methods of finishing will also be discussed.

6723 ADVANCED WOOD TECHNOLOGY

Prerequisite: 1 Semester of Furniture and Cabinetry
Grades: 11, 12
Semester/.5 credit

This course deals with modern and conventional technologies of working with wood. Included is design, programming and machining on a CNC router and lathe using Mastercam software. Mastercam is professional software used in manufacturing with automated machines. The course is designed for those students who have a great deal of interest in these areas. Students in this course are required, either as a group or as individuals to plan their own lab work under one of the topic areas. COURSE FEE, plus project cost.

6726 ADVANCED WOOD TECHNOLOGY II

Prerequisite: 1 Semester of Furniture and Cabinetry
Grades: 11, 12
Semester/.5 credit

This course deals with modern and conventional technologies of working with wood. Included is design, programming and machining on a CNC router and lathe using MasterCam software. Mastercam is professional software used in manufacturing with automated machines. The course is designed for those students who have a great deal of interest in these areas. Students in this course are required, either as a group or as individuals to plan their own lab work under one of the topic areas.

CO-OP TECHNOLOGY

6731/6732 TECHNOLOGY EDUCATION/AG CO-OP CLASS

Prerequisite: Must have earned 18 credits by the end of the 11th grade school year.
Must have acquired a G.P.A. of C or better in Technology Education courses
Must have earned a minimum of 2 credits in Technology Education area
Must have an attendance record of not more than 18 partial or full days absences for 11th grade. (Absence rate of not more than 10%)
Grade: 12
Year/ 1 credit

This course is a required course for students enrolled in the Tech Ed Co-op program. The course will focus on employment seeking skills, worker relations, verbal and written communications, career advancement, planning, and organizing, as well as other skills which enable success in the work place. Classroom activities will be in correlation with the experiences the student will be having on the work site.

6741/6742 TECHNOLOGY EDUCATION/AG CO-OP WORK SITE

Prerequisite: Technology Education/Ag Co-op Class
Grade: 12
Semester or Year/.5 to 2 credits

This course is to be taken concurrently with TECHNOLOGY EDUCATION/AG CO-OP CLASS. Students must meet all the prerequisites of that class in order to participate in this class. Experience is said to be the best teacher and this course gives the student the opportunity to experience on-the-job training at a work site of their choice. Students are responsible for securing a work site over the summer in a related field to Tech Ed. Related Tech areas are Auto, Metals, Graphics, Woods, Electrical, Drafting, and Graph Communications. Students are released to their work site during the afternoon. Hourly wages and high school credit are earned. The student needs to acquire a minimum of 15 work hours per week to qualify for credit. Students may select one of the following credit options.

- 2 credits Work release 3 periods all year
- 1 credit Work release 2 periods all year
- 1 credit Work release 3 periods one semester
- .5 credit Work release 2 periods one semester

OTHER OFFERINGS

6743/6744 TECHNOLOGY AND ENGINEERING EDUCATION CAPSTONE

Prerequisites: Advanced Engineering or Advanced Wood Technology II or Machine Shop I or Graphic Production or Advanced Video Production or Advanced Architecture
Grade: 12
Year / 1 Credit

This class is for students that have successfully completed their Technology Education and Engineering strand in the above mentioned prerequisites by the end of their junior year. In place of a student signing up for an independent study class they would enroll in this course. The students taking this class can expect to work in group and individual settings, in order to enhance their learning and prepare them to be Career and College ready. During the course of this class the students will be preparing for and competing against peers from around the state at the Skills USA competition along with other personalized learning opportunities.

YOUTH APPRENTICESHIP IN CONSTRUCTION OR MANUFACTURING RELATED FIELDS

The Wisconsin Youth Apprenticeship program integrates school-based and work-based learning. Students accepted into an approved Youth Apprenticeship program will continue taking classes at their high school while working as an apprentice at a participating business. Students will be enrolled in a technical class related to their youth apprenticeship program. These courses may be offered at either their high school or off campus.

Level One:	**Level Two:**
Junior OR Senior Year of High School	**Junior AND Senior year of High School**
450 hours of work-based learning MINIMUM	**900 hours of work-based learning MINIMUM**
2 semesters of related classroom instruction	**4 semesters of related classroom instruction**

Key elements of the youth apprenticeship program are:

- **Industry-developed skill standard**
- **Exposure to multiple aspects of the industry**
- **Skilled Mentors assigned to train students**
- **Paid on-the-job work experience**
- **Related classroom instruction concurrent with work-based learning**
- **Curriculum guidelines for all programs**
- **Performance evaluation of demonstrated competencies**
- **State-issued skill certificate.**

WORLD LANGUAGE

The World Language Department encourages students to understand the cultures and languages of other countries. Emphasis is on conversation in the modern languages.

Because an increasing number of Americans are bi-lingual, because many Americans today work and travel abroad, and because it is helpful to know the roots of one's own language and other languages as well, it is more important now than ever before to have knowledge of another language. Spanish, German and French provide the student with conversational ability in their respective languages. Students successfully completing upper level foreign language classes may have opportunities to gain college credit.

1311/1312 FRENCH I
Prerequisite: C in English or approval of teacher
Grades: 9, 10, 11, 12
Year/ 1 credit

Learn to speak French! French is spoken in approximately 40 countries in the world. Core components of the course include reading, writing, listening, and speaking basic French, as well as discussion of Francophone cultures. At the end of this course students should be able to: communicate about themselves, the activities they and others do, and about where they live; describe themselves and others; order food and drink; discuss time, weather and dates.

1321/1322 FRENCH II
Prerequisite: C in French I or approval of teacher
Grades: 9, 10, 11, 12
Year/ 1 credit

Learn to speak French! French is the only language other than English spoken on five continents. Core components include reading, writing, listening, and speaking basic French, as well as discussion of Francophone cultures. At the end of this course students should be able to discuss places, shopping, weekend and daily activities, and meals. They should be able to discuss these topics in basic past, present, and future tenses.

1331/1332 FRENCH III
Prerequisite: C in French II or approval of teacher
Grades: 10, 11, 12
Year/ 1 credit

Learn to speak French! More than 90 million people speak French as their native language in the world. Core components of the course include reading, writing, listening, and speaking basic to intermediate French as well as discussion of Francophone cultures. At the end of this course students should be able to discuss free time activities, sports, where they live, and vacations. They should be able to discuss these topics in present, two past tenses, the future, and the conditional tenses. Object pronouns are also taught and practiced at this level.

1341/1342 FRENCH IV
Prerequisite: C in French III or approval of teacher
Grades: 11, 12
Year/ 1 credit

Core course components include reading, writing, listening, and speaking intermediate French, as well as discussion of Francophone cultures. More emphasis is placed on writing original compositions and reading more in-depth articles in French. At the end of this course students should be able to discuss a variety of topics using more complicated grammar and using more detailed vocabulary.

1351/1352 FRENCH V

Prerequisite: C in French IV or approval of teacher
Grade: 12
Year/ 1 credit

Le français est une des deux langues officielles du Canada, un de nos plus grands partenaires de commerce. The core components of the course include reading, writing, listening, and speaking more advanced French, as well as discussion of Francophone cultures. Increased emphasis is placed on writing original compositions and reading more in-depth articles in French. At the end of this course students should be able to discuss at length various topics using a variety of vocabulary, verb tenses, and grammar. **Can be taken for college credit with paid college fee**

9041A/9042A IB FRENCH B SL/HL I

Prerequisite: Successful completion of French III
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB French is a two-year course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the first year of the course. The objective is to help students progress in the French proficiency language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and language concepts. Students will foster a sensitivity and open-mindedness to various cultural aspects of the French speaking world. The IB exam is taken in May of the second year of IB French. Successful completion of this course is required to enroll in IB French II where students will have the opportunity to earn college credits from UWGB. Students who chose to test may earn college credits for taking this course.

9041B/9042B IB FRENCH B SL/HL II

Prerequisite: Successful completion of IB French I
Grade: 12
Year/ 1 credit
Weighted Grading

IB French is a two year course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the second year of the course. The objective is to help students progress in the French proficiency language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and language concepts. Students will foster sensitivity and open mindedness to various cultural aspects of the French speaking world. The internal assessments will be completed in February and March and the IB exam is taken in May. The exam will consist of both an oral test and written test. The IB exam is optional. IB French II is a College Credit in High School course with UWGB. Students who choose to enroll will earn 11 retro-active credits and 3 French credits on an official UWGB transcript. These credits are offered to students at a significant discount and are transferable to other universities upon graduation. Students who chose to test may earn college credits for taking this course.

1361/1362 SPANISH 1

Prerequisite: C in English or approval of teacher
Grades: 9, 10, 11, 12
Year/ 1 credit

In the first year of Spanish, students focus on the four language skills: listening, speaking, reading and writing. They learn the fundamentals of the Spanish language and quickly begin having basic conversations! As the year progresses, students learn a lot of new vocabulary and grammar via a variety of activity styles intended to appeal to all types of learners. Topics covered include: numbers, colors, alphabet, personality traits, physical descriptions, food, and more! Additionally, students learn about various cultural topics from Spanish-speaking countries around the world, including Day of the Dead.

1371/1372 SPANISH 2

Prerequisite: C in Spanish 1 or approval of teacher
Grades: 9, 10, 11, 12
Year /1 credit

In the second year of Spanish, students continue to learn the fundamentals of the Spanish language and improve on their ability to have basic conversations. Students continue to discuss events and activities that are happening in the present tense and for the first time, students are able to talk about the past through the use of the preterite tense. Topics covered include: food, sports, travel, and daily routine. Additionally, students will learn about various cultural topics from Spanish-speaking countries around the world, including Day of the Dead and Selena.

1381/1382 SPANISH 3

Prerequisite: C in Spanish 2 or approval of teacher
Grades: 10, 11, 12
Year/ 1 credit

In the third year of Spanish, students will focus on developing fundamental language skills such as communication and literacy in the Spanish language. Students will also continue to work on mastering the present tense as well as build upon their skills to communicate about the past by reviewing the preterite tense and introducing the imperfect tense. This course will also cover a number of cultural topics such as sports, ancient civilizations, and family to increase students' awareness and appreciation for the cultural diversity of the Spanish speaking world.

1383/1384 ADVANCED SPANISH 3

Prerequisite: Successful completion of Spanish 2 and teacher recommendation
(This course is highly recommended but not required for students who plan to take IB Spanish)
Grades: 9, 10, 11, 12
Year/ 1 credit

Advanced Spanish is a course designed for students who desire an accelerated immersion style study of the language. This course will move quickly and cover the concepts from Spanish 3 and Spanish 4 in one year. The objective is to help students progress in the Spanish proficiency language skills of listening, reading, writing, and speaking while exploring the Spanish speaking world. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, realia and language concepts. Upon successful completion of the course students will be prepared to enter IB Spanish or Spanish V. This course is highly recommended for sophomores considering taking IB Spanish during junior and senior year.

1391/1392 SPANISH 4

Prerequisite: C in Spanish 3 or approval of teacher
Grades: 11, 12
Year/ 1 credit

Spanish 4: the year that it all starts really coming together! The primary goal of Spanish 4 is to start transitioning students' skills and abilities to upper-level Spanish thinking. Students increase vocabulary and grammar skills through leveled-assessments and project-based units. Spanish 4 students increase their listening and speaking skills through literature, history, and movie units, leading to an immersion-style, almost exclusively Spanish second semester.

1401/1402 SPANISH 5

Prerequisite: C in Spanish 4 or approval of teacher
Grade: 12
Year/ 1 credit

The primary goal of Spanish 5 is to best prepare students for college-level Spanish. Students should expect to demonstrate Spanish skills through a variety of speaking, writing, reading, and listening activities. The first semester focuses on building and refining upper-level Spanish skills, while the second semester becomes a project-based class. The capstone project in second semester is the reading of an authentic novel and the court case scenario. Other major topics include: Spanish music, telenovelas, food, art, and cinema.

9061A/9062B IB SPANISH B SL/HL 1

Prerequisite: Successful completion of Spanish 3 (successful completion of Advanced Spanish 3 is highly recommended but not required)
Grade: 11 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB Spanish is a two-year project based learning course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). The course is taught immersion style, but some English will be used in the class to learn difficult concepts. This is the first year of the course. The objective is to help students progress in the Spanish proficiency language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, literature and authentic communication. Students will learn about the presence of Spanish in our community and "travel" to Spain to foster a sensitivity and open-mindedness to cultural aspects of the Spanish speaking world. The IB exam is optional and will be taken in May of the second year of IB Spanish. Successful completion of this course is required to enroll in IB Spanish II where students will have the opportunity to earn college credits from UWGB.

9061C/9062D IB SPANISH B SL 2
9061D/9062E IB SPANISH B HL 2

Prerequisite: Successful completion of IB Spanish 1
Grade: 12
Year/ 1 credit
Weighted Grading

IB Spanish is a two-year project based learning course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). The course is taught immersion style. This is the second year of the course and very little English will be used in the class. The objective is to help students progress in the Spanish proficiency language skills of listening, reading, writing, and speaking. This year we will "travel" to Costa Rica and all students will read an authentic novel in Spanish. There will be emphasis on cultural awareness and interpersonal communication as students participate in video conferences with native speakers in real world situations via TalkAbroad. The IB internal assessments will be completed in spring and the IB exam is taken in May. The IB exam is optional. IB Spanish II is a College Credit in High School course with UWGB. Students who choose to enroll will earn 11 retro-active credits and 3 Spanish credits on an official UWGB transcript. These credits are offered to students at a significant discount and are transferable to other universities upon graduation.

1400 CONVERSATION FOR CAREERS

Prerequisite: Successful Completion Spanish 2
Grades: 10, 11, 12
Semester/ .5 credit

Do you ever anticipate interacting with Spanish speakers in your current workplace? This course will give you the skills, vocabulary, and experience to help you successfully navigate a conversation with a native speaker in a professional setting. We will focus on advanced conversational skills, translation services, workplace vocabulary, and cultural differences amongst different Spanish speaking cultures.
This course will be conducted in an English-Spanish blend. A student who has finished Spanish 2 successfully and has a positive attitude toward learning languages will do well with the amount of Spanish utilized

1410 SPANISH FOR THE MEDICAL FIELD

Prerequisite: Successful Completion of Spanish 2
Grades: 10, 11, 12
Semester/ .5 credit

This course is an elective Spanish class that will allow students to explore Spanish for use in a medical profession. Study will focus on medical and conversational vocabulary for use in hospital and/or clinic settings. This course will also explore different careers in the medical area that require or benefit from being bilingual. Assessments will focus on vocabulary tests and projects, skits and scenarios, and a career-exploration project.
This course will be conducted in an English-Spanish blend. A student who has finished Spanish 2 successfully and has a positive attitude toward learning languages will do well with the amount of Spanish utilized.

1411/1412 GERMAN I

Prerequisite: C in English or approval of teacher
Grades: 9, 10, 11, 12
Year/ 1 credit

The primary goal of the German program is to help students develop proficiency in the four basic skills: listening, speaking, reading and writing. The program also aims to increase the students' knowledge and appreciation of the German culture. This course uses several activities with a variety of methods of assessments. Participation in class is the key to succeeding at this level.

1421/1422 GERMAN II

Prerequisite: C in German I or approval of teacher
Grades: 9, 10, 11, 12
Year/ 1 credit

The second year of German continues to emphasize speaking and listening skills. There is a stronger focus on reading and writing in the second year. The goal is to effectively communicate in German, with an increased knowledge of vocabulary and verb tenses. Discussion of culture will be continued. The emphasis is still strongest in communication and written performance. Participation in class is an important element for success at this level.

1431/1432 GERMAN III

Prerequisite: C in German II or approval of teacher
Grades: 10, 11, 12
Year/ 1 credit

This course is designed to expand students' listening, speaking, reading and writing skills in order to communicate in everyday and social situations. Students will become familiar with German traditions, geography, and history. The students will also continue to expand on their writing skills, focusing on formal grammar instruction, producing short essays, doing presentations and various projects including writing a children's book in German.

1441/1442 GERMAN IV

Prerequisite: C in German III or approval of teacher
Grades: 11, 12
Year/ 1 credit

Students will participate actively using listening, speaking and written skills in the classroom. They will be required to read longer works of literature, newspapers, etc. and discuss them in German. Grammar skills will be reviewed as they appear in literature and essay assignments. Students will go beyond the past, present, and future tenses in written and oral forms, and incorporate other complex grammar. Culture is integrated throughout the course in above mentioned readings, photos, and realia.

1451/1452 GERMAN V

Prerequisite: C in German IV or approval of teacher
Grade: 12
Year/ 1 credit

In Deutsch V werden wir auf Deutsch sprechen. Wir werden mit fortgeschrittenen Lesungen, Literatur, Geschichten und Grammatik weitermachen. Wir werden viel lesen, schreiben, sprechen und natürlich für die Universitätseintrittsprüfung üben. (Parents: for a translation, ask your child.)
Can be taken for college credit with paid college fee

9051A/9052A IB GERMAN B SL/HL I

Prerequisite: Successful completion of German III
Grade: 11, 12 (This is a two-year course covering Junior and Senior year)
Year/ 1 credit
Weighted Grading

IB German is a two-year course designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the first year of the course. The objective is to help students progress in German proficiency in the primary language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and student involvement in the discovery of language concepts.
The students will be assessed via language, cultural interaction, and message. In the language component, students will learn to navigate the language system, both written and oral, with increasing accuracy. Students will discover cultural interactions using a variety of authentic resources such as texts, media, technology, and realia. As a result they will learn to select language that is appropriate to the cultural and social context. Students will show appropriate communication and organization of ideas in order to convey their message. Through the exploration of these areas of study students will foster a sensitivity and open-mindedness to various cultural aspects of the German speaking world. The IB exam will be taken in May of the second year. Successful completion of this course is required to enroll in IB German II where students will have the opportunity to earn college credits from UWGB. Students who chose to test may earn college credits for taking this course.

9051B/9052B IB GERMAN B SL/HL II

Prerequisite: Successful completion of IB German I
Grade: 12
Year/ 1 credit
Weighted Grading

IB German II is a continuation of IB German I and is the second year of the program. It is designed for students who want to become global citizens proficient in a language other than their mother tongue(s). This is the second year of the course. The objective is to help students progress in German proficiency in the primary language skills of listening, reading, writing, and speaking. There will be emphasis on cultural awareness, interpersonal interaction, history, literature, authentic communication, and student involvement in the discovery of language concepts.
The students will be assessed via language, cultural interaction, and message. In the language component, students will learn to navigate the language system, both written and oral, with increasing accuracy. Students will discover cultural interactions using a variety of authentic resources such as texts, media, technology, and realia. As a result they will learn to select language that is appropriate to the cultural and social context. Students will show appropriate communication and organization of ideas in order to convey their message. Through the exploration of these areas of study students will foster sensitivity and open mindedness to various cultural aspects of the German speaking world. The internal assessments will be completed in February and March and the IB exam will be taken in May. The IB exam is optional. IB German II is a College Credit in High School course with UWGB. Students who choose to enroll will earn 11 retro-active credits and 3 German credits on an official UWGB transcript. These credits are offered to students at a significant discount and are transferable to other universities upon graduation.
Students who chose to test may earn college credits for taking this course.

ADDITIONAL ELECTIVE COURSES

1170F **CONCEPTS, ISSUES AND FIELD EXPERIENCE IN EDUCATION**
UWGB EDU208
Grades 11, or 12
.5 elective credit for Bay Port, 3 college credits at UWGB – transferable to any course

This course teaches the practical skills and dispositions needed to work effectively with children, teachers, staff, and administrators in various K-12 learning environments and will help students think in new and informed ways about teaching, learning, and a profession in education. Successful completion earns students 3 college credits at the University of Wisconsin Green Bay, transferable to any university program. This course offers blended instruction; students should be prepared to learn in class, in the field, and online. To meet off-campus expectations, students must have reliable transportation and parent/guardian permission to travel during the school day.

09004E **MINDFUL U**
Prerequisite: None
Grade:10,11,12
Semester / .5 credit

Mindfulness is paying attention, on purpose, in the present moment, non-judgmentally. Practicing mindfulness decreases stress and anxiety, increases attention, improves interpersonal relationships and strengthens compassion. In this course, you will learn how to engage in self-care and self-compassion to enhance your overall well-being, feel more centered in difficult situations, and find new ways to cope with anxiety, stress, and challenging emotions.

5026 **DEVELOPING YOUNG LEADERS I**
Prerequisite: None
Grades: 10, 11, 12
Semester/.5 credit

This course introduces students to concepts and skills related to leadership and leadership styles. Developing Young Leaders will provide an opportunity for students to examine how attitudes about themselves and others influence leadership behavior. This course is designed to teach high school students the values of citizenship, personal responsibility, life successes, perspective and wellness. Students will determine what positive leadership qualities they have and create individual or cooperative activities to expand and develop those qualities. Our end result is to develop the necessary skills for students to make a positive impact in our school or community.

6454 **NURSING ASSISTANT - OFFERED AT BELLIN COLLEGE OR NWTC**
Prerequisite: Introduction to Health Science
Grades: 11, 12
Semester/.75 credit

This course prepares students for employment as nursing assistants. Upon successful completion of the course, the student is eligible to take the Wisconsin Nursing Assistant Competency Evaluation to become certified for employment in a variety of healthcare establishments. This course is held off site at either Bellin College or NWTC outside of the regular school day; it may include some weekends. An application and additional enrollment steps are required. A course fee may apply. Please contact your counselor for more information.