Green Bay Area
Public School District

Engagement. Equity. Excellence.

HIGH SCHOOL

(Grades 9-12)

Academic and Course Planning Guide

2027-2028 School Year

Detailed course description information is available online at www.gbaps.org.

INFORMATION AND ASSISTANCE AVAILABLE

Any student or parent may contact one of the counselors or administrators for assistance in career planning or course selections. This information may also be found on the school district's website, www.gbaps.org

EAST HIGH SCHOOL

Main Office: (920) 448-2090

Student Services: (920) 448-2092

JOHN DEWEY ACADEMY OF LEARNING

Main Office: (920) 272-7074

DR. ROSA MINOKA-HILL SCHOOL (K-12)

Main Office: (920) 448-2150

NORTHEAST WISCONSIN SCHOOL OF INNOVATION

Main Office: (920) 272-7658

PREBLE HIGH SCHOOL

Main Office: (920) 391-2400

Student Services: (920) 391-2402

SOUTHWEST HIGH SCHOOL

Main Office: (920) 492-2650

Student Services: (920) 492-2652

WEST HIGH SCHOOL

Main Office: (920) 492-2600

Student Services: (920) 492-2602

ALDO LEOPOLD COMMUNITY SCHOOL (K-8)

Main Office: (920) 448-2140

Student Services: (920) 448-2140

EDISON MIDDLE SCHOOL

Main Office: (920) 391-2450

Student Services: (920) 391-2452

FRANKLIN MIDDLE SCHOOL

Main Office: (920) 492-2670

Student Services: (920) 492-2672

LEONARDO DA VINCI SCHOOL FOR GIFTED LEARNERS (K-8)

Main Office: (920) 448-2135

LOMBARDI MIDDLE SCHOOL

Main Office: (920) 492-2625

Student Services: (920) 492-2627

RED SMITH SCHOOL (K-8)

Main Office: (920) 391-2425

Student Services: (920) 391-2510

WASHINGTON MIDDLE SCHOOL

Main Office: (920) 448-2095

Student Services: (920) 448-2097

Interpreters are available to assist families.
Please contact your student's school for additional information.

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College, Career, and Community Ready:
PORTRAIT OF A GBAPS GRADUATE

The GBAPS Portrait of a Graduate was developed through a robust process that engaged staff, students, families, and community members. The Portrait collaboratively created from the input of students, staff, families, and community members as a collective vision of the skills, traits, and characteristics each student should obtain prior to graduation.



Academic Achievers perform at high levels in their studies and demonstrate a commitment to learning.

Communicators and Connectors effectively communicate and collaborate with others, showing teamwork and empathy.

Personal Architects take responsibility for their actions and choices, actively pursuing personal growth with a vision for their own successes.

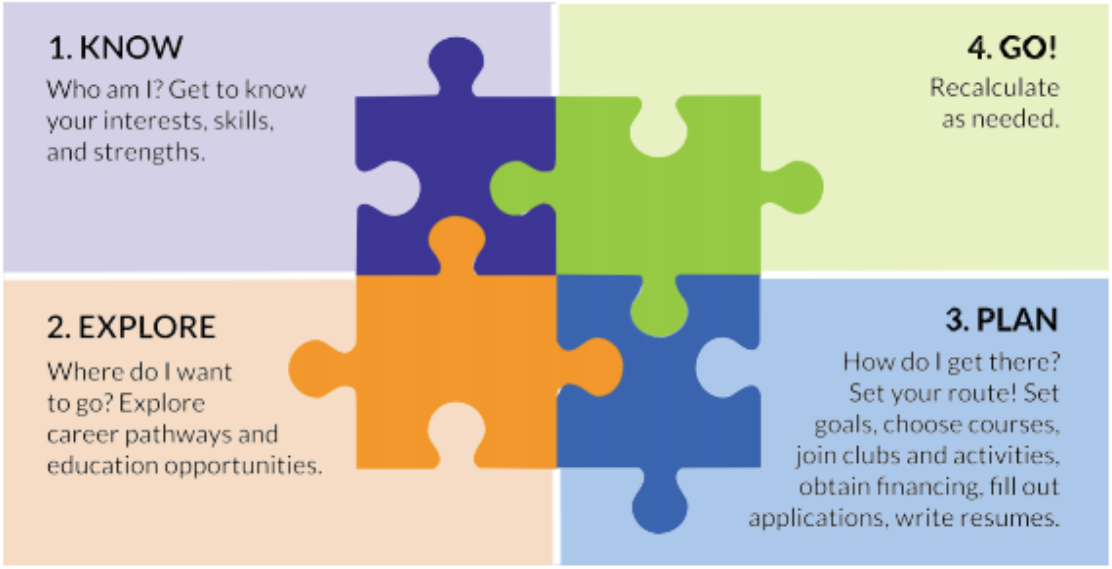
Leaders and Teammates exhibit the qualities to lead and inspire others, as well as work collaboratively.

Empowered Navigators develop and sharpen practical skills to journey through everyday life.

College, Career, and Community Ready:
ACADEMIC AND CAREER PLANNING

ACP Academic and Career Planning
Awareness • Collaboration • Possibilities

4 Stages to Successful Academic and Career Planning (ACP)



Academic and Career Planning is a student's journey to develop awareness of self, through exploration and collaboration with parents, educators, and mentors, opening the door to endless possibilities.

The ACP process encompasses the activities, instruction, resources, experiences, and opportunities provided by the school district in partnership with our community to assist students in developing and implementing a plan for their academic and career future.

Tools to support ACP:

- Online Tools: Xello, Infinite Campus, Parchment
- Testing Results: PALS, STAR, State testing, PreACT, PSAT, ACT, WorkKeys, ASVAB
- Course opportunities: AP, IB, Dual Credit, Early College Credit Program and Start College Now, Specialized Programs and Schools
- Industry-recognized Credentials
- Work-based learning experiences
- Community involvement
- Individual Student Planning Conferences

INDIVIDUAL STUDENT PLANNING CONFERENCES

Individual Student Planning Conferences are a key ingredient of the student planning process. School Counselors direct this opportunity to assist students in the planning, monitoring, and managing of their academic, career, and personal development. Through these activities, students are encouraged and given opportunities to set and evaluate their educational and career goals and make connections to activities that will support goal achievement.

Individual Student Planning Conferences are scheduled for all freshman and juniors and include both students and parents. Topics discussed, in the 9th Grade Conference, support a successful transition to high school, including resources available to students and parents/guardians, career goals, 4-year course planning, credits and graduation requirements, and co-curricular participation. Topics discussed in the 11th Grade Conference focuses on the student's transition from junior to senior year and to life after high school, including career goals, education and/or employment planning post-high school, scholarships, financial aid, transcript review (graduation requirements), and senior-year course selection. The Individual Student Planning Conference provides a great opportunity for the student and parents/guardians to meet with their school counselor to ask questions about high school and discuss short-term and long-term academic and career goals and planning.

POSTSECONDARY PATHWAYS

As students are considering their postsecondary goals, they should also be investigating the pathway(s) after high school that will best allow them to achieve the goals.

- College: postsecondary education at a four-year, two-year, or technical college
- Registered Apprenticeship: an industry sponsored program that combines formal training and employment
- Military: joining one of the branches of the United States Military
- Gap Year Program: a formal program of experiential learning taken after high school and before enrolling in college or entering the workforce
- Employment: directly entering the workforce after high school

Each pathway has preparation for students to complete during high school and the advising process will support students in completing the requirements.

ACADEMIC AND CAREER PATHWAYS

As students are considering their postsecondary goals, they should also be investigating the pathway(s) that will best allow them to achieve those goals. Academic and career pathways combine course options, experiential learning, and work experiences. These pathways allow students to explore potential options during high school to help identify the direction they want to go after graduation.

THE CAREER CLUSTERS

Career Clusters link what students learn in school with the knowledge and skills they need for success in the future. Career Clusters identify pathways from high school to technical, two- and four-year colleges, graduate school, and the workplace so that students can learn in school what they can do in the future.

These 14 career clusters represent all career possibilities. They are an ideal way to organize course selection and student work-related experiences. Understanding career clusters prepares students for a wide range of careers by helping students achieve academic success and improved employment outcomes. For more information on career clusters and pathways, see your school counselor and visit https://careertech.org/career-clusters.

The Green Bay Area Public School District provides opportunities for students to study all 14 career clusters. The district has specific pathways in many of the career clusters. Flyers for these pathways can be found below. Students should speak with their School Counselor if they have questions about career clusters or programs of study.

ADVANCED MANUFACTURING

The Cluster blends innovative technologies and practices to enhance design and production. It aims to increase efficiency, reduce waste, ensure safety, and produce high-quality goods, driving the industry's growth and adapting to modern demands.
Sub-clusters: Engineering, Industrial Machinery, Production and Automation, Robotics, Safety and Quality Assurance

AGRICULTURE

The Cluster concentrates on scientific advancement of agriscience, cultivation, processing, and distribution of agricultural products, employing advanced technologies and sustainable practices to optimize global food systems. This Cluster also supports other plant- and animal-based industries including regenerative agriculture, sustainable logging, and fisheries.
Sub-clusters: Agribusiness, Agricultural Technology and Automation, Animal Systems, Food Science and Processing, Plant Systems, Water Systems

ARTS, ENTERTAINMENT, AND DESIGN

The Cluster combines creative roles in visual and performing arts, film, journalism, fashion, interior design, and creative technologies. It focuses on creating, producing, and sharing artistic and design work across multiple platforms, aiming to entertain, inform, beautify, and inspire.
Sub-clusters: Design and Digital Arts, Fashion and Interiors, Fine Arts, Lighting and Sound Technology, Media Production and Broadcasting, Performing Arts

CONSTRUCTION

The Cluster focuses on professions involved in designing, planning, managing, and executing projects in the built environment. It emphasizes sustainable building practices to ensure that structures are both environmentally responsible and resilient.
Sub-clusters: Architecture and Civil Engineering, Construction Planning and Development, Equipment Operation and Maintenance, Skilled Trades

DIGITAL TECHNOLOGY

The Cluster focuses on developing digital systems for communication and data storage using critical technologies such as artificial intelligence (AI), data analytics, and cybersecurity. It builds skills necessary for all careers to navigate and lead in the constantly evolving tech landscape and drives innovation across all industries to tackle complex challenges and opportunities in communities and economies.
Sub-clusters: Data Science and Artificial Intelligence, Information Technology (IT) Support and Services, Network Systems and Cybersecurity, Software Solutions, Unmanned Vehicle Technology, Web and Cloud

EDUCATION

The Cluster spans careers aimed at fostering learning from early childhood to adulthood. It emphasizes quality education standards and lifelong learning, preparing individuals for success through all life stages by nurturing knowledge, skills, and critical thinking and encouraging personal and societal growth in a constantly evolving world.

Sub-clusters: Early Childhood Development, Education Administration and Leadership, Learner Support and Community Engagement, Teaching, Training, and Facilitation

ENERGY and NATURAL RESOURCES

The Cluster spans careers in traditional and renewable fuel production, power generation and energy conversion, utilities, environmental preservation, ecological research, and resource extraction. These industries focus on efficient and responsible resource management, including conservation, transmission, distribution and storage, to minimize environmental impacts and meet global energy needs. Careers are dedicated to creating a sustainable future, innovating cleaner energy solutions, and preserving our planet's natural resources for generations to come.

Sub-clusters: Clean and Alternative Energy, Conservation and Land Management, Ecological Research and Development, Environmental Protection, Resource Extraction

FINANCIAL SERVICES

The Cluster encompasses careers that contribute to economic stability and growth by supporting the financial health of individuals and organizations.

Sub-clusters: Accounting, Banking and Credit, Financial Strategy and Investments, Insurance, Real Estate

HEALTH CARE AND HUMAN SERVICES

The Cluster promotes whole health in individuals and communities through a diverse array of services. By addressing social determinants of health and leveraging health data and science, this Cluster aims to enhance the overall health and resilience of individuals, families, and communities.

Sub-clusters: Behavioral and Mental Health, Biotechnology Research and Development, Community and Social Services, Health Data and Administration, Personal Care Services, Physical Health

HOSPITALITY, EVENTS, AND TOURISM

The Cluster encompasses a broad range of services and experiences related to food and beverage, lodging, travel, events, and conferences. It focuses on delivering quality customer service, memorable experiences, and seamless logistics to cater to the needs and preferences of guests, tourists, and event participants.

Sub-clusters: Accommodations, Conferences and Events, Culinary and Food Services, Travel and Leisure

MANAGEMENT AND ENTREPRENEURSHIP

The Cluster involves skills and occupations that are essential across all industries. It ensures that businesses across all industries efficiently meet their goals, adapt to market changes, and maintain competitive advantage. By emphasizing entrepreneurship, this Cluster supports the creation of new ventures, driving economic growth and innovation and making it a cornerstone of modern economies.

Sub-clusters: Business Information Management, Entrepreneurship and Small Business, Leadership and Operations, Project Management, Regulation

MARKETING AND SALES

The Cluster focuses on promoting products, understanding consumer needs, engaging with communities, and driving sales. It builds strong customer connections and supports business growth. This Cluster is essential in all industries for creating value, effectively reaching and engaging target audiences, and achieving commercial success in a competitive marketplace.

Sub-clusters: Market Research, Analytics, and Ethics, Marketing and Advertising, Retail and Customer Experience, Strategic Sales

PUBLIC SERVICE AND SAFETY

The Cluster encompasses roles in local, state, and federal government; legal and justice systems; security; and military operations, all aimed at promoting civic responsibility and ensuring the well-being, security, functionality, and resilience of communities, states, and countries.

Sub-clusters: Emergency Response, Judicial Systems, Local, State and Federal Services, Military and National Security, Public Safety

SUPPLY CHAIN AND TRANSPORTATION

The Cluster encompasses the transfer, coordination, and management of goods from production to consumption, ensuring efficient movement across various modes of transportation including air, ground, and water, as well as maintenance of the respective transport modes. It integrates logistics and distribution networks to facilitate the seamless flow of materials and products, playing a crucial role in global commerce, economic development, and community health.

Sub-clusters: Air and Space Transportation, Ground and Rail Transportation, Maintenance and Repair, Marine Transportation, Planning and Logistics, Purchasing and Warehousing

The Career Clusters logo and its extensions are registered trademarks of Advance CTE. Our use of them does not imply an affiliation with or endorsement by Advance CTE.

GRADUATION REQUIREMENTS

	CREDITS
English Language Arts	*4.0*
Mathematics	*3.0*
Science	*3.0*
Social Studies	*3.0*
*Physical Education***	*1.5*
Personal and Financial Literacy	*0.5*
Health	*0.5*
Electives	*6.5*
TOTAL	***22.0***

Wisconsin Civics Graduation Requirement
In order to receive a high school diploma, students must meet the Civics Test Requirement outlined in Wisconsin Statute 118.33(1m)(a).

The minimum grade, which is considered "passing" in the Green Bay Area Public Schools, is the letter grade "D-." Under no circumstances will a student receive credit toward graduation in any course in which an "F" is given as the final grade.

***All students must earn 1.5 Credits of physical education to fulfill the graduation requirements. These 1.5 Credits **must** be taken in three (3) separate years to support the goal of staying active each school year. Exceptions will be made if a student has failed a class and needs to make up the credit. If a student does not satisfactorily complete 1.5 Credits of physical education for any reason other than a medical excuse, the student will not have met the board of education requirements for graduation and will not graduate. Students will decide during the registration process each year whether to take physical education either on a pass/fail basis (not included in the grade point average) or for a letter grade (included in the grade point average). Students may change their grading choice for physical education (pass/fail basis or letter grade) until the day before school starts in the fall for either the first or the second semester of that school year. The decision is final for the year the choice was selected. However, seniors taking physical education for an elective credit must take it for a letter grade that would be included in the grade point average.*

Please see GBAPS Board of Education Policy and Rule 345.6 for more information about graduation requirements.

POST-SECONDARY EDUCATION PLANNING

Students planning to attend either a technical college or university must pay very careful attention to admissions requirements prior to selecting their high school courses. In most cases, college requirements exceed the minimum requirements needed to graduate from high school. **Admission requirements vary considerably depending upon the college or university the student plans to attend and the major field of study they plan to pursue. It is essential that students and parents check with individual university admission offices regarding specific college entrance requirements, as well as acceptance of high school coursework for college credit. Xello is also a good source for information regarding college admission requirements.** The majority of colleges/universities require ACT/SAT test scores. The following samples are admission standards at various institutions. ***Students should discuss post-secondary planning and college entrance requirements at their Individual Student Planning Conference with their school counselor.***

ADMISSION SAMPLES

Universities of Wisconsin

Subject	Credits
English Language Arts	4
Mathematics	3
Algebra 1	
Geometry	
One upper level course	
(Algebra 2/Algebra 2 for Pre-Calculus/IB Math)	
Science	3
Social Studies	3-4
College Prep Electives	4
From above or world language, fine arts, computer science and other academic areas	

Some universities have slightly different requirements. This course plan is part of the review process for Direct Admit Wisconsin.

For UW-Madison, see Nation's Top Universities, below.

Wisconsin Technical College System

Technical college programs have varying admission standards and some programs have waiting lists. Some technical colleges have GPA requirements for admission and/or require the ACT or other pre-admission testing for their programs. Apply early and seek your counselor's advice regarding your chosen program. Technical preparation should include a comprehensive high school curriculum. The following are recommended high school courses/credits for adequate preparation for technical college programs.

Subject	Credits
English Language Arts	4
Mathematics	3
Science	3
Social Studies	3
Technical Courses	3-4

Nation's Top Universities *(Including UW-Madison)*

Subject	Credits
English Language Arts*	4
Mathematics	4
Science	3-4
Social Studies**	3
World Language***	3-4
College Prep Electives	2
From above, or fine arts, computer science and other academic areas	

* Intensive work in writing
** Includes United States and World History
*** At least one world language

- Best preparation includes the above taken as AP, IB, or Dual Credit, when possible.
- SAT or ACT test plus **three** achievement tests administered by the College Board

Wisconsin's Private Universities

Subject	Credits
English Language Arts	4
Mathematics	3
Science	3
Social Studies	3
World Language	2

- Either ACT or SAT scores
- Strong academic record with preference given to students taking challenging courses.
- Decisions based primarily on the high school record with emphasis placed on grades earned within the context of courses taken.

CLASS RANK

Students and parents should be certain to check the specific rank in class requirements for each individual post-secondary school of their choice, as there are variations from campus to campus.
For example, the University of Wisconsin campuses usually require students to rank in at least the top 50% of the class. Some campuses are more selective with the majority of their students ranking in the top 25% of the class. The University of Wisconsin Center campuses will accept students in the top 75% of the class. In some cases, a lower class rank will be accepted in combination with ACT/SAT scores.

Most of the twenty-one independent colleges in Wisconsin require a rank in the top 50% of the class. Again, there is some variation in this requirement for the individual campuses so **students and parents should check with individual college admission offices for specific requirements.**

FOUR-YEAR PLANNING GUIDE

Minimum/Maximum Registration

Grade 9							
Semester 1				Semester 2			
	Required Registration	**My Course Selections**	Credits		**Required Registration**	**My Course Selections**	Credits
1	English		0.5	1	English		0.5
2	Mathematics		0.5	2	Mathematics		0.5
3	Science		0.5	3	Science		0.5
4	Social Studies		0.5	4	Social Studies		0.5
5	Health*		0.5	5	Physical Education 9**		0.5
6	Electives		0.5	6	Electives		0.5
	Additional Registration				**Additional Registration**		
7	Electives			7	Electives		
Grade 10							
Semester 1				Semester 2			
	Required Registration	**My Course Selections**	Credits		**Required Registration**	**My Course Selections**	Credits
1	English		0.5	1	English		0.5
2	Mathematics		0.5	2	Mathematics		0.5
3	Science		0.5	3	Science		0.5
4	Social Studies		0.5	4	Social Studies		0.5
5	Electives		0.5	5	Physical Education**		0.5
6	Electives		0.5	6	Electives		0.5
	Additional Registration				**Additional Registration**		
7	Electives			7	Electives		
Grade 11							
Semester 1				Semester 2			
	Required Registration	**My Course Selections**	Credits		**Required Registration**	**My Course Selections**	Credits
1	English		0.5	1	English		0.5
2	Mathematics		0.5	2	Mathematics		0.5
3	Science	`	0.5	3	Science		0.5
4	Social Studies		0.5	4	Social Studies		0.5
5	Personal Financial Literacy***		0.5	5	Physical Education**		0.5
6	Electives			6	Electives		0.5
	Additional Registration				**Additional Registration**		
7	Electives			7	Electives		
Grade 12							
Semester 1				Semester 2			
	Required Registration	**My Course Selections**	Credits		**Required Registration**	**My Course Selections**	Credits
1	English		0.5	1	English		0.5
2	Electives (Math Suggested)		0.5	2	Electives (Math Suggested)		
3	Electives (Science Suggested)			3	Electives (Science Suggested)		
4	Electives (Social Studies Suggested)			4	Electives (Social Studies Suggested)		
5	Electives			5	Electives		
6	Electives			6	Electives		
	Additional Registration				**Additional Registration**		
7	Electives			7	Electives		

*The health course is listed in grade 9 as an example only. The course may be taken in grades 8-10.

**Physical Education is listed during Semester 2 as an example only. Students in grades 9-11 must take a semester of physical education each year.

***The Personal and Financial Literacy course is listed in grade 11 as an example only. The course may be taken in grades 11-12 with exceptions recommended by the parent, teacher, and/or counselor and approved by the principal for students in grade 10. See the course description for more information regarding this course.

COLLEGE CREDIT OPPORTUNITIES

Students have multiple opportunities to earn college credits in high school:

- Credit by Exam: Advanced Placement, International Baccalaureate, Project Lead the Way
- Advanced Standing
- Dual Credit
- Early College Credit Program and Start College Now

Credit By Exam

The Green Bay Area Public Schools offer college-level courses for high school students. Upon completion of the course, students may take an exam. A student's score on the exam may allow them to earn college credits.

- **Advanced Placement:** Advanced Placement (AP) courses are approved by the College Board's Advanced Placement Program. AP courses prepare students for the AP exams, which are given in early May. The scores on the exams can result in students earning college credit. See page 108 for more information.
- **International Baccalaureate:** The International Baccalaureate (IB) Diploma Programme at West High School provides students the opportunity to pursue an IB Diploma or Certificate. At the end of the year, students take IB exams. The scores on the exams can result in students earning college credit. See page 14 for more information.
- **Project Lead the Way:** Project Lead the Way (PLTW) courses provide students the opportunity to develop skills for engineering and computer science. At the end of the course, students take assessments, which can result in them earning college credit. See page 109 for more information.

Dual Credit

Dual Credit courses are college courses available during high school. Students enroll in a single high school course that earns high school and college credits at the same time. Dual Credit courses are taught by high school teachers, who have been approved by the college or university.

- Many dual credit courses can be transferred to other colleges and universities. Students should contact their school counselor or their preferred college to see if credits from dual credit courses will transfer.
- Some courses are part of the Universal Credit Transfer Agreement (UCTA) between the University of Wisconsin System and the Wisconsin Technical College System (WTCS).
    - Credits earned in UCTA courses can be transferred to all UW System and WTCS institutions.
    - The credits will meet general education or general degree requirements at UW or WTCS institutions and may include elective credit.
    - For information about UTCA courses, please see https://www.wisconsin.edu/transfer/universal-transfer/

The Green Bay Area Public Schools has dual credit courses available through the following colleges and universities. Course partnerships are indicated in the course descriptions with the college's logo.

NWTC	FVTC	UW-Green Bay	UW-Oshkosh	UW-Milwaukee
NORTHEAST WI Technical College	Fox Valley TECHNICAL COLLEGE	University of Wisconsin GREEN BAY	UWO UNIVERSITY OF WISCONSIN OSHKOSH	UNIVERSITY OF WISCONSIN MILWAUKEE

Enrollment
Students interested in taking a dual credit course enroll the same as for any high school course.

- **Northeast Wisconsin Technical College (NWTC) -** college enrollment occurs automatically
- **Fox Valley Technical College (FVTC) -** students enroll with FVTC at the beginning of the course.
- **University of Wisconsin-Green Bay (UWGB), University of Wisconsin-Milwaukee (UWM), and University of Wisconsin-Oshkosh (UWO) -** Students must complete the college application process before the course begins. They then enroll in the college course at the beginning of the course.

Grades, Credits, and Transcripts
Students in Dual Credit courses will receive letter grades based upon their performance related to the class expectations. The grade will be included in the high school GPA calculation and credit is awarded, depending on the grade earned. For passing grades (A-D), students will earn 0.25 high school credits per college credit.

***Important Note:** *All letter grades appear on the college transcript. Grades of D or F can impact a student's academic standing in college or eligibility for financial aid.*

Advanced Standing
Advanced Standing courses are part of a formal agreement between the school district and Wisconsin Technical College System schools. It ensures that students that successfully complete courses in high schools will not have to retake comparable courses when they enroll in a technical college. A student must earn at least an 85% grade average (equivalent to a B) or higher to be eligible for advanced standing credit. The student must be accepted and enrolled in a Wisconsin Technical College System School career program and request the transfer of credit.

Early College Credit Program and Start College Now
Students have the opportunity to enroll in technical college, two-year college, and four-year college courses while still enrolled as high school students. In September and February each year, students can begin the enrollment process for the following semester by completing an application form. School counselors have complete details regarding program eligibility requirements and procedures.

Important Notes:

- *The district only pays for the required costs related to course completion (tuition, fees, required resources, etc.). If a student does not complete a course, any partial tuition or withdrawal fees are the responsibility of the family.*
- *All Early College Credit Program and Start College Now courses result in grades on the college transcript. Grades of D or F can impact a student's academic standing in college or eligibility for financial aid.*

Students with Disabilities
College credit courses are available to all students. Students with disabilities should contact their School Counselor or IEP Case Manager with any questions about accommodations in dual enrollment courses..

TURBOCHARGE with College Credit
Turbocharge with College Credit is a PK-16 partnership between the Green Bay Area Public Schools, Northeast Wisconsin Technical College, and the University of Wisconsin-Green Bay with a shared transformational vision to create a college-going culture. It is an intentional effort by the partners to successfully transition high school graduates to postsecondary education (4-year college/university, technical college, or military) by having them earn college credit towards a certificate, credential, or degree upon graduation.

For more information about Turbocharge, visit https://www.gbaps.org/families/academics/academic-career-planning/turbocharge.

INDUSTRY-RECOGNIZED CREDENTIALS

Industry-Recognized Credentials are certifications, credentials, or licenses that are vetted by employers and serve to recognize skill attainment needed for recruitment, screening, hiring, retention, advancement, or to mitigate workforce shortages. The credential is endorsed by a nationally recognized trade association or an organization in a particular industry and verifies a students' qualification or competence through a technical education program.

GBAPS offers students the opportunity to earn an industry-recognized credential in many courses or programs. The credentials offered in our schools are listed below. Credentials are also listed in individual course descriptions.

- Adobe Certified Associate:Animate, Dreamweaver, Illustrator, Photoshop
- American Red Cross First Aid/CPR/AED, Lifeguard (includes CPR/AED)
- A*S*K Marketing Fundamentals
- Autodesk Certified User: 3DSMax, Fusion 360, Inventor, Revit
- Automotive Service Excellence (ASE): A4 Steering and Suspension, A5 Brakes, A8 Engine Performance
- Career Connections Level 3 Project Certification
- Certiport Internet Core Computing (IC3)
- CISCO IT Essentials
- FANUC Certified Robot Operator 1
- HAAS CNC Certification
- Microsoft Office Specialist: Word, Excel, PowerPoint
- NCCER: Core Curriculum Introductory Craft Skills, Construction Site Safety Orientation
- NWTC Automotive Maintenance Technician Technical Diploma
- NWTC CNC Operator Certificate
- NWTC Healthcare Customer Service Representative Pathway Certificate
- NWTC Intro to Education Pathway Certificate
- NWTC Nursing Assistant Technical Diploma
- OSHA 10
- ProStart: Level 1 and Level 2
- State of Wisconsin Assistant Child Care Teacher (ACCT)
- State of Wisconsin Certified Nurse Aide (CNA)
- UW-Green Bay Associate of Arts and Sciences Degree
- Woodwork Career Alliance Core Credential
- WIAA Official (various sports)
- Wisconsin Seal of Biliteracy
- Wisconsin Youth Apprenticeship Level One and Level Two Skills Certificates

Students may also pursue Industry-Recognized Credentials outside of GBAPS courses and programs to support their postsecondary goals.

SCHOOL/COMMUNITY ACTIVITIES

Participation in co-curricular activities has been cited in numerous research-based studies as very important in developing lifelong and career related skills (i.e., teamwork, self-motivation, organization, problem solving and creativity).

The following is a listing of co-curricular activities offered at our high schools. This is not an all-inclusive list and activities available are subject to change. Each high school has a list specific to their building that can be obtained by contacting the Activities Director. Activity passes are available for both students and families. Family passes are $50 (includes students through 8th grade) and passes for high school students are $25.00. Fees charged for activity passes may not be waived.

CO-CURRICULAR OFFERINGS AT ALL SCHOOLS

Academic Team
- -Language Arts
- -Math
- -Science
- -Social Studies

Academic Decathlon
Athletics (WIAA Sponsored)
- -Baseball
- -Basketball (Boys and Girls)
- -Cross Country (Boys and Girls)
- -Football
- -Golf (Boys and Girls)
- -Hockey (Boys and Girls)
- -Soccer (Boys and Girls)
- -Softball
- -Swimming (Boys and Girls)
- -Tennis (Boys and Girls)
- -Track and Field (Boys and Girls)
- -Volleyball (Girls)
- -Wrestling

Bowling
Color Guard
Dance Team
DECA (An association for Marketing Students)*
Drumline
FBLA (Future Business Leaders of America)*
FCCLA (Family, Career, and Community Leaders of America)*
FFA (An organization for Agriscience students)*
Forensics
Gay Straight Alliance
HOSA (Health Occupations Student Association)*
Intra-City Student Council
Jazz Band
Link Crew
Marching Band
Musical Performance Production
National Honor Society
Newspaper
Operation Graduation
Pep Band
Play
Skills USA - VICA
Solo Ensemble State
Sting Cancer
Student Council
Talent Show
Trees for Tomorrow
Yearbook

CO-CURRICULAR OFFERINGS AT INDIVIDUAL SCHOOLS

Acappella
African American Club
Anime
Anti-Bullying Student Support
Art Club
Asian Club
Bible Study
Book Study Clubs
Center Stage Choir
Chamber Singers
Cheerleading
Chemistry Club
Chess Team
Club AVID
College Bound
Community Club
Community Involvement Club
Creative Writers Club
Culinary Club
Curling
Deaf and Hard of Hearing Club
Destination Imagination
Disc Golf
Diversity Club
Diversity Leadership
Dodgeball
Drama Club
English Club
Environmental Science Club
Fellowship of Christian Athletes
Fishing Club
Formula Student USA
Fox River Monitoring Club
French Club
French Forensics
Freshman Club
Future Educators of America
G.Y.M. (Get Yourself Moving)
Gamers Club
International Club
International Travel and Service Club
Intramurals:
- -Basketball
- -Futsal
- -Indoor Soccer
- -Weightlifting

Junior Club
Key Club
KPOP (Korean POP Culture)
Lacrosse (Boys and Girls)
Latino Club
MAC Scholars
Math Club
Men's Choir
Mock Trial
Model United Nations
National History Day
Native American Club
One Act Play
Oneida YES Program
Operation Graduation
Operation Snowball
Orchestra
Paintball Club
Pals
Peer Athletic Council
Peer Group
Peer Leaders
Peer Performance
Physics Club
Poetry Club
Political Awareness Club
POPS (Power of Peer Support)
Rendezvous Show Choir
Rhapsody in Red
Robotics
Running Club
Scrapbooking Club
Senior Club
Sign Language Club
Solar Olympics
Sophomore Club
Spanish Club
Spotlight Singers
Strike Out ALS
Symphony Band/Orchestra
Table Top Gaming Club
Technical Crew
Teens for Change
Ujima Club
Unity Club
Vocal Ensemble
Wildcat Yoga
Women's Choir
Writers/Readers Club

**Career and Technical Student Organization.*

SPECIALTY SCHOOLS AND PROGRAMS

GREEN BAY WEST HIGH SCHOOL
INTERNATIONAL BACCALAUREATE CAREER PROGRAMME

Known for its rigor and global perspective, the IB Programme is respected and recognized around the world. Its mission is to assist students in developing the intellectual, personal, emotional, and social skills to live, learn, and work in a rapidly globalizing world.

West High School is an authorized International Baccalaureate Career-related Programme School (IB CP). The CP is a post-secondary prep program that provides high school students the opportunity to earn technical college credit and/or apprenticeship credits while preparing for their education and professional life after high school. The Career-related Programme holds students to high academic standards. The substantial workload requires a great deal of commitment, willingness to contribute to class discussions, organization, and initiative.

IB CP students have the option of focusing on IB Diploma Programme and NWTC courses, or pursuing dual credit offerings and Youth Apprenticeship. The CP offers students the flexibility to pursue their post-secondary education in a two-year or four-year pathway they have already done preliminary training and skill-building in as a more competitive candidate. Students enrolling in the CP gain the advantage of a rigorous IB education that builds their knowledge and skills in professional ethics, thinking processes, cultural understanding, personal and professional skills, research, and more.

IB Learner Profile

The guiding principles of our program are found in these 10 attributes that we strive to develop in our learners:

- Inquirers
- Knowledgeable
- Thinkers
- Communicators
- Principled
- Open-minded
- Caring
- Risk-takers
- Balanced
- Reflective

10 Reasons to Enroll in the IB Career-related Programme

1. Career-focused learning
2. Practical skill development
3. Critical thinking and problem-solving
4. Flexibility in selecting a career path
5. Encourages a global perspective
6. Builds adaptability and resilience
7. Provides a strong academic foundation
8. Preparation for future education and employment
9. Collaborative learning environment
10. Personal development

Program Structure

- Available for GBAPS juniors and seniors
- A 2 year-long program, with a combination of 2 year, 1 year, and semester long courses
- Candidates select two Diploma Programme courses (HL or SL)
- CP candidates must complete a language development portfolio
- CP candidates must complete at least 50 hours of Service Learning
- CP candidates must complete a Reflective Project
- CP candidates must complete a career-related study either through a tech school path or Youth Apprenticeship
- Students earn high school credit for their IB courses
- Students who intend to earn college credits for their IB courses must complete an individual investigation for each subject (Internal Assessment) and receive a qualifying score on their examinations (External Assessment).
- Credit awards vary from college to college. IBDP students receive additional career and college counseling support in order to best take advantage of the unique academic opportunities for IB students.

Enrollment

The Diploma Program is available to all GBAPS upperclassmen. However, students from outside our enrollment area should contact our CP Coordinator, Anders Saulic, at aasaulic@gbaps.org in order to set up a school tour and to discuss course offerings and program requirements.

GREEN BAY WEST HIGH SCHOOL
INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

Known for its rigor and global perspective, the IB Programme is respected and recognized around the world. Its mission is to assist students in developing the intellectual, personal, emotional, and social skills to live, learn, and work in a rapidly globalizing world.

West High School is an authorized International Baccalaureate Diploma Programme (IB DP) School. The DP is essentially a pre-university program that provides high school students the opportunity to earn college credit while preparing for post-secondary education. The Diploma Programme holds students to high academic standards. The substantial workload requires a great deal of commitment, willingness to contribute to class discussions, organization, and initiative.

IB DP students have the option of completing the entire Diploma Programme, or choosing to obtain individual subject certificates. Since becoming an authorized IB DP school, West DP graduates have earned an average of 8 college credits per year through the IB curriculum, which saves about $2,400-4,800 in college tuition costs. Students who have earned the full IB Diploma typically earn 26-34 credits—equal to two semesters of university courses. Because they are better prepared for the rigors of higher education, DP graduates are far more likely to be accepted to select universities. Additionally, 98% of West DP students receive a scholarship, grant or award.

IB Learner Profile

The guiding principles of our program are found in these 10 attributes that we work to develop in our learners:

- Inquirers
- Knowledgeable
- Thinkers
- Communicators
- Principled
- Open-minded
- Caring
- Risk-takers
- Balanced
- Reflective

10 Reasons to Enroll in the IB Diploma Program

1. Encourages Student Inquiry
2. Creates Confident Communicators
3. Cultivates a Global Mindset
4. Develops Caring and Responsible Citizens
5. Encourages Life-Long Learning
6. Expands Critical and Creative Thinking
7. Empowers Student to Develop Their Talents
8. Creates Connections Between Course Subjects
9. Fosters a Learning Community Among Cohorts
10. Increases Academic Opportunities

Program Structure

- Available for GBAPS juniors and seniors
- A 2 year-long program, with many courses taking 2 years to complete
- Courses are designated as either Standard Level (SL) or Higher Level (HL)
- Certificate candidates take 1-5 DP courses at any level they choose
- Full Diploma candidates must take 6 DP courses (3 at Higher Level and 3 at Standard Level)
- Full Diploma candidates must complete Creativity, Activity, and Service Project
- Full Diploma candidates must complete an Extended Essay
- Students earn high school credit for their IB courses
- Students who intend to earn college credits for their IB courses must complete an individual investigation for each subject (Internal Assessment) and receive a qualifying score on their examinations (External Assessment).
- Credit awards vary from college to college. IBDP students receive additional career and college counseling support in order to best take advantage of the unique academic opportunities for IB students.

Enrollment

The Diploma Program is available to all GBAPS upperclassmen. However, students from outside our enrollment area should contact our DP Coordinator, Stephane Bielen, at snbielen@gbaps.org in order to set up a school tour and to discuss course offerings and program requirements.

JOHN DEWEY ACADEMY OF LEARNING

A Project-Based Learning Charter School

"Learning by Doing!"

Are you interested in being actively involved in your learning?
Are you passionate about learning, ready to take on the future and make an impact?

John Dewey Academy of Learning (JDAL) offers an innovative choice for 6-12th grade learners in the Green Bay Area Public School District. JDAL provides learners with the opportunity to thrive in a collaborative, interdisciplinary, and technology-rich learning environment. Learners engage in partnerships with Green Bay area organizations and businesses. Learners take ownership of their academic opportunity by synthesizing authentic projects that focus on topics relevant to academic learning targets.

In addition to offering innovative academic instruction, JDAL places special emphasis on developing close relationships among learners, advisors, and community members working to develop interpersonal skills and building community.

John Dewey Academy of Learning's mission is to provide learners with a rigorous project-based curriculum and a safe caring community in which to thrive academically. By developing the whole person – academically, professionally, and personally – John Dewey will assist learners in reaching their full potential.

Core Values: Fellowship Integrity Responsibility Engagement

John Dewey Academy of Learning believes that learning is active. Learners come to school to get involved in opportunities and participate in a community, which gives them real, guided experiences that increase their capacity to meet their full potential. (Paraphrased from John Dewey, Experience and Education, 1938) JDAL believes that learners should be involved in authentic tasks and challenges and should have a hand in choosing and designing these tasks. They should be involved in bringing the learning to life and be actively involved in the assessment of their learning.

Advisors at John Dewey Academy of Learning function as mentors and coaches. They encourage learners to think deeply, critically, and passionately about their academic work. Advisors help learners construct meaningful, focused, rich lines of inquiry. They guide learners to choose academic targets and experiences that will result in meaningful, genuine learning. Advisors help learners focus on content and process in order to evaluate the rigor and quality of their products and to provide opportunities for continued learning.

Project-Based Learning (PBL) learners:

- Are interested in project-based learning
- Are motivated, self-directed and actively involved learners
- Have an area of passion that cannot be met in a traditional school setting
- Are open to a new model of learning
- Are willing to learn time management and independent work skills
- Are motivated to create in depth learning experiences
- Persevere to reach independent goals
- Are skilled at reflecting on their work, assessing their learning and using multiple methods of communication to demonstrate their learning

Learners have the opportunity to participate in any seminars, workshops, or field experiences offered at JDAL, with the potential of earning credit in the content areas. After earning 17 credits, learners begin creating a capstone project that is a culmination of the interest developed and is worked on throughout an entire year. The project incorporates mentors and finds multiple means of serving the community in addition to reaching the learner's career goals.

The following credits are required for graduation:

- English Language Arts 4 credits
- Mathematics 3 credits
- Social Studies 3 credits
- Science 3 credits
- Health 0.5 Credit
- Physical Education 1.5 Credits
- Personal Financial Literacy 0.5 Credit
- Service Learning 1.0 Credit
- Electives 6.5 Credits

- ❖ Learners must meet the Civics Test Requirement outlined in Wisconsin Statute 118.33(1m)(a).
- ❖ Credits earned in grade 8 apply towards graduation as electives only if earned in high school math, health, or world language.
- ❖ Learners need to demonstrate proficiency on learning targets to obtain credits at John Dewey.

Enrollment:
The enrollment process includes a tour, learner shadow day, and completion of appropriate district enrollment forms. If interested in learning more about JDAL's program offerings, please discuss with your school counselor and contact JDAL at (920) 272-7074. John Dewey Academy of Learning is located at 701 Cherry Street, Green Bay, WI 54301.

NORTHEAST WISCONSIN SCHOOL OF INNOVATION

"Where learning is the constant and time is the variable"

Engage - Educate - Empower
College - Workforce - Community

The educational experience of Northeast Wisconsin School of Innovation (N.E.W. Innovation) is to prepare students for college, workforce, and life. Our unique learning experience provides a relevant and meaningful college and career preparatory education focused on the whole child. N.E.W. Innovation provides a choice for students in Green Bay Area Public Schools, as well as students from Northeast Wisconsin in grades 6-12.

With this in mind, the school is designed to provide an innovative and supporting education setting for students, to increase graduation rates, as well as the overall career and college readiness by working collaboratively with Northeast Wisconsin Technical College and the University of Wisconsin-Green Bay.

N.E.W. Innovation will assure strong vocational education by incorporating career pathways and content into course work and student experiences. Students will benefit from individualized learning plans designed to ensure their needs are met and skill gaps identified are addressed continuously instead of waiting until the end of the semester or school year.

Mission

The mission of Northeast Wisconsin School of Innovation is to meet all students where they are at, guide them to where they need to be, and help them get to where they want to go.

Vision

Utilizing personalized learning and engaged citizenship, all students will be prepared to successfully transition to post-secondary school, the high demand careers of tomorrow, and become vital members of our community.

Additionally, the school's academic and support systems will create an environment that fosters civic engagement. Each student will participate in *Launch* daily. *Launch* provides students an opportunity to start each day with nutrition, engage in meaningful conversation, and offer support and encouragement to peers. In addition, *Launch* eases students into school in a welcoming environment rather than an academic class. The principal, teachers, and support staff will create curricular activities to intentionally build an educational community to support student behavior, 21st century job skills, social emotional health and lifelong learning.

N.E.W. Innovation Students

N.E.W. Innovation is designed for the success of all students. In order to achieve this goal, N.E.W. Innovation is committed to meet every child at their current academic and social emotional level.

N.E.W. Innovation has structures in place to support students who:

- Need more time and supports to ensure an innovative education experience;
- Want to become engaged, independent, and self-directed learners;
- Have chosen and are committed to attend N.E.W School of Innovation and NWTC on Fridays as part of their education;
- Would benefit from a smaller personalized student-centered learning environment;
- Want opportunities to explore areas of passion or strengths;
- Have an adult, parent, and/or champion to support them;
- Demonstrate a mismatch between their ability and performance;
- Want learning to be meaningful to them and to engage in their community.

Proficiency-Based Learning Pathway

"How do students earn a high-school diploma?"

In a proficiency-based system, students earn their diploma by demonstrating mastery of skills and content. Mastery can be demonstrated through multiple venues, including (but not limited to) teacher-designed assessments, written papers, presentations, portfolios or projects. The specific requirements are determined by local policy, but must represent the content standards adopted by the Wisconsin Department of Instruction in the curriculum areas of:

- Literacy
- Mathematical content and practices
- Scientific inquiry and content knowledge
- Global citizenship
- Physical education
- Health
- Artistic/Technical expression
- Guiding principles

11th Grade Pathway Program

The N.E.W. 11th pathway program is designed for students who have been disengaged from School. Students will spend their 11th grade year reengaging in school, while developing literacy and math skills in preparation to complete graduation requirements through the 12th grade pathway. Students who demonstrate readiness will have the opportunity to participate in Dual Credit courses and work based learning.

Our Four Guiding Principles

In addition to our subject graduation standards, our graduates will embody the following four guiding principles and transition to postsecondary life with the skills to be:

- **A creative and practical problem solver,** who recognizes a problem and uses their resources to find and test possible solutions. They use this problem-solving process to help them shape their beliefs and understanding of the world.
- **A purposeful and effective communicator,** who can write and speak clearly to a variety of audiences. Using technology, they enhance and share ideas effectively and respectfully.
- **A responsible and engaged citizen,** who recognizes how history has shaped their community while exploring ways to create a better world. They seek out and address injustice by understanding, respecting, and valuing diversity.
- **A self-directed and lifelong learner,** who continuously looks for opportunities to learn and grow by setting and achieving personal goals. They understand how to effectively learn and work with others.

Enrollment

As a charter school, parents and students must choose to attend the school through the District's intra-district transfer process or open enrollment for non-district resident students.

Learn more about the intra-district process at www.gbaps.org/why_choose_gbaps/intra-district_transfer.

The process for enrollment includes an orientation and completion of appropriate district enrollment forms. If interested in learning more about the unique programing that N.E.W. Innovation offers, please discuss with your school counselor or social worker, visit the school website at https://newinnovation.gbaps.org, and/or contact N.E.W. Innovation at (920) 272-7658.

College General Education Course Opportunities

The following general education areas are routinely common across many colleges and universities. Students should investigate the general education requirements and the major requirements at their preferred college or university to choose courses that best meet their plans.

Communication
(1 course)

- AP English Language & Composition#
- English Composition (DC)#
- IB English: Language & Literature#
- Oral & Interpersonal Communication (DC)

Quantitative Literacy
(1 course)

- AP Calculus AB or IB Mathematics: Analysis & Approaches
- AP Statistics
- AP Computer Science A
- Mathematical Reasoning (DC)

Humanities
(2-3 courses in different subject areas)**

- AP English Literature & Composition# or IB English: Language & Literature
- AP World History+
- AP United States History
- IB History
- AP Music Theory
- IB Music
- IB Visual Art

Social Sciences
(2 courses in different subject areas)

- AP US Government & Politics (DC)
- AP Macroeconomics
- AP Psychology (DC), or IB Psychology
- Sociology (DC)
- AP Human Geography
- Intro to World Culture & Religions (DC)++
- IB Economics

Natural Sciences
(2 courses in different subject areas)*

- AP Biology or IB Biology
- AP Chemistry
- AP Physics 1 or IB Physics
- Environmental Science (DC)
- Principles of Chemistry I (DC)

Global Studies
(1 course)

- AP World History+
- Intro to World Culture & Religions (DC)++
- AP Spanish Language & Culture, IB Spanish, or IB Spanish ab Initio
- IB French

**Some colleges require a biological science and a physical science*
*** Some colleges have Fine Arts separate from Humanities general education requirements*
+AP World History generally counts as Humanities or Global Studies (not both)
++Modern World History: World Cul ture & Religions generally counts as Social Science or Global Studies (not both)
#Students who take AP English Language, AP English Literature, or IB English Language & Literature should not take English Composition

AP - *Advanced Placement*
DC - *Dual Credit*
IB - *International Baccalaureate*

Agriculture, Food, & Natural Resources

In AFNR, you will have the opportunity to pursue animal, plant, food or natural resource pathways. In plant sciences you will have the opportunity to work in the school greenhouse and learn about landscape design and how plants can be utilized to create spaces for client needs. In addition to plants, this pathway explores the production of food. It also looks at how natural resources can be developed, used, maintained, and managed for use in our society. Animal sciences provides you with the foundation you need to work with animals. You will learn about nutrition, disease, prevention and treatment, and how to work with and manage a wide variety of animals.



Career Opportunities:
Horticulturist, Agricultural Manager, Forester, Natural Resource Officer, Aquaculture Management, Veterinary Medicine, Biology, Wildlife Management and Resource Conservation

Potential to Earn: 1 Industry Certification 11 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Courses	**Plant Science** Grades 7 or 8	**Natural Resources** Grades 7 or 8	**Animal Science** Grades 7 or 8	
Intro-Level Courses	**Landscape, Floriculture & Greenhouse** Grades 9-12	**Wisconsin Natural Resources** Grades 9-12	**Biotechnology** Grades 10-12	**Small Animal Vet Science** Grades 9-12
Specialized Courses	**Advanced Plant Science & Design DC** Grades 11-12	**Global Conservation Perspectives** Grades 9-12	**Sustainable Agriculture DC** Grades 11-12	**Large Animal Vet Science DC** Grades 10-12
Capstone Courses	**Youth Apprenticeship** Grades 11-12	**Urban Agriculture and Food Production DC** Grades 11-12	**Advanced Veterinary & Animal Sciences** Grades 11-12	
Additional Recommended Courses for 4-Year Programs	**AP Biology or IB Biology**	**AP Chemistry or IB Chemistry**	**Environmental Science DC**	

AP – Advanced Placement **DC** – Dual Credit **IB** – International Baccalaureate

The Applied Natural Sciences

The following AP, IB, and dual credit courses can earn students credit in courses that routinely meet requirements in majors. Students should investigate the major requirements at their preferred college or university to choose courses that best meet their plans.

The Applied Natural Sciences take scientific knowledge and apply it to solving problems. The Natural Sciences can be applied in various professional work, including Engineering, Agriculture, Natural Resources, and Health Sciences (Medicine, Nursing, Exercise Science, Nutritional Science).

Is This You?

- ✓ I like to solve problems
- ✓ I like complex situations
- ✓ I enjoy using technology
- ✓ I want to develop solutions for my community

Health Sciences
(Nursing, Pre-Medicine, Etc.)

- AP Biology or IB Biology
- AP Chemistry or Principles of Chemistry I (DC)
- AP Physics 1 & AP Physics 2 or IB Physics
- AP Calculus AB & AP Calculus BC or IB Mathematics: Analysis & Approaches
- AP Statistics
- AP English Language & Composition
- Oral & Interpersonal Communication (DC), AP English Literature & Composition, IB English A: Language & Literature, or college world language

Exercise Science

- AP Biology or IB Biology
- AP Chemistry or Principles of Chemistry I (DC)
- AP Statistics
- AP English Language & Composition
- Oral & Interpersonal Communication (DC), AP English Literature & Composition, IB English A: Language & Literature, or college world language

AP - *Advanced Placement*
DC - *Dual Credit*
IB - *International Baccalaureate*

Engineering

- AP Calculus AB & AP Calculus BC or IB Mathematics: Analysis & Approaches
- AP Physics 1 & AP Physics 2 or IB Physics
- AP Chemistry or Principles of Chemistry I (DC)
- Oral & Interpersonal Communication (DC)

Engineering Technology

- AP Calculus AB & AP Calculus BC or IB Mathematics: Analysis & Approaches
- AP Physics 1 & AP Physics 2 or IB Physics
- Introduction to Engineering & Design (DC)
- Principles of Engineering*
- PLTW Engineering Capstone (DC)*

Nutritional Science

- AP Biology or IB Biology
- AP Chemistry or Principles of Chemistry I (DC)
- AP Statistics
- AP English Language & Composition
- AP Psychology (DC), or IB Psychology

**Depends on the Engineering Technology major*

Architecture and Construction

Every home, every business, and every structure is the product of skilled construction professionals. If you enjoy working with your hands and seeing the results of your work, this area may be for you. You'll learn carpentry skills and remodeling techniques. You'll have the chance to master a wide range of hand tools and power tools, read blueprints and building plans. From foundations to roofing, you'll learn to create buildings that last for many years.

Career Opportunities:
Carpenter, Electrician, Mason, Construction Manager, Civil Engineer, Operating Engineers



SkillsUSA®

Potential to Earn: 5 Industry Certifications 7 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Course	**Construction & Manufacturing** Grades 7 or 8		
Intro-Level Courses	**Intro to Construction** Grades 9 – 12	**Woods 1** Grades 9 – 12	**Intro to Engineering (PLTW)**
Specialized Courses	**Woods 2** Grades 10 – 12	**Civil Engineering & Architecture** Grades 10 – 12	
Capstone Courses	**Bridges Construction DC** Grades 11 – 12	**Youth Apprenticeship** Grades 11 – 12	
Additional Recommended Courses for 4-Year Programs	**AP Physics**	**AP Calculus AB & BC or IB Mathematics**	

AP – Advanced Placement **DC** – Dual Credit **IB** – International Baccalaureate **PLTW** – Project Lead the Way

Bridges Construction and Renovation offers a community-based, hands-on learning experience in the construction industry. Students who are involved in this program take what they learn in the classroom and actively apply it to real-life construction projects, gaining knowledge and skills in the areas of safety standards, construction basics, mechanical systems, and construction drawings and blueprint reading. Students will engage in hands-on construction work in the areas of home construction and renovation. After one-year in the Bridges program, students are prepared for entry-level work in construction or may pursue a technical or bachelor's degree from NWTC.

Bridges Construction and Renovation is provided by the Green Bay Area Public School District (GBAPSD), in collaboration with Neighborworks, Habitat for Humanity, the Brown County Homebuilders Association, Northeast Wisconsin Technical College (NWTC), and local construction industry partners.

Program Structure

- Available for GBAPSD juniors and seniors.
- Students attend class at Bridges Construction and Renovation, located at West High School.
- Transportation to West High School and the home construction site is provided for students, if needed.
- **Carpentry and Home Construction (3 period)**
  - Year-long program scheduled for a 3-hour block, Monday-Friday.
- **Carpentry and Home Construction (2 period)**
  - Year-long program scheduled for a 2-hour block, Monday-Friday.
- Students earn both high school and NWTC credits upon completing a full year of classes and work-based learning at Bridges Construction and Renovation

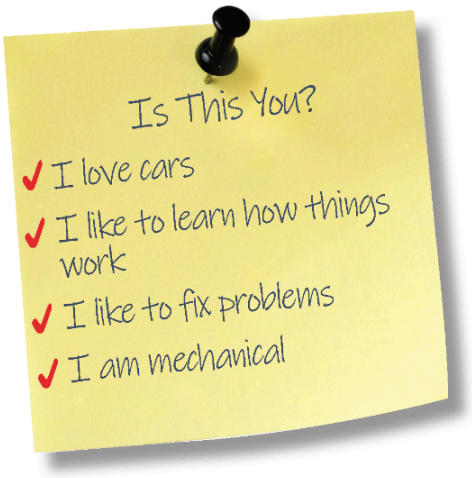
Recommended Prerequisite Courses

1. **Introduction to Construction**: Students in grades 9-12 learn about the field of construction while completing various subjects including foundations, framing, finishes, and mechanicals. Students will work in a construction lab at school and will spend the majority of their time working at actual home construction sites in our community. Students will gain an introduction to career opportunities in the construction industry.
2. **Woods 1**: Students in grades 9-12 are introduced to the woodworking and construction fields through design, material processes, and machinery used in woodworking. Students will develop technical skills in manufacturing design, safety regulations, tool usage, and proper material selection. Students will also gain skills in cutting, joinery, assembling and finishing.

For more information, visit the Bridges Construction and Renovation website at: https://bridges.gbaps.org/

Automotive Technology

Do you enjoy working on machines? Use the latest equipment and tools to diagnose and repair engines, as well as brakes, electrical systems and suspension. In this pathway you have the opportunity to earn Automotive Service Excellence (ASE) certifications through a National Automotive Technicians Education Foundation (NATEF) certified program that will provide a foundation to begin a career in the automotive industry.



Career Opportunities:
Automotive Technician, Aircraft Mechanic, Automotive Body Repair, Automotive Engineer

Potential to Earn:

2 Industry Certifications

25 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Course	Robotics & Engineering Grades 7 or 8	
Intro-Level Courses	Small Engines Grades 9 – 12	Intro to Technology Grades 9 – 12
Specialized Courses	Vehicle Service Grades 10 – 12	
Capstone Courses	Automotive Maintenance Technician 1 & 2 Grades 11 – 12	Youth Apprenticeship Grades 11 – 12

City Stadium Automotive
Driving the partnership between education and industry

City Stadium Automotive® is an authentic automobile technician-learning lab located at Green Bay East High School. The Green Bay Area Public School District (GBAPSD), in partnership with Northeast Wisconsin Technical College (NWTC) and local businesses, designed City Stadium Automotive® to reflect today's automotive repair facilities. City Stadium Automotive® provides opportunities for students to gain knowledge and skills in automotive diagnosis and maintenance, hands-on vehicle repairs, safety, and real-world work-based learning.

East High School and City Stadium Automotive® is accredited by the Automotive Service Excellence (ASE) Education Foundation.

Program Structure

- Classes in the Automotive Technology Pathway include Small Engines, Vehicle Service, Automotive Maintenance Technician 1 (AMT 1), Automotive Maintenance Technician 2 (AMT 2), and Automotive Technology Youth Apprenticeship.
- Students attend AMT 1 and AMT 2 at East High School; transportation is provided for students, if needed.
- Students take AMT 1 and AMT 2 over two years - junior and senior year - and have the opportunity to earn up to 28 college credits and a one-year technical diploma.
- Students must take Mathematical Reasoning, College Technical Math 1A, or NWTC Vocational Math A to earn the technical diploma.
- Students may also participate in the Youth Apprenticeship Program.

Courses

- **Vehicle Service:** Introduces students to the automotive service field. Students will learn major systems of a vehicle and how to maintain, service, and diagnose automotive systems. Engaged in lab and classroom activities, students will learn how to use automotive service equipment, work safety, and have exposure to advanced repair procedures. *Recommended prerequisite for Automotive Maintenance Technician 1. Grades 10-12.*
- **Automotive Maintenance Technician 1:** This is the first of a two-year ASE Education Foundation Certified program, where students learn how to diagnose vehicle malfunctions, perform basic appropriate repairs, and recommend/conduct regular vehicle maintenance. In year one, students learn about the auto shop environment, performing diagnostics and basic maintenance, electrical systems, steering and suspension systems, and brake systems. *Recommended prerequisite: Vehicle Service. Grades 11-12.*
- **Automotive Maintenance Technician 2:** This is the second of a two-year ASE Education Foundation Certified program, where students learn how to diagnose vehicle malfunctions, perform basic appropriate repairs, and recommend/conduct regular vehicle maintenance. In year two, students learn about chassis systems, electrical systems, basic engine design, and engine performance. Upon completing the two-year Automotive Maintenance Technician program, students will be prepared to take the Automotive Technician certification test in the areas of brakes, steering and suspension, and engine performance. *Required prerequisites: AMT 1; Enrollment a dual credit math course. Grade 12.*

For more information, visit the City Stadium Automotive® website at: http://csa.gbaps.org/

Business Management and Administration

What goes into running a business? In the Business Management courses you will learn about the legal, human resources, finance, and management parts, of working in a business.

Career Opportunities:
Business Owner, HR Specialist, Accountant, Operations Manager, General Manager, Customer Service Specialist

DECA FBLA·ΦBA



Potential to Earn: 4 Industry Certifications 13 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Course	Business and IT Development Grades 7 or 8
Intro-Level Courses	Microsoft Office DC Grades 9 – 12; Business Principles DC Grades 10 – 12; Intro to Marketing Grades 9 – 12; Computer Essentials Grades 9 – 12
Specialized Courses	Accounting 1 DC or Accounting Principles Grades 10 – 12; IB Business Management Grades 11 – 12; Business Law DC Grades 11 – 12
Capstone Courses	Youth Apprenticeship Grades 11 – 12
Additional Recommended Courses for 4-Year Programs	AP English Language & Composition, Oral & Interpersonal Communication DC, AP Macroeconomics, AP Statistics, AP Calculus AB/BC or IB Mathematics, AP Psychology DC, or IB Psychology

AP – Advanced Placement **DC** – Dual Credit **IB** - International Baccalaureate

Computer Science & Information Technology

Life without computers is hard to imagine. That means the professionals who build and repair hardware, and design webpages and apps are essential. Learn cutting-edge information technology skills in a growing field. Work alone and in teams to help make 21st century life smoother and easier with the latest technology.

Career Opportunities:
Software or Web Developer, Computer Technician, Software Engineer, Computer Programmer, Help Desk Analyst, Computer Systems or Network Support Analyst

Is This You?
- ✓ I am a techie
- ✓ I am logical
- ✓ I am creative
- ✓ I like figuring out how something works

FBLA·ΦBA

Potential to Earn: 6 Industry Certifications 7 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Courses	Computer Literacy Grade 6	Intro to Computer Science Grade 7	Business & IT Development Grades 7 - 8	Computer Science 8 Grade 8
Intro-Level Courses	Digital Media Grades 9 - 12	Web Design 1 Grades 9 - 12	Mobile App Development Grades 9 - 12	AP Computer Science Principles PLTW (9 - 12)
Specialized Courses	Web Design 2 Grades 10 - 12	Computer Repair & Troubleshooting Grades 10 - 12	AP Computer Science A Grades 10 - 12	3D Animation & Game Design Grades 10 - 12
Capstone Courses		Youth Apprenticeship Grades 11 - 12		
Additional Recommended Courses for 4-Year Programs	AP Statistics	Oral & Interpersonal Communication DC	AP Calculus AB/BC or IB Mathematics	

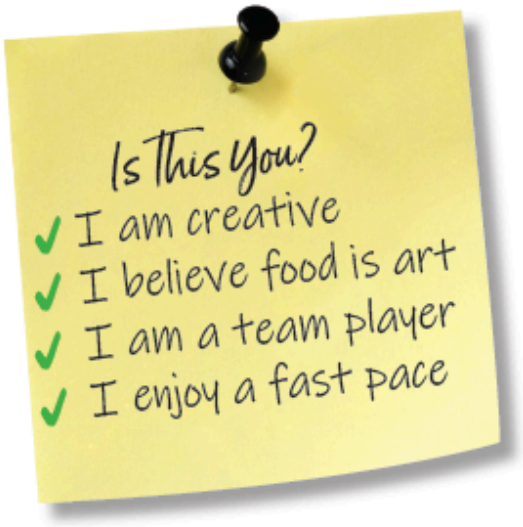
AP – Advanced Placement **DC** – Dual Credit **IB** - International Baccalaureate **PLTW** – Project Lead the Way

Culinary Arts

If creativity and food go together for you, then this is a logical choice. In Culinary Arts you will explore and discover how to plan and prepare memorable meals by using popular cooking methods and learn how to create and understand recipes. You will learn about safe food handling and preparation skills. In this pathway you have the opportunity to earn ServSafe and ProStart certification.

Career Opportunities:
Chef, Restaurant Manager, Dietitian, Banquet Manager

FCCLA – Family, Career and Community Leaders of America – The Ultimate Leadership Experience



Potential to Earn:

2 Industry Certifications

3+ College Credits

Course Work in this Career Pathway

Middle School Career Exploration Courses	Culinary Arts, Textiles/ Design & Child Developement Grades 7 or 8	Nutrition, Health Sciences & Human Services Grades 7 or 8	
Intro-Level Course	Culinary Arts 1 Grades 9–12		
Specialized Courses	Culinary Arts 2 Grades 9–12	Nutritional Science Grades 11–12	Food Science Process & Production Grades 11–12
Capstone Courses	Culinary Arts 3 DC Grades 11–12	Youth Apprenticeship Grades 11–12	

DC – Dual Credit

Education

Inspiring young people is what this area is all about, as you get the opportunity to learn and work with kids. You will learn about all aspects of child development as well as how to create lessons for early childhood students. You have the opportunity to earn an early childhood assistant instructor certificate in this program to allow you to begin your career working in education. This foundation prepares you to continue your education if you'd like to be a primary teacher at any grade level.

Career Opportunities:
Child Care Teacher, Paraprofessional, Teacher, School Principal, Coach, Counselor

FCCLA – Family, Career and Community Leaders of America – The Ultimate Leadership Experience

Is This You?
- ✓ I am self-motivated
- ✓ I can work with individuals and groups
- ✓ I like teaching people new skills
- ✓ I like working with children

Potential to Earn:

1 Industry Certification

12+ College Credits

Course Work in this Career Pathway

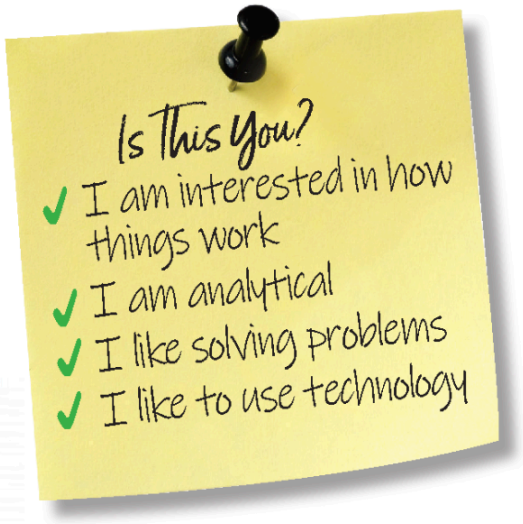
Middle School Career Exploration Courses	Culinary Arts, Textiles/ Design & Child Development Grades 7 or 8		
Intro-Level Course	Intro to Educational Practices DC Grades 9-12		
Specialized Courses	Child & Adolescent Development DC Grades 9-12	Human Development -Across the Lifespan Grades 9-12	Technology in Education DC
Capstone Course	Foundations of Early Childhood Education DC Grades 11-12	Concepts, Issues, & Field Experience in Education DC	Culturally Responsive Teaching & Learning DC
Additional Recommended Courses for 4-Year Programs	AP Psychology DC, or IB Psychology		

AP – Advanced Placement **DC** – Dual Credit **IB** – International Baccalaureate

Engineering

Engineering and robotics are essential in today's manufacturing industry. A problem-solving mindset is foundational to the engineering field. You will learn how to step into the role of an engineer to develop solutions to problems by engaging in real-world problems. Students will explore engineering topics such as mechanisms, strength of structures and materials, and automation/robotics.

Career Opportunities:
Civil Engineer, Electrical Engineer, Mechanical Engineer, BioMedical Engineer, Industrial Engineer



SkillsUSA®

Potential to Earn:

2 Industry Certifications

12 College Credits

Course Work in this Career Pathway

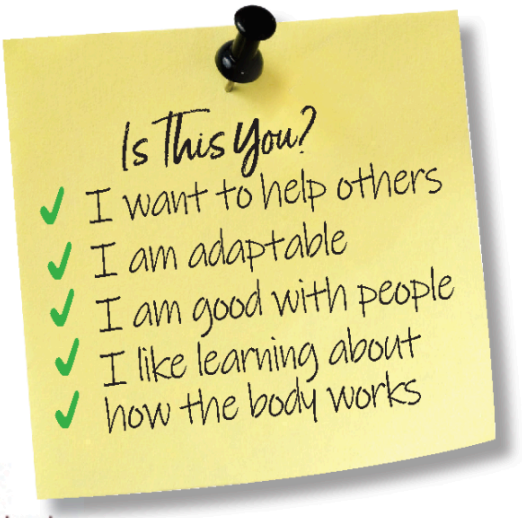
Middle School Career Exploration Course	Robotics & Engineering Grades 7 or 8			
Intro-Level Courses	Intro to Engineering (PLTW) Grades 9-12	Intro to CAD Grades 9-12	Intro to Technology Grades 9-12	
Specialized Courses	Principles of Engineering (PLTW) Grades 10-12	Intro to Robotics & Automation DC Grades 9-12	Civil Engineering (PLTW) Grades 10-12	Intro to AC/DC Electronics DC Grades 11-12
Capstone Courses	PLTW Engineering Capstone (DC) Grades 11-12	Youth Apprenticeship Grades 11-12		
Additional Recommended Courses for 4-Year Programs	AP Calculus AB & AP Calculus BC or IB Mathematics, AP Physics 1 & AP Physics 2 or IB Physics, AP Chemistry, Oral & Interpersonal Communication DC			

AP – Advanced Placement **DC** – Dual Credit **IB** – International Baccalaureate **PLTW** – Project Lead the Way

Health Sciences

Want to learn the foundations of the healthcare field? You will have the opportunity to learn many skills such as taking vital signs, infection control, medical terminology, and foundational patient care skills that are essential to all healthcare fields. You can earn certification as a Certified Nursing Assistant that will allow you to start working in a medical facility right away while you continue education to pursue your career goal in the medical field.

Career Opportunities:
Doctor, Nurse, Paramedic, Medical Lab Technician, Therapist



hosa future health professionals

Potential to Earn:

3 Industry Certifications

14 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Course	Nutrition, Health Sciences & Human Services (Grades 7 or 8)
Intro-Level Course	Intro to Health Careers (Grades 9-12); Principles of Biomedical Science (PLTW)
Specialized Courses	Med Term DC (Grades 11-12); Contemporary Healthcare Practices DC (Grades 11-12); Digital Literacy for HC DC (Grades 11-12); Anatomy & Physiology DC (Grades 11-12)
Capstone Courses	Nursing Assistant (Grades 11-12); Youth Apprenticeship (Grades 11-12)
Additional Recommended Courses for 4-Year Programs	AP Biology or IB Biology, AP Chemistry, AP Psychology DC, or IB Psychology, AP Statistics, AP Ca lculus AB/BC or IB Mathematics, Oral & Interpersonal Communication DC, AP English Literature & Composition, IB English Language & Literature

AP – Advanced Placement **DC** – Dual Credit **IB** – International Baccalaureate

Nursing Assistant Program

Paperwork to be Completed Before Class Starts for GBAPS Admission

- Sign up for the class during registration/class selection process
- Complete the Start College Now Application and turn it into your counselor

Paperwork to be Completed Before Class Starts for NWTC Admission

In order to participate in clinical, students will need to complete the following:

- NWTC Program application
- 2 step TB skin testing
- Documentation or declination of HEP B
- Completion of Functional Abilities Inventory
- Caregiver and Criminal Background Check
- Flu shot
- Covid-19 Vaccination

Student Supplies

Students will need the following supplies for this program:

- Hand sanitizer (pocket size)
- Watch with a second hand
- Pen with black ink and a small pocket notebook
- Shoes - clean athletic shoes will be worn at all times during class labs and clinical rotations. No open toe shoes, heels, clogs or crocs

District Provided Materials

Green Bay Area Public Schools will provide students with the following materials to be utilized during the class:

- Textbook and workbook
- Name tag

Uniforms

Students in the Nursing Assistant Program will be required to wear uniforms during the program.

- White, colored or subtle print uniform or scrub top, pants or dress.
- A solid color shirt may be worn under the scrub top. Scrub pants should be appropriate length and not touch the floor.
- Uniforms can be purchased at Walmart, Fleet Farm, Kiefer Uniforms, The Uniform Shoppe, Burlington, etc. Kiefer offers a discount to GBAPS students.

Course Requirements

There are specific course requirements in order for students to earn college credit.

- Clinical (45 hours) may be completed outside of normal school hours. You will be providing personal care to nursing home residents during the clinical portion of the class.
- There is a 100% attendance requirement for the Nursing Assistant class and clinical days.
- Students must pass the class with an 80% score average and be successful in the completion of a skill check-off in order to participate in clinicals.

Tuition

Start College Now tuition rules apply (Please see district policy 343.45 for more information)

NORTHEAST WI Technical College

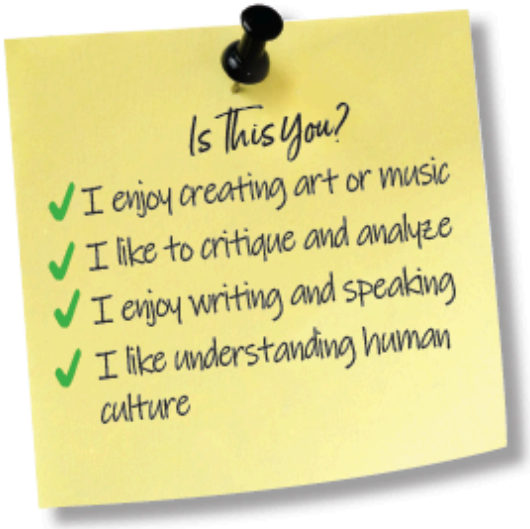
Green Bay Area Public School District
Engagement. Equity. Excellence.
www.gbaps.org

Please see your school counselor for a Nursing Assistant Program Handbook for more information.

The Humanities

The following AP, IB, and dual credit courses can earn students credit in courses that routinely meet requirements in majors. Students should investigate the major requirements at their preferred college or university to choose courses that best meet their plans.

The Humanities are the study of humanity's creation of culture. Subject areas in the Humanities include the Visual and Performing Arts, Literature, History, languages, Philosophy, and Religious Studies.



English

- AP English Language & Composition
- AP English Literature & Composition or IB English: Language & Literature

History

- AP United States History
- AP World History
- IB History

World Language

- AP Spanish DC Language & Culture, IB Spanish or IB Spanish DC ab Initio
- IB French

Art

- AP Art & Design
- IB Visual Art

Music

- AP Music Theory
- IB Music

Communications

- Oral & Interpersonal Communication (DC)

Notes:

- Humanities majors generally do not require Calculus or Statistics
- The only courses students need to take outside of their major department are to meet General Education requirements. Please see that page for more information.

AP - *Advanced Placement* **DC** - *Dual Credit* **IB** - *International Baccalaureate*



The Fine Arts Institute at East High School provides exceptional opportunities to students who want to grow and develop their talent and love for the arts. The Fine Arts Institute currently offers a specialized focus in music, visual arts, literary arts, theatre arts, and dance. Institute students study under master teachers and artists, receive private instruction and participate in master classes, art shows, recitals, literary publications, theater and dance productions. Students will earn academic credit for their private and independent study in the arts.

Through the Fine Arts Institute, students will engage in their chosen discipline and be able to combine their field of study with core curriculum subjects. Acceptance into the Institute is based upon a student application that includes a student essay, two teacher recommendations and a statement of commitment from a parent or guardian. Music, Theatre, and Dance students are required to audition before a faculty panel to complete their application process. Visual Art and Literary Art applicants are asked to show and submit examples of their works to complete their application process. *There is no membership fee for participating in the Fine Arts Institute.*

Music students participate in a private lesson program that includes 9 lessons each semester. This performance based program supports a student's development in ability and technique in their chosen musical field.

Visual Art students will have unique opportunities working with community partnerships that explore visual art topics outside of a typical school day. These may include an artist-in-residency program to study with area visual art university faculty members. This after school weekly program meets at East High School.

Literary Art students focus on developing and expanding their creative writing abilities. They meet on a regular basis with the lead Faculty member who assists them in their writing goals. Literary Art students will publish "The Strand" which showcases their writings from throughout the year.

Theatre Art students will begin to delve into all things theatre. From scriptwriting to storytelling, learning production crafts like sound and light production, students will begin to learn what it takes to mount a successful theater production.

Dance students will build and develop personal abilities that culminate with a dance showcase in the spring that presents student creativity through dance.

Funding for the Fine Arts Institute is provided by the Green Bay Area Public School District and community partners.

For further information, please contact:

Esrom Williams, Jr.
Fine Arts Program Coordinator
epwilliams@gbaps.org
Telephone: 920-614-9149

Seal of Biliteracy

The Wisconsin Seal of Biliteracy (SBL) is a state-approved student credential awarded to high school students in districts with a Department of Public Instruction-approved program, who have demonstrated advanced achievement in bilingualism, biliteracy, and sociocultural competence in English and a language other than English (LOTE).

Credential Structure

- Available for all students in the Green Bay Area Public School District who developed language proficiency in English and a language other than English.
- Students may be enrolled in World Language courses, the Bilingual Program, the Multilingual Learner Program, or have learned languages in home or community environments.

Languages Available

- **GBAPS Educational Programs:** American Sign Language (ASL), Chinese (Mandarin), French, Spanish
- **Other Languages:** Other languages learned by students will be eligible in the future

Language Proficiency Assessment

- English Proficiency (students must meet one requirement from this category)
  - ACT ELA (American College Testing in English Language Arts) composite score of 18 or better
  - AP (Advanced Placement) English Language & Composition Exam score of 3 or better
  - WIDA ACCESS Assessment composite score of 4 or better for seniors only
  - Exited Multilingual Learner (ML) Status in grades 6-12
- **Language Other Than English Proficiency** (students must meet one requirement from this category)
  - LTI Assessment of Performance toward Proficiency in Languages (AAPPL) Score of Intermediate High (I-5) or better in all four components
  - AP Language & Culture Exam score of 4 or higher
- **Sociocultural Competence**
  - World Language courses: Students will demonstrate sociocultural competence in the languages other than English as they engage in authentic language learning through the rigorous and culturally relevant world language curriculum.
  - Languages learned in the home or community: Students will develop sociocultural competence in the language other than English through authentic, lived experiences.

For more information, please contact Angie La Combe, Director of Curriculum (allacombe@gbaps.org).

Manufacturing

Today's manufacturing is a combination of engineering and technology around precision machining and welding. Creating parts and products may require you to program a Computer Numeric Control (CNC) machine, or it may involve plasma cutting and welding. You will learn various types of welds and cutting operations, as well as fabrication, quality control, and weld testing. In the capstone course students have the opportunity to work in a fully functioning high school business, Bay Link Manufacturing®, building parts for companies. This is a high demand pathway offering students opportunities in many different industries.

Career Opportunities:
CNC Technician, Fabricator, Welder, Project Engineer

Is This You?
- ✓ I am mechanical
- ✓ I am precise
- ✓ I have good hand-eye coordination
- ✓ I enjoy making things and taking them apart

SkillsUSA®

Potential to Earn:

1 Industry Certification

6 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Course	**Construction & Manufacturing** Grades 7 or 8		
Intro-Level Courses	**Intro to CAD** Grades 9-12	**Intro to Technology** Grades 9-12	**Metals 1** Grades 9-12
Specialized Courses	**Metals 2** Grades 9-12	**Welding/Shielded Metal Arc & Gas Metal Arc DC** Grades 9-12	
Capstone Courses	**Bay Link Manufacturing®** Grades 11-12	**Youth Apprenticeship** Grades 11-12	

BAY LINK MANUFACTURING®
A Partnership Linking Education and Manufacturing

DC – Dual Credit

BAY LINK MANUFACTURING

A Partnership Linking Education and Manufacturing

Bay Link Manufacturing® provides students with relevant, real-world experience in high-tech careers in manufacturing, engineering, marketing and business. Bay Link Manufacturing® is a high-precision learning lab equipped to complete projects for local companies in the areas of industrial welding, machine fabrication, and metals. Students also learn about the business of manufacturing through sales, marketing, accounting, production planning, bidding and managing purchase orders, and customer service. The Green Bay Area Public School District (GBAPSD) in partnership with Northeast Wisconsin Technical College (NWTC) and the NEW Manufacturing Alliance developed Bay Link Manufacturing® in 2014.

Program Structure

- Available for all juniors and seniors in the GBAPSD.
- Students attend Advanced Metals and Manufacturing class at Bay Link Manufacturing® located at West High School.
- Transportation to West High School is provided for students if needed.
- Year-long program scheduled for a 2-hour block, Monday-Friday.
- Students earn both high school and NWTC credits upon completing a full year of classes and work-based learning at Bay Link Manufacturing®. Students may also participate in the Youth Apprenticeship program.

Recommended Prerequisite Courses

- **Metals 1:** Designed for students in grades 9-12 to learn various metal machining, welding, and fabrication techniques. Students will actively engage in projects to prepare for work in the metal machining industry. Students will develop a basic understanding of machining, arc welding, metal fabrication and finishing.
- **Metals 2:** Designed for students in grades 9-12 to further demonstrate skills acquired in Metals 1. Students will complete advanced projects to further prepare for work in the metal manufacturing industry. Students will demonstrate an understanding of manual machining, CNC machining, arc welding, and cutting practices.
- **Shielded Metal Arc and Gas Metal Arc Welding 1:** Introduces students in grades 11-12 to the various welding, cutting, and fabrication processes related to different types of metal.

For more information, visit the Bay Link Manufacturing® website at:
https://baylinkmanufacturing.gbaps.org/

Marketing

Every day we are surrounded by sales and promotion to get us to purchase products. This is a creative area in which you learn about the marketing techniques and the role that it plays in influencing us. In classes you will learn about advertising, promoting products, and starting a business.

Career Opportunities:
Advertising Manager, Marketing Director, Sales Associate, Client Services, Market Research Analyst, Real Estate Agent

Is This You?
- ✓ I am creative
- ✓ I like to talk to people
- ✓ I enjoy solving problems
- ✓ I want to be my own boss

DECA | FBLA·ΦBΛ

Potential to Earn:

3 Industry Certifications | 3 College Credits

Course Work in this Career Pathway

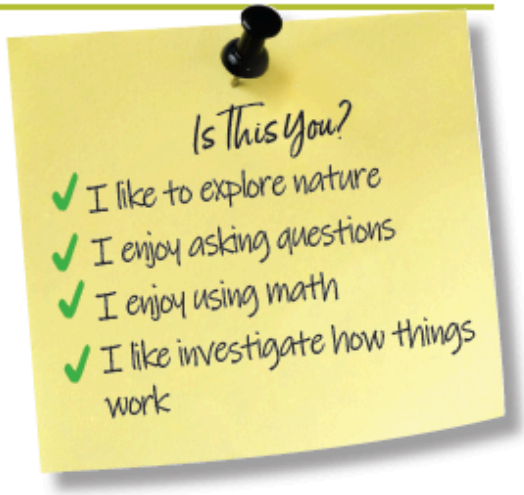
Middle School Career Exploration Courses	Intro to Computer Science/ Personal Finance Grades 7	Business & IT Development Grades 7 or 8	
Intro-Level Courses	Intro to Marketing Grades 9 - 12	Digital Media Grades 9 - 12	
Specialized Courses	Marketing Principles DC Grades 10 - 12	Sports and Event Marketing Grades 10 - 12	Marketing Projects Grades 10 - 12
Capstone Courses	Senior Business & Marketing Internship Grade 12	Youth Apprenticeship Grades 11 - 12	
Additional Recommended Courses for 4-Year Programs	AP English Language & Composition, Oral & Interpersonal Communication DC, AP Macroeconomics, AP Statistics, AP Calculus AB/BC or IB Mathematics, AP Psychology DC, IB Psychology, Accounting Principles		

AP – Advanced Placement **DC** – Dual Credit **IB** – International Baccalaureate

The Natural Sciences & Mathematics

The following AP, IB, and dual credit courses can earn students credit in courses that routinely meet requirements in majors. Students should investigate the major requirements at their preferred college or university to choose courses that best meet their plans.

The Natural Sciences are the study of the the natural world using mathematics and logic. Subject areas in the Natural Sciences and Mathematics can be studied individually or applied to professional work, including Engineering, Agriculture, Natural Resources, and Health Sciences.



Biology

- AP Biology or IB Biology
- AP Chemistry or Principles of Chemistry 1 (DC)
- AP Calculus AB & AP Calculus BC or IB Mathematics: Analysis & Approaches
- AP Statistics

Chemistry

- AP Chemistry or Principles of Chemistry 1 (DC)
- AP Physics 1 & AP Physics 2 or IB Physics
- AP Calculus AB & AP Calculus BC or IB Mathematics: Analysis & Approaches
- AP Statistics

Environmental Science

- AP Biology or IB Biology
- AP Chemistry or Principles of Chemistry 1 (DC)
- Environmental Science (DC)
- AP Statistics
- AP US Government & Politics (DC)

Physics

- AP Physics 1 & AP Physics 2 or IB Physics
- AP Calculus AB & AP Calculus BC or IB Mathematics: Analysis & Approaches

Geoscience

- AP Chemistry or Principles of Chemistry 1 (DC)
- AP Physics 1 or IB Physics
- AP Calculus AB or IB Mathematics: Analysis & Approaches
- AP Statistics

Mathematics

- AP Calculus AB & AP Calculus BC or IB Mathematics: Analysis & Approaches
- AP Statistics

Computer Science

- AP Computer Science A
- AP Statistics
- Oral & Interpersonal Communication (DC)

AP - *Advanced Placement* **DC** - *Dual Credit* **IB** - *International Baccalaureate*

tiny earth

Tiny Earth offers students the opportunity to participate in authentic scientific research through the lens of discovering new antibiotics. This program is a partnership with UW-Green Bay and connected to an international network of college students participating in the research. The Tiny Earth program's headquarters are at UW-Madison. Students will learn about microbiology and soil science as they carry out an individual research project. They present the results of their research at a symposium held at the Lambeau Field Atrium.

Program Structure

- Available for GBAPSD juniors and seniors.
- Students participate at West High School.
- Students are required to attend a two-week lab skills bootcamp at UW-Green Bay during the summer before this course.
- During the fall semester, the program meets after school with a weekly class after school on the UW-Green Bay campus.
- Students present their research at a symposium in December.
- Students earn both high school and UWGB credits upon completing the course.

Courses

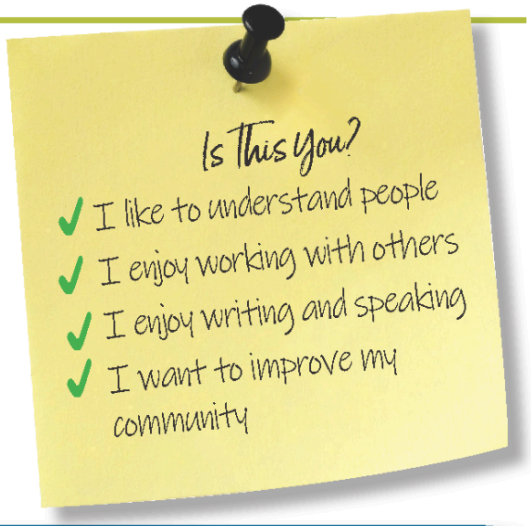
- **Tiny Earth: Lab Skills:** This course is the summer bootcamp that prepares students with the scientific and professional skills to conduct authentic research on the UW-Green Bay campus to identify and characterize the activity of antibiotics produced by soil bacteria as part of an international effort to address the global health crisis of antibiotic resistance. *Grades 11-12.*
- **Tiny Earth: Scientific Research and Design:** As scientists, students will generate their own hypotheses to determine soil environments most likely to contain antibiotic-producing bacteria of interest. They will use molecular, cellular, and biochemical techniques to identify soil isolates, as well as characterize the nature of the antimicrobial activity of the compounds produced by their soil bacteria. Students will join other students from universities across the state to present their research at a national symposium. *Prerequisite: Biology (or concurrent enrollment). Grades 11-12.*

For more information about the GBAPS program, contact Lisa Merkel (lmmerkel@gbaps.org) or Bonnie Gonzales (bagonzales1@gbaps.org)
For more information about the overall Tiny Earth program, visit https://www.uwgb.edu/tiny-earth/ or https://tinyearth.wisc.edu/

The Social Sciences

The following AP, IB, and dual credit courses can earn students credit in courses that routinely meet requirements in majors. Students should investigate the major requirements at their preferred college or university to choose courses that best meet their plans.

The Social Sciences are the study of human areas in the Social Sciences can be studied individually or applied to professional work in areas that include Business, Education, Law, Public Administration, and Social Services.



Economics

- AP Macroeconomics
- AP Statistics
- IB Economics

Political Science

- AP US Government & Politics (DC)
- AP Statistics

Psychology

- AP Psychology (DC), or IB Psychology
- AP Statistics
- AP Biology or IB Biology

Sociology

- Sociology (DC)
- AP Statistics

Education

- Introduction to Culturally Relevant Teaching & Learning (DC)
- Concepts, Issues, & Field Experience in Education (DC)

Students interested in secondary education should choose courses in their preferred content are field of study. Students interested in elementary education should choose courses related to their preferred minor or general education requirements.

Business

- AP English Language & Composition
- AP Macroeconomics
- AP Statistics
- Accounting 1 (DC)
- Business Law (DC)
- Marketing Priciples (DC)
- IB Business Management or Business Principles (DC)

Dual Credit Business courses from NWTC transfer to UWGB, but not most other colleges.

Pre-Law

- Pre-law is generally not a separate major
- Law schools consider students from all academic majors who have pursued rigorous academic study in a broad range of courses.
- The most traditional majors for law school preparation are History, English, Philosophy, Political Science, Economics, or Business.

AP - *Advanced Placement* **DC** - *Dual Credit* **IB** - *International Baccalaureate*

WORK-BASED LEARNING PROGRAMS

Work-based learning (WBL) programs provide students the opportunity to expand their learning outside of the classroom into a workplace environment. Students earn high school credit while being employed with a partnering business as they learn general employment skills and/or specific skills in a particular career.

WBL provides the following opportunities:

- Partnerships among educators, employers, students, parents, and community representatives.
- Development of learning and workplace skills including teamwork, time management, decision-making, responsibility, interpersonal communication skills, and respect for self and others.
- Motivation to stay actively involved in school.
- Improvement of school grades and attendance.
- Increase in student employability skills.
- Positive impact on workforce development.
- Increased awareness of careers in our community.
- Support for students to identify career pathways.

School counselors and IEP teachers are available to discuss matching the most appropriate program to students' needs and career interests. Job shadowing and service learning/volunteer opportunities can also provide valuable workplace experiences. Talk with your school counselor or IEP teacher for more information.

Program Options

- **Employment Experience:** Employment Experience is a local internship program in which students in Grades 11-12, who have obtained employment can earn credit by working and demonstrating employability skills. This program is intended for work positions that do not meet specific guidelines or hour requirements of Youth Apprenticeship.

- **Youth Apprenticeship (YA):** YA is a one- or two-year program for juniors and seniors that coordinates and integrates classroom instruction with work-based employment experience. Students attend classes at the high school or a postsecondary institution and receive training in a skilled occupational area or career cluster. Successful completion leads to a Department of Workforce Development (DWD) certificate of occupational proficiency.

- **Simulated Worksites:** The Career and Technical Education (CTE) capstone programs allow students to learn in a mock worksite that mirrors a real job setting. More information can be found on the information sheets for Bay Link Manufacturing, Bridges Construction and Renovation, and City Stadium Automotive.

- **Special Education Work-Based Learning:** There are multiple options in work-based learning for students with IEPs who need additional support on the job site. Entrance into these programs is decided upon by IEP teams only.
    - **On-the-Job Training (OJT):** OJT is a work-based learning program for students with disabilities in Grades 11-12 who require a limited amount of on-going adult supervision and support to be successful in the workplace.
    - **Work Experience:** Work Experience is a work-based learning program for students in grades 11-12 who require on-going support at the job site. For students enrolled in this program, the number of hours worked and credit options are determined on an individualized basis.

Grades and Credits

- **Grades:** Student grades in work-based learning programs are based on:
  - Related Course - grading criteria established by the course or program coordinator
  - Worksite - determined by the supervisor and teacher coordinator based on mastery of work-based competencies
- **Credits**
  - Students will receive credits for the successful completion of the related class. Students will also receive a maximum of one credit per term, or two credits per year, for work experience based on the number of hours they work. Students must complete the program in order to receive credit. (YA Certificates require 450 hours).
    - 90+ hours = 0.5 Credit
    - 180+ hours = 1.0 credit
    - 270+ hours = 1.5 Credits
    - 360+ hours = 2.0 credits
  - Students in the Green Bay Area Public School District can earn a maximum of six (6) credits for WBL experiences during high school, unless otherwise specified by the program or teacher coordinator.

Transportation

The student and his/her parent/guardian are responsible for providing transportation to the workplace (or postsecondary institutions). Transportation problems do not justify absence from school or work. Review district Policy 751.5 regarding the use of private vehicles to transport students if one student will be transporting another for school purposes. Students enrolled in special education programs may be eligible for services in the areas of travel and transportation based on individual needs.

Program Contact Information

For more information about WBL programs, please contact your School Counselor or the individuals listed below.

- **Employment Experience:** School Counselor
- **Youth Apprenticeship (YA):** NEWYA School-based Coach
- **Simulated Worksite:** School Counselor or Capstone Program Teacher
- **Special Education Work-Based Learning:** IEP Teacher

COURSE

DESCRIPTIONS

The courses listed in this coursebook reflect those offered in the school district. Whether a course runs at each school is determined by multiple factors, including student requests, available staff, and facility requirements.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

All students are encouraged, but not required, to join the FFA organization.

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
AGR724124	**Advanced Plant Science and Design/Dual Credit**			●	●		.75	●	●	●	
AGR012124	**Advanced Veterinary and Animal Science**			●	●		.5	●	●	●	
AGR080024	**Agriscience Lab Assistant**				●	●	.5	●	●	●	
AGR097724	**Agriscience/Life Skills**	●	●	●	●	●	.5	●	●	●	
AGR025124	**Biotechnology**		●	●	●	●	.5	●	●	●	
AGR026224	**Global Conservation Perspectives**	●	●	●	●		.5	●	●	●	
AGR020421 AGR020422	**Landscape, Floriculture and Greenhouse Management**	●	●	●	●		1	●	●	●	
AGR710924	**Large Animals and Veterinary Science/Dual Credit**		●	●	●		.75	●	●	●	
AGR010824	**Small Animal Veterinary Science**	●	●	●	●		.5	●	●	●	
AGR726324	**Sustainable Agriculture/Dual Credit**			●	●		.5	●	●	●	
AGR726421 AGR726422	**Urban Agriculture and Food Production/Dual Credit**			●	●	●	2			●	
AGR026124	**Wisconsin Natural Resources**	●	●	●	●		.5	●	●	●	

AGR724124 - ADVANCED PLANT SCIENCE AND DESIGN/DUAL CREDIT *(AFNR Pathway)*

0.75 Credit (3 College Credits) Grades 11-12 East, Preble, Southwest Prerequisite: None

In Advanced Plant Science and Design, students will gain skills and understanding to develop connections between coursework, community organizations, and related careers. They will study plant ecology, plant classification and care, horticultural crops and production, and principles of design. Students will learn about various aspects of the horticulture industry, including fruits, vegetables, ornamentals, greenhouse systems, landscape techniques, home gardens, and turf.

Notes: *Science elective equivalency credit will be awarded upon successful completion of this course. Students are still required to meet the 1.0 physical science and 1.0 biology graduation requirements.*
Students enrolled in this course are required to complete the application for FVTC enrollment.

AGR012124 - ADVANCED VETERINARY AND ANIMAL SCIENCE *(AFNR Pathway)*

0.5 Credit Grades 11-12 East, Preble, Southwest Prerequisite: None

The skills and understanding that students will gain in the Advanced Veterinary and Animal Science course will be to develop clear connections between future careers and their course work. They will have the opportunity to explore and experience the world of work, beneficial to career decision-making. This course will provide students with a firsthand opportunity to apply their skills and knowledge of animal anatomy and physiology; animal care and welfare; and the economic and environmental factors influencing various and diverse animal industries.

Note: *Science elective equivalency credit will be awarded upon successful completion of this course.*

AGR080024 - AGRISCIENCE LAB ASSISTANT

0.5 Credit Grade 12 East, Preble, Southwest Prerequisite: Approval of Agriscience Department Chairperson, Supervising Teacher, and school counselor.

This is a term-long opportunity for a student to assist in lab project activities. Students may only take this course two times for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward graduation credit but will not be calculated in the GPA.*

AGR097724 - AGRISCIENCE/LIFE SKILLS

0.5 Credit Grades 9-12 East, Preble, Southwest Prerequisite: Teacher Recommendation

This course gives students opportunities to participate in Agriscience activities using a modified curriculum. The Agriscience curriculum content as well as the instruction and assessment are modified. Activities will be designed to meet the individual needs of the students.

AGR025124 - BIOTECHNOLOGY *(AFNR Pathway)*

0.5 Credit Grades 10-12 East, Preble, Southwest Prerequisite: Recommended: Biology

This course focuses on the use of modern biotechnology in Agriscience, including genetic engineering, hydroponics, tissue cultures, sustainable agriculture, and technologies in food processing. Careers in these ever-changing agriscience and natural resource technologies will be explored. This course will not only provide experience in research and development, but is ideal for students looking to expand their knowledge of the latest advancements in animal and human health, science, and technology.

Note: *Science elective equivalency credit will be awarded upon successful completion of this course.*

AGR026224 - GLOBAL CONSERVATION PERSPECTIVES *(AFNR Pathway)*
0.5 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: None*

This course explores how natural resource management impacts us and our global neighbors. It will provide students with a diverse overview of the conservation and management of natural resources globally. They will explore relationships between global issues and local communities in our world.

AGR020421 / AGR020422 - LANDSCAPE, FLORICULTURE, AND GREENHOUSE MANAGEMENT *(AFNR Pathway)*
1.0 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: None*

The skills and understanding that students will gain in the Landscape, Floriculture, and Greenhouse Management course combined science, business and career exploration. Students will learn that people who work in the agribusiness industry, study plants and their growth. Students will learn how producers of food, feed and fiber crops continue to feed a growing population while conserving natural resources and maintaining the environment. Course content also includes plant growth and reproduction, greenhouse basics, introductory biotechnology, fertilizers, plant and tree identification, controlling weeds and pests, and safe and proper use of agricultural chemicals. This course provides good background knowledge and skills for technical or college training in the plant science industry.

AGR710924 - LARGE ANIMALS AND VETERINARY SCIENCE/DUAL CREDIT *(AFNR Pathway)*
0.75 Credit (3 College Credits) *Grades 10-12* *East, Preble, Southwest* *Prerequisite: None*

This course provides students with basic skills needed to understand how animals are raised for food, clothing, and recreation. Nutrition, reproduction, and basic management relating to animal welfare will be covered. Skills related to the recreational use of horses as well as meat, dairy and fiber processing will be included in this course. Speakers will visit throughout the course providing their knowledge of working with animals and job-related experiences. Occupations relating to large animal science fields, veterinarians, veterinary technicians, food and fiber processing and sales will be emphasized. This course provides good background knowledge and skills for technical or college training in the animal science industry.

Note: *Students enrolled in this course are required to complete the application for FVTC enrollment.*

AGR010824 - SMALL ANIMAL VETERINARY SCIENCE *(AFNR Pathway)*
0.5 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: None*

In this course, students will focus on how to take care of small animals and learn the basics of veterinary medicine. This course includes learning about dogs, cats, rabbits, fish, birds, etc. Students are taught about the nutrition, genetics, diseases, and reproduction of each animal species. Students will get hands-on experiences with live animals. Speakers will visit throughout the course providing their knowledge of working with animals and job-related experiences. This is the perfect class to take if students are considering going into the veterinary medicine health career field or just want to be a better caregiver for their pet(s). This course provides good background knowledge and skills for technical or college training in the animal science industry.

AGR726324 - SUSTAINABLE AGRICULTURE/DUAL CREDIT *(AFNR Pathway)*
0.5 Credit (2 College Credits) *Grades 11-12* *East, Preble, Southwest* *Prerequisite: None*

In this course, students will use critical thinking skills to compare organic and sustainable agricultural practices with industrial agriculture. They will explore food production issues including antibiotics, herbicides, hormones, GMOs, animal welfare, crop yields, nutrients, and pollution.

AGR726421 / AGR726422- URBAN AGRICULTURE AND FOOD PRODUCTION/DUAL CREDIT *(AFNR Pathway)*
2 Credits (3 College Credits) *Grades 11-12* *Southwest* *Prerequisite: Application Process. One previous Agriscience course*

In Urban Agriculture and Food Production, students will learn the operations of agribusiness through this capstone farm-to-fork, work-based learning course. They will be introduced to agribusiness growing and production from small cottage industries to large scale food production. Students will explore the future of the urban agriculture industry by using hydroponic, aquaponic, and aeroponic growing systems; the growing industries of fish farming and beekeeping; and urban growing and value added products. They will use new technologies in agriculture including robotics, automation, and data science, as well as emerging industries in food production and environmental sustainability. Students will discuss year-round agribusiness opportunities in urban and suburban areas and how they can impact food access and food quality in our communities.

AGR026124 - WISCONSIN NATURAL RESOURCES *(AFNR Pathway)*
0.5 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: None*

This course introduces students to the skills and knowledge necessary for careers in wildlife conservation and other natural resource areas. Students will study Wisconsin wildlife identification, habitats and ecology with many hands-on activities; including taxidermy, fishing techniques, survival skills, and wildlife tracking. They will use and apply current technologies, laws and regulations regarding wildlife while examining careers in wildlife management, game law enforcement, and natural resources.

ART AND DESIGN

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
ART026321 ART026322	**AP Art and Design**				●	●	1	●	●	●	
ART027424	**Art Lab Assistant**				●	●	.5	●	●	●	●
ART099724	**Art/Life Skills**	●	●	●	●	●	.5	●	●	●	●
ART012824 ART612824	**Ceramics and Sculpture 1**	●	●	●	●	●	.5	●	●	●	●
ART012924 ART612924	**Ceramics and Sculpture 2**		●	●	●	●	.5	●	●	●	●
ART013224	**Ceramics and Sculpture 3**		●	●	●	●	.5	●	●	●	●
ART025624	**Comparative Arts**	●	●	●	●	●	.5	●			
ART014324	**Design and Mixed Media**	●	●	●	●		.5	●			
ART014424 ART614424	**Digital Art and Design 1**	●	●	●	●	●	.5	●	●	●	●
ART014524	**Digital Art and Design 2**		●	●	●	●	.5	●	●	●	●
ART012624 ART612624	**Drawing and Painting 1**	●	●	●	●	●	.5	●	●	●	●
ART012724 ART612724	**Drawing and Painting 2**		●	●	●	●	.5	●	●	●	●
ART013324	**Drawing and Painting 3**		●	●	●	●	.5	●	●	●	●
ART026521	**IB Visual Art SL (Semester 1)**			●	●		.5				●
ART026522	**IB Visual Art SL (Semester 2)**			●	●	●	1				●
ART026621 ART026622	**IB Visual Art HL (Year 1)**			●			1				●
ART026721 ART026722	**IB Visual Art HL (Year 2)**				●	●	1				●
ART714124	**Illustrator Fundamentals/Dual Credit**		●	●	●		.75	●	●	●	
ART026424	**Introduction to Visual Art and Design**	●	●	●	●		.5	●	●	●	●
ART714024	**Photoshop Fundamentals/Dual Credit**		●	●	●		.75	●	●	●	
ART025524	**World Art and Culture**	●	●	●	●		.5	●	●	●	●

ART026321 / ART026322 - AP ART AND DESIGN

1.0 Credit *Grade 12* *East, Preble, Southwest* *Prerequisite: One level 3 course or Teacher recommendation based upon student demonstration of artistic skills*

AP Art and Design consists of three different options - AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. Student portfolios are based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

ART027424 - ART LAB ASSISTANT

0.5 Credit *Grade 12* *East, Preble, Southwest, West* *Prerequisite: Approval of Art Department Chairperson, Supervising Teacher, and school counselor.*

This is a great opportunity for students who are looking for a career in art or art education. This is a term-long commitment for a student to assist in classroom organization and project activities. The assistant will work with the instructor to monitor the art lab, make examples for future projects, create displays, and work on individual projects. There will be a limited amount of assistants each term, and students must get approval from the art teacher before scheduling this course. Students may only take this course two times for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward graduation credit but will not be calculated in the GPA.*

ART099724 - ART/LIFE SKILLS

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

Art and design courses provide students with an opportunity to explore their world through creative problem solving and physical and emotional interaction. This art course allows students to explore multiple outlets of personal expression through the visual arts. Students will design and produce two-dimensional and three-dimensional works of art utilizing the elements and principles of design. This course will utilize high order thinking skills as students work to become visually literate, creative problem solvers.

ART012824 - CERAMICS AND SCULPTURE 1
ART612824 - CERAMICS AND SCULPTURE 1 (MYP)

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Completion of middle school Art, Introduction to Visual Art and Design, or Teacher recommendation based upon student demonstration of artistic skills*

This beginning course allows students to explore the exciting world of three-dimensional artwork. Students express their creativity from a variety of materials including; clay, plaster, metals, wood, wire, balsa foam, foam core, mosaic, and mixed media. In clay, students will study the methods of hand building and various clay techniques. Project examples may include mobiles, plaster figures, animal and human sculptures, architectural or organic forms, metal picture frames, metal sculptures, and clay containers. This course increases the student's spatial awareness and appreciation of the three-dimensional form.

ART012924 - CERAMICS AND SCULPTURE 2
ART612924 - CERAMICS AND SCULPTURE 2 (MYP)

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Ceramics and Sculpture 1*

This course will concentrate on improving skills, craftsmanship, and techniques developed in Ceramics and Sculpture 1. Students have the opportunity to produce both functional and non-functional works of art in a variety of materials. Students may broaden their experiences by learning new processes such as lost wax (ring or pendant) casting, glasswork, chainmail, enameling, clay sculpting, assemblage, stone carving, and clay wheelwork. This course develops critical thinking, problem solving, and imagination skills, which are crucial to any career and the enrichment of one's life.

ART013224 - CERAMICS AND SCULPTURE 3

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Ceramics and Sculpture 2*

Designed for dedicated ceramics and sculpture students, this course builds directly upon the foundational techniques, craftsmanship, and artistic skills developed in Ceramics & Sculpture 1 and 2. Students will explore advanced concepts in three-dimensional art through both functional and non-functional works across a variety of media. Emphasis is placed on independent artistic growth, ideation, critical thinking, and refined craftsmanship. Through personal projects, ongoing reflection, and critiques, students will develop essential problem-solving and studio skills applicable to future artistic pursuits and creative careers.

Note: *This course will run at the same time as Ceramics and Sculpture 2*

ART025624 - COMPARATIVE ARTS

0.5 Credit *Grades 9-12* *East* *Prerequisite: None*

This course introduces the inter-disciplinary arts through comparison and contrast and will utilize both historical and contemporary perspectives. Presentations of art, music, literature, dance, and theatre will be explored to expose the student to the many possibilities that exist for them to discover. The final of the course will be a project representing the student's major incorporating at least two other artistic disciplines, e.g. music, literature and art combined into one presentation.

Note: *This course is required for all students in the Fine Arts Institute at East.*

ART014324 - DESIGN AND MIXED MEDIA

0.5 Credit *Grades 9-12* *East* *Prerequisite: None*



A one-semester course that will serve as a foundational course for any student interested in art. Students will explore the importance of understanding the principles of design and applying it through mixed media visual art mediums. Learning to differentiate line and space definition, balance, movement, emphasis, harmony, unity and variety as well as examining and developing 2-D and 3-D art through mixed media will be explored. The student will study pattern and proportion as well as light value (light and dark) and texture in theory and then apply it in a mixed medium project. Mixed media may include: yarn, rope, ceramic and mosaic tile, clay, light metal such as aluminum, acrylics, and paper.

ART014424 - DIGITAL ART AND DESIGN 1
ART614424 - DIGITAL ART AND DESIGN 1 (MYP)

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Completion of middle school Art, Introduction to Visual Art and Design, or Teacher recommendation based upon student demonstration of artistic skills*

This course introduces students to the fundamentals of digital art and creative technology, with a primary focus on visual communication and graphic design. Through hands-on projects, students will explore industry-standard software to create original vector illustrations, digital paintings, and layouts combining text with images. Participants will build visual literacy and creative problem-solving skills as they explore the real-world impact of typography, color theory, and composition. This course serves as the ideal springboard for advanced digital design and media studies.

ART014524 - DIGITAL ART AND DESIGN 2
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Digital Art and Design 1*

Students will step into the roles of creative professionals and entrepreneurs to explore how designers solve problems and capture attention. This course pushes students to solve more complex, real-world design problems using professional graphic design workflows. They deepen their skills with industry-standard software as they move from creating single assets to developing full branding systems, advanced vector artwork, and multi-page layouts. Along the way, students practice design thinking and project management, turning their ideas into polished digital and print pieces. By the end of the course, they'll have a refined portfolio that shows strong technical skill, thoughtful design choices, and creative growth.

ART012624 - DRAWING AND PAINTING 1
ART612624 - DRAWING AND PAINTING 1 (MYP)
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Completion of Art in middle school, Introduction to Visual Art and Design, or Teacher recommendation based upon student demonstration of artistic skills*

In Drawing & Painting 1, students will learn a variety of drawing and painting techniques. Through hands-on projects, students will work with media such as graphite, colored pencil, charcoal, ink, watercolor, acrylic paint, printmaking and mixed media. This course emphasizes observation, craftsmanship, problem-solving, and artistic growth. Art history, contemporary artists, and cultural influences will be integrated throughout the course to help students understand the role of art across time and cultures. Students will show their understanding of the Art Elements and Design principles as they make creative decisions for their original artistic compositions.

ART012724 - DRAWING AND PAINTING 2
ART612724 - DRAWING AND PAINTING 2 (MYP)
0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Drawing and Painting 1*

Drawing & Painting 2 is an intermediate studio course designed for students seeking to refine their technical skills and expand their personal artistic voice. Building on fundamental techniques learned in introductory courses, students will explore visual problem-solving using materials such as graphite, charcoal, colored pencil, ink, acrylic, printmaking and mixed media. Students will take initiative developing original works of art, experiment with unconventional compositions, and engage thoughtfully in the constructive critique process. Art history, contemporary artists, and cultural influences will be investigated throughout the course to help students understand the role of art across time and cultures.

ART013324 - DRAWING AND PAINTING 3
0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Drawing and Painting 2*

Drawing and Painting 3 is an advanced studio course designed for students to take greater ownership of their artistic practice and refine their technical skills. Through a variety of drawing, painting, printmaking, and mixed-media, students will develop original works of art while experimenting with new approaches to composition, process, and visual expression. Students will work independently, take creative risks, thoughtfully respond to feedback, and make intentional artistic choices as they develop a body of work. Students will focus on portfolio development, critical self-evaluation, and participating in peer critiques to prepare for college-level art programs or professional creative pursuits.

Note: *This course will run at the same time as Drawing and Painting 2*

ART026621 / ART026622 - IB VISUAL ART HL (Year 1)
1.0 Credit *Grade 11* *West* *Prerequisite: None*
ART026721 / ART026722 - IB VISUAL ART HL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB Visual Art HL (Year 1)*
ART026521 - IB VISUAL ART SL (Semester 1)
0.5 Credit *Grades 11-12* *West* *Prerequisite: None*
ART026522 - IB VISUAL ART SL (Semester 2)
0.5 Credit *Grades 11-12* *West* *Prerequisite: IB Visual Art SL (Semester 1)*

Visual Arts encourages students to challenge their own creative and cultural expectations and boundaries. Students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students engage in, experiment with, and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education, as well as for those who are seeking lifelong enrichment through visual arts.

ART714124 - ILLUSTRATOR FUNDAMENTALS/DUAL CREDIT
0.75 Credit (3 College Credits) *Grades 10-12* *East, Preble, Southwest* *Prerequisite: None*

In this course, students create and paint basic shapes, draw, transform objects, work with type, blend shapes and colors, work with layers, special effects, and color separations. It is an introduction to manipulating vector-based images. Students will have the opportunity to earn Adobe Certified Associate (ACA) certification in Illustrator.

ART714024 - PHOTOSHOP FUNDAMENTALS/DUAL CREDIT

0.75 Credit (3 College Credits) *Grades 10-12* *East, Preble, Southwest* *Prerequisite: None*

In this course, students will use Adobe Photoshop and Adobe Acrobat for scanning, editing, color correcting, and creating composite montage photographs. Prepare images for publication in print. It is an introduction to manipulating bitmap images. Students will have the opportunity to earn Adobe Certified Associate (ACA) certification in Photoshop.

- INTRODUCTION TO VISUAL ART AND DESIGN

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This introductory course explores the foundations of art and design through hands-on projects, creative problem-solving, and experimentation with a variety of media. Students will learn about two-dimensional forms, three-dimensional forms, and graphic design. No previous art experience is required; the course is designed to build foundational skills, visual literacy, and creative confidence. This course is intended for students who did not take Art in middle school to learn about all artistic media.

ART025524 - WORLD ART AND CULTURE

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course introduces students to global art traditions and the many ways cultures express ideas, beliefs, identities, and experiences through art. Students explore art forms from around the world and create their own projects using clay, fiber, paper, paint, and a variety of other materials. Hands-on activities encourage curiosity, cultural appreciation, creative exploration, and an understanding of the connections between art and culture. No previous art experience is necessary.

BUSINESS, MARKETING, AND INFORMATION TECHNOLOGY

All students are encouraged, but not required, to join one or more of the related student organizations, DECA or FBLA.

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
BUS710021 BUS710022	**Accounting 1/Dual Credit**		●	●	●		1	●	●	●	●
BUS713124	**Accounting Principles**		●	●	●		.5	◆	◆	◆	◆
BUS029421 BUS029422	**AP Computer Science Principles (PLTW)**	●	●	●	●	●	1	●	●	●	●
BUS021521 BUS021522	**Business and Marketing Internships**				●	●	1	●	●	●	●
BUS716124	**Business Law/Dual Credit**			●	●		.75	●	●	●	●
BUS715324	**Business Principles/Dual Credit**		●	●	●		.75	●	●	●	●
BUS027824	**Computer Essentials**	●	●	●	●		.5	●	●	●	●
BUS029024	**Computer Lab Assistant**				●	●	.5	●	●	●	●
BUS098724	**Computer Literacy/Life Skills**	●	●	●	●	●	.5	●	●	●	●
BUS029224	**Computer Repair and Troubleshooting**		●	●	●		.5	●	●		
BUS015024 BUS615024	**Digital Media**	●	●	●	●		.5	●	●	●	●
BUS030121 BUS030122	**IB Business Management HL (Year 1)**			●			1				●
BUS030221 BUS030222	**IB Business Management HL (Year 2)**				●	●	1				●
BUS014424 BUS614424	**Introduction to Marketing**	●	●	●	●		.5	●	●	●	●
BUS714124	**Marketing Principles/Dual Credit**		●	●	●		.75	●	●	●	●
BUS013024	**Marketing Projects**		●	●	●		.5	●	●	●	●
BUS727024	**Microsoft Office/Dual Credit**	●	●	●	●		.5	●	●	●	●
BUS027224	**Mobile App Development and Design**	●	●	●	●		.5	●	●	●	●
BUS014024	**Sports and Event Marketing**		●	●	●		.5	●	●	●	●
BUS728824	**Web Design 1/Dual Credit**	●	●	●	●		.75	●	●	●	●
BUS028924	**Web Design 2**	●	●	●	●	●	.5	●	●		●

BUS710021 / BUS710022 - ACCOUNTING 1/DUAL CREDIT

1.0 Credit (4 College Credits) *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course is strongly recommended for any student planning to pursue a degree in a business related field. Course content includes: keeping financial records, summarizing records for convenient interpretation, and analyzing records to provide assistance to management for decision-making. This course uses a variety of computer and interactive online programs and simulations.

BUS013124 - ACCOUNTING PRINCIPLES

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course will provide a basic understanding of accounting principles for a business. As a fundamental building block of business, accounting skills can open doors in every kind of industry. The course emphasizes the construction of the basic financial accounting statements. Students will be able to read, analyze, and interpret financial information to make informed business decisions.

Notes: *Accounting Principles will run at the same time as the first semester of Accounting 1*
This course is available as Advanced Standing through NWTC

BUS029421 / BUS029422 - AP COMPUTER SCIENCE PRINCIPLES (PLTW)

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Algebra 1*

AP Computer Science Principles is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

BUS021521 / BUS021522 - BUSINESS AND MARKETING INTERNSHIPS

Year/1 Credit *Grade 12* *East, Preble, Southwest, West* *Prerequisite: Concurrent enrollment in Youth Apprenticeship or participation in an employment-related school activity*

In this class, you will apply what you learned in previous Business, Marketing, and Information Technology courses through solving real world business problems. Course content will include utilizing technology to solve business problems, customer service, coordinating and managing meetings and presentations, marketing, entrepreneurship, human relations, and the skills needed to find a great job.

BUS716124 - BUSINESS LAW/DUAL CREDIT

0.75 Credit (3 College Credits) *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course provides a practical understanding of the impact of law and the legal system on business and business owners. Topics include an introduction to criminal business and tort law; sales, credit, and contract law; agency and employment law; negotiable instruments; and forms of business ownership. Impacts of law on global business issues will also be discussed.

BUS715324 - BUSINESS PRINCIPLES/DUAL CREDIT

0.75 Credit (3 College Credits) *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

This project-based course will introduce students to the constantly changing world of Business and Information Technology. This course is designed to explore a wide variety of business foundations. Topics discussed in this course include: general business terms and concepts, international business, human resources, business communication, corporate finance, business leadership, teamwork, management, and ethics.

BUS027824 - COMPUTER ESSENTIALS

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

Effective computer skills are essential in the workplace. In this course, students will improve keyboarding skills, as well as learn basic fundamentals of Microsoft Office to prepare business and personal documents. Students will also create professional job application documents. In addition, they will learn how to create effective business presentations. This course is a great introduction to other computer courses offered and will help students develop skills that can help them succeed at school, on-the-job, and for personal use. Students will have the opportunity to earn Certiport Internet Core Computing (IC3) certification.

BUS029024 - COMPUTER LAB ASSISTANT

0.5 Credit *Grade 12* *East, Preble, Southwest, West* *Prerequisite: Approval of Business Education Department Chairperson, Supervising Teacher, and school counselor.*

This is a term-long opportunity for a student to assist in lab supervision and project activities. The assistant will work with the instructor to monitor the computer lab, formulate activities for computer lab demonstrations, demonstrate skill operations and serve as an alternate channel of student/instructor communications. Students may only take this course two times for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward graduation credit but will not be calculated in the GPA.*

BUS098724 - COMPUTER LITERACY/LIFE SKILLS

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course is designed to teach computer literacy and life skills using an adapted curriculum. The goal for students is to acquire the computer skills necessary to enter and manipulate text and data. Emphasis will be on developing skills for personal use and future employment.

BUS029224 - COMPUTER REPAIR AND TROUBLESHOOTING

0.5 Credit *Grades 10-12* *East, Preble* *Prerequisite: None*

Have you ever wondered how computers work and how to fix them? Then this class is for you! Using the Cisco IT Essentials curriculum, you will learn to assemble and repair computers and related technology equipment through a variety of online and hands-on activities on actual computer hardware. You will learn to identify the internal components of a computer, build and repair computer systems, install an operating system, and troubleshoot computer and peripheral equipment problems using system tools and diagnostic software. Students will have the opportunity to earn CISCO IT Essentials certification.

BUS015024 - DIGITAL MEDIA
BUS615024 - DIGITAL MEDIA (MYP)

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

Learn the software that media pros use - Adobe Creative Cloud. In this creative and fun class, you will learn how to use: Adobe Photoshop, Illustrator, Audition, and Premiere to do graphic design, audio, and video editing. If you are into computers, graphic design, photography, or multimedia, this is the class for you. Students will have the opportunity to earn Adobe Certified Associate (ACA) certification in Photoshop.

BUS030121 / BUS030122 - IB BUSINESS MANAGEMENT HL (Year 1)

1.0 Credit *Grade 11* *West*

BUS030221 / BUS030222 - IB BUSINESS MANAGEMENT HL (Year 2)

1.0 Credit *Grade 12* *West* *Prerequisite: IB Business Management HL (Year 1)*

Business Management develops students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss, and evaluate business activities at local, national, and international levels. They will study a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate. The course covers the key characteristics of business organization and environment, and the business functions of human resource management, finance and accounts, marketing, and operations management. Students will be encouraged to appreciate ethical concerns at both a local and global level.

BUS014424 - INTRODUCTION TO MARKETING
BUS614424 - INTRODUCTION TO MARKETING (MYP)
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This introductory course is perfect for all students who want to learn more about business and marketing. The course explores consumer behavior, advertising, social media, promotions, market research, selling, and public relations. Students participate in hands-on projects and get a chance to show their creative side.

BUS714124 - MARKETING PRINCIPLES/DUAL CREDIT
0.75 Credit (3 College Credits) *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

What do Apple, ESPN, Facebook, Google, and Nike have in common? They are all successful marketers! Learn the skills and methods that have helped these companies to become some of the world's most recognized and celebrated brands. Topics include: marketing management, market segmentation, market research, consumer behavior, product decisions, management of distribution, pricing, and promotional decisions for strategy planning. While not required for this course, DECA components will be discussed and encouraged.

BUS013024 - MARKETING PROJECTS
0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

The Marketing Projects course is designed to challenge students that are interested in understanding topics related to advertising, hospitality, social media, travel and tourism, and customer service. Classroom activities will showcase fun and challenging case studies that will provide a good understanding of many careers in business and marketing. Students interested in this course will find great value in the presentations, real world projects, and lively class discussions. While not required for this course, DECA components will be discussed and encouraged.

BUS727024 - MICROSOFT OFFICE/DUAL CREDIT
0.5 Credit (2 College Credits) *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

Microsoft Word, Excel, and PowerPoint are essential programs used in college and the workplace. This course goes beyond the fundamentals of Microsoft Office to offer real-world tasks to prepare students for high school, college, and the world of work. Students will learn to use Microsoft Office through a project-based approach to creating and enhancing documents and worksheets. Students will have the opportunity to earn Microsoft Office Specialist certification in Word, Excel, and PowerPoint.

BUS027224 - MOBILE APP DEVELOPMENT AND DESIGN
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This project-based course will engage students as they learn to produce mobile applications used in smartphones, tablets, and other personal electronics. The students will use software to design, illustrate, and edit graphics that will be used in the production of effective and practical mobile applications. The intent of this course is to provide students with the design for these technology products is increasing rapidly. The project-based course will engage students in one of the hottest trends in business. Students will be able to design and develop their own mobile applications for use on mobile devices.

BUS014024 - SPORTS AND EVENT MARKETING
0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

Sports and Event Marketing is a course that is designed for students interested in sports and event marketing. Emphasis is placed on the following principles as they apply to the industry: sponsorship, stadium design, game day programs, ticket design and pricing, sponsorship proposals, endorsement contracts, and marketing plans.

BUS728824 - WEB DESIGN 1/DUAL CREDIT
0.75 Credit (3 College Credits) *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

Do you want to create your own personal place on the Internet to start an online business or personal social site? You will use a variety of design software to organize, create, publish, and manage a website. Course content includes writing HTML and CSS code, creating a variety of graphic elements for the web, formatting page design for desktop and mobile devices, and producing a functional, multi-page website. Students will have the opportunity to earn Adobe Certified Associate (ACA) certification in Dreamweaver.

BUS028924 - WEB DESIGN 2
0.5 Credit *Grades 9-12* *East, Preble, West* *Prerequisite: Web Design 1*

In this class, you will expand your knowledge of web development software to create interactive animations and dynamic web content with databases. Course content includes web animation, responsive layout design for desktop and mobile devices, web server technologies, interactive web content (ASP.net), and databases. Students will have the opportunity to earn Adobe Certified Associate (ACA) certification in Animate.

ENGLISH LANGUAGE ARTS

Graduation Requirement: 4.0 Credits

Course Code	Course Name	Grade 9	Grade 10	Grade 11	Grade 12	Prerequisite	Course Length	Credit	School E	School P	School S	School W
Recommended Course Sequence												
Grade 9 *Students who took Accelerated English Language Arts 8 should request English Language Arts 10.*												
ENG031121 ENG031122 ENG631121 ENG631122	**English Language Arts 9**	•					Year	1	•	•	•	•
Grade 10.												
ENG032121 ENG032122 ENG632121 ENG632122	**English Language Arts 10**		•				Year	1	•	•	•	•
Grades 11 and 12: Choose one year long course or two-semester long courses. **In Grade 11, if selecting the semester courses, students must choose one literature and one composition course.**												
ENG038121 ENG038122	**AP English Language and Composition**			•	•		Year	1	•	•	•	
ENG038021 ENG038022	**AP English Literature and Composition**			•	•		Year	1	•	•	•	
ENG036724	**Creative Works**			•	•		Semester	.5	•	•	•	•
ENG038424	**Dramatic Literature**			•	•		Semester	.5	•	•	•	•
ENG738224	**English Composition/Dual Credit**			•	•	•	Semester	.75	•	•	•	•
ENG033121 ENG033122	**English Language Arts 11**			•			Year	1	•	•	•	•
ENG039321 ENG039322	**IB English: Language and Literature HL (Year 1)**			•			Year	1				•
ENG039421 ENG039422	**IB English: Language and Literature HL (Year 2)**				•	•	Year	1				•
ENG039521 ENG039522	**IB Literature and Performance SL**			•	•		Year	1				•
ENG036424	**Myths, Legends, and World Literature**			•	•		Semester	.5	•	•	•	•
ENG734724	**Oral and Interpersonal Communication/Dual Credit**			•	•	•	Semester	.75	•	•	•	•
ENG037724	**Science Fiction, Fantasy, and Horror**			•	•	•	Semester	.5	•	•	•	•
ENG036624	**Technical and Professional Communication**			•	•	•	Semester	.5	•	•	•	•
ENG038324	**Timeless Literary Works**			•	•	•	Semester	.5	•	•	•	•
ENG037524	**Writing For Publication**			•	•	•	Semester	.5	•	•	•	•
ENG036324	**Writing in Contemporary Society**			•	•	•	Semester	.5	•	•	•	•
Additional Opportunities												
FSE034021 FSE034022	**English Language Arts/Life Skills**	•	•	•	•	•	Year	1	•	•	•	•
RDG091221 RDG091222 SSE092221 SSE092222	**Literacy Extension**	•	•	•	•	•	Semester /Year	.5/1	•	•	•	•

ENG038121 / ENG038122 - AP ENGLISH LANGUAGE AND COMPOSITION

1.0 Credit *Grades 11-12* *East, Preble, Southwest* *Prerequisite: Grade 11 or completion of English Language Arts 10*

AP English Language and Composition focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

ENG038021 / ENG038022 - AP ENGLISH LITERATURE AND COMPOSITION

1.0 Credit *Grades 11-12* *East, Preble, Southwest* *Prerequisite: Grade 11 or completion of English Language Arts 10*

AP English Literature and Composition focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

ENG036724 - CREATIVE WORKS *(Literature Course)*
0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: Grade 11 or completion of English Language Arts 10*

In Creative Works, students develop their own style as creative writers. Students will analyze various creative works as mentor texts and use analysis to foster specific improvements in their own writing regarding tone, diction, character development, narrator, and structure. Students will produce creative works across multiple genres culminating in a portfolio of their best pieces.

ENG038424 - DRAMATIC LITERATURE *(Literature Course)*
0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: Grade 11 or completion of English Language Arts 10*

In Dramatic Literature, students will read and analyze various works of literature and then evaluate interpretations of them in a performance. After studying performance fundamentals, including directing and producing, the students will create their own short, dramatic interpretations from significant works of literature and share them through performance genres such as drama, choral readings, dance, and song.

ENG738224 - ENGLISH COMPOSITION/DUAL CREDIT *(Composition Course)*
0.75 Credit (3 College Credits) *Grades 11-12* *East, Preble, Southwest, West*
Prerequisite: Two credits in English

In English Composition, students develop knowledge and skills in planning, organizing, writing, and editing explanatory text. Students will also analyze audience/purpose, use elements of research, format documents using MLA standard guidelines, and develop critical reading skills. Students will produce original written works that display mastery of basic forms of writing and the fundamentals of grammar.

ENG031121 / ENG031122 - ENGLISH LANGUAGE ARTS 9
ENG631121 / ENG631122 - ENGLISH LANGUAGE ARTS 9 (MYP 4)
1.0 Credit *Grade 9* *East, Preble, Southwest, West* *Prerequisite: None*

English Language Arts 9 takes students through literary and informational texts that explore how individuals are affected by their choices, journeys, and interactions with others. The course offers a wide variety of literature to explore the units' essential questions, and students apply what they learn about those genre elements to their own narrative, informative, argumentative, and research writing projects.

ENG032121 / ENG032122 - ENGLISH LANGUAGE ARTS 10
ENG632121 / ENG632122 - ENGLISH LANGUAGE ARTS 10 (MYP 5)
1.0 Credit *Grade 10* *East, Preble, Southwest, West* *Prerequisite: None*

English Language Arts 10 guides students through literary and informational texts that explore how individuals interact with each other through exchanges involving culture, language, and relationships. The course offers a wide variety of literature to explore the units' essential questions, and students apply what they learn about those genre elements in a literary analysis, informative writing, narrative story, and an oral presentation.

ENG033121 / ENG033122- ENGLISH LANGUAGE ARTS 11
1.0 Credit *Grade 11* *East, Preble, Southwest, West* *Prerequisite: None*

English Language Arts 11 takes students through literary and nonfiction texts that capture key periods in American literature, beginning with the early American period and moving through time to the contemporary moment. Students will read poetry, essays, speeches, historical documents and fiction to develop a robust picture of key moments in American literature and complete writing projects in a variety of genres.

FSE034021 / FSE034022 - ENGLISH LANGUAGE ARTS/LIFE SKILLS
1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course focuses on the functional knowledge and skills necessary for achieving reading, writing and language competency in the workplace and community life. Reading includes decoding and comprehending essential information to communicate effectively with others, and the language strand focuses on receptive and expressive communication modes. The student is expected to acquire skills in whatever communication mode is appropriate.

ENG039321 / ENG039322 - IB ENGLISH: LANGUAGE AND LITERATURE HL (Year 1)
1.0 Credit *Grade 11* *West*
ENG039421 / ENG039422 - IB ENGLISH: LANGUAGE AND LITERATURE HL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB English: Language and Literature HL (Year 1)*

In English: Language and Literature, students study the complex and dynamic nature of language and explore both its practical and aesthetic dimensions. They will explore the crucial role language plays in communication, reflecting experience and shaping the world, and the roles of individuals themselves as producers of language. Students will explore the various ways in which language choices, text types, literary forms and contextual elements all affect meaning. Through close analysis of various text types and literary forms, students will consider their own interpretations, as well as the critical perspectives of others, to explore how such positions are shaped by cultural belief systems and to negotiate meanings for texts.

ENG039521 / ENG039522 - IB LITERATURE AND PERFORMANCE SL
1.0 Credit Grades 11-12 West Prerequisite: None

Literature and Performance incorporates essential elements of literature and performance and aims to explore the dynamic relationship between the two. At the heart of the course is this interaction between a conventional literary emphasis on close reading, critical writing and discussion and the practical, aesthetic and symbolic elements of performance. A distinctive outcome of this synthesis is the performance of a piece transformed from poetry or prose. In this exciting, creative process, text is viewed from different angles in a way that goes beyond what is characteristic of either literary or theatre studies as single disciplines. The course examines literary and dramatic texts and seeks to develop intellect, imagination and creativity. It encourages intercultural awareness through a study of texts from more than one culture.

RDG091221 / RDG091222 - LITERACY EXTENSION
SSE092221 / SSE092222 - LITERACY EXTENSION
0.5 Credit per term Grades 9-12 East, Preble, Southwest, West Prerequisite: Teacher Recommendation based on specified achievement data

This course uses high-interest literature and direct instruction in reading, writing, and vocabulary skills to accelerate progress for those who have been challenged by reading and/or writing. The focus is on each student's needs in order to help them become successful readers.

Note: *Students will receive elective credit.*

ENG036424 - MYTHS, LEGENDS, AND WORLD LITERATURE *(Literature Course)*
0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Grade 11 or completion of English Language Arts 10

In Myths, Legends, and World Literature, students trace thematic and literary connections to examine how authors from different cultures and eras approach universal questions, such as: Who are we? What do we believe? What do we seek? Why do we fight? Why do we love? and What end awaits us? As they explore identity, culture, and meaning in literature, students will ultimately develop an understanding of their responsibilities to others.

ENG734724 - ORAL AND INTERPERSONAL COMMUNICATION/DUAL CREDIT *(Composition Course)*
0.75 Credit (3 College Credits) Grades 10-12 East, Preble, Southwest, West
Prerequisite: Two credits in English or completion of English Language Arts 10 in Grade 9

Oral and Interpersonal Communications focuses on the communication process, perception, and self-concept. Students will cultivate skills in language, listening, and nonverbal communication. In addition, students will expand their proficiency in interpersonal relationships, communication in groups, and public communication. Students will prepare and deliver oral presentations.

ENG037724 - SCIENCE FICTION, FANTASY, AND HORROR *(Literature Course)*
0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Grade 11 or completion of English Language Arts 10

In Science Fiction, Fantasy, and Horror, students explore how science fiction, fantasy, and horror reveal the universal human experience, reflect the culture and values of the time, and evolve over time. They will analyze a variety of literature, considering topics such as why we love to be frightened, why we want to escape, and why we desire to know the future. Through transfer and application of literary analysis, students will creatively write and revise several pieces of science fiction, fantasy, and horror.

ENG036624 - TECHNICAL AND PROFESSIONAL COMMUNICATION *(Composition Course)*
0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Grade 11 or completion of English Language Arts 10

This course provides an introduction to writing in career settings in order to communicate in professional environments and to explain complex processes for a variety of audiences. Examples of professional writing include resumés, cover letters, and emails. Technical writing includes instructional manuals, how-to guides, technical directions, journal articles, and proposals -- utilizing figures, diagrams, and tables in technical communications.

ENG038324 - TIMELESS LITERARY WORKS *(Literature Course)*
0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Grade 11 or completion of English Language Arts 10

In Timeless Literary Works, students read and deeply analyze a variety of works of classic literature that prepares them for the complicated texts they will face in college. They will read highly interpretive works and analyze them from multiple critical approaches. The course helps to build "cultural literacy" by exposing students to works that well rounded readers share as a common literary foundation.

ENG037524 - WRITING FOR PUBLICATION *(Composition Course)*
0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Grade 11 or completion of English Language Arts 10

In Writing for Publication, students learn and practice the creative, investigative, and technological skills required for writing for a public audience in a way that promotes integrity, credibility, and accuracy. Students will analyze and write in a variety of publication formats, such as news-writing, social media, and websites.

ENG036324 - WRITING IN CONTEMPORARY SOCIETY *(Composition Course)*
0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Grade 11 or completion of English Language Arts 10

In Writing in Contemporary Society, students analyze the impact of media on society. Media, such as print, radio, film, television, and internet, will be evaluated to uncover the techniques and strategies used to communicate through media. Students will produce a variety of multimedia products in diverse formats.

MULTILINGUAL LEARNER ENGLISH LANGUAGE ARTS COURSES

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
ELL031521 ELL031522 ELV031521 ELV031522	**EL English Language Arts 9**	•	•	•	•	•	2	•	•	•	
ELL031721 ELL031722 ELV031721 ELV031722	**EL English Language Arts 10**		•	•	•	•	2	•	•	•	
ELL031121 ELL031122 ELV031121 ELV031122	**English Language Arts for SLIFE Newcomers 1**	•	•	•	•	•	2			•	
ELL031221 ELL031222 ELV031221 ELV031222	**English Language Arts for SLIFE Newcomers 2**	•	•	•	•	•	2			•	
ELL031321 ELL031322 ELV031321 ELV031322	**English Language Arts for Newcomers 1**	•	•	•	•	•	2			•	
ELL031421 ELL031422 ELV031421 ELV031422	**English Language Arts for Newcomers 2**	•	•	•	•	•	2			•	

ELL031521 / ELL031522 - EL ENGLISH LANGUAGE ARTS 9
ELV031521 / ELV031522 - EL ENGLISH LANGUAGE ARTS 9
2.0 Credit (2-hour block) Grades 9-12 East, Preble, Southwest Prerequisite: Teacher Recommendation

This course is designed for Multilingual Learners (MLs) in their third year in US Schools who are at the developing stage of English language development. The student will use the language of language arts for various purposes while reading and discussing various genres, such as short narratives, Shakespearean drama, realistic fiction, informational text, and argumentative text. The student participates in literature discussion groups and responds widely and deeply to foster a more thorough understanding of the human experience. The student uses a variety of thinking strategies to analyze, understand, and research texts in order to create original works across genres (including biographies, narratives, and arguments) for personal enrichment, inquiry, and problem solving. The student collaborates with peers to practice how to communicate effectively in speech and writing, and uses digital media to present their work. In addition to the ELA 9 curriculum, students will continue to work on building and extending literacy skills. Students will receive 1.0 English Language Arts credit and 1.0 elective credit for successful completion of this course. Students must register for both courses.

ELL031721 / ELL031722 - EL ENGLISH LANGUAGE ARTS 10
ELV031721 / ELV031722 - EL ENGLISH LANGUAGE ARTS 10
2.0 Credit (2-hour block) Grades 10-12 East, Preble, Southwest Prerequisite: Teacher Recommendation

This course is designed for Multilingual Learners (MLs) in their fourth year in US Schools who are at the developing stage of English language development. The course guides students through literary and informational texts that explore how individuals interact with each other through exchanges involving culture, language, and relationships. Their course offers a wide variety of literature to explore the units' essential questions, and students apply what they learn about those genre elements in a literary analysis, informative writing, narrative story, and an oral presentation. In addition to the ELA 10 curriculum, students will continue to work on building and extending literacy skills. Students will receive 1.0 English Language Arts credit and 1.0 elective credit for successful completion of this course. Students must register for both courses.

ELL031121 / ELL031122 - ENGLISH LANGUAGE ARTS FOR SLIFE NEWCOMERS 1
ELV031121 / ELV031122 - ENGLISH LANGUAGE ARTS FOR SLIFE NEWCOMERS 1
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation, ELP 1

This course is designed for Multilingual learners who are in their first year in the United States and designated as a student with limited or interrupted formal education (SLIFE). Throughout the course, students will learn how to communicate in English for social and instructional purposes in culturally appropriate ways. Students will learn and use practical English vocabulary, common expressions, and questioning techniques related to content area topics so that they are able to build social and academic English as well as background knowledge across curricular areas. Students will receive 1.0 English Language Arts credit and 1.0 elective credit for successful completion of this course. Students must register for both courses.

ELL031221 / ELL031222 - ENGLISH LANGUAGE ARTS FOR SLIFE NEWCOMERS 2
ELV031221 / ELV031222 - ENGLISH LANGUAGE ARTS FOR SLIFE NEWCOMERS 2
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation, ELP 1-2

This course is designed for Multilingual learners who are in their second year in the United States and are designated as a student with limited or interrupted formal education (SLIFE). Throughout the course, students will continue to learn how to communicate in English for social and instructional purposes in culturally appropriate ways. Students will learn and use practical English vocabulary, common expressions, and questioning techniques related to content area topics so that they are able to build social and academic English as well as background knowledge across curricular areas, and are prepared to enter mainstream English Language Arts classes. Students will receive 1.0 English Language Arts credit and 1.0 elective credit for successful completion of this course. Students must register for both courses.

ELL031321 / ELL031322 - ENGLISH LANGUAGE ARTS FOR NEWCOMERS 1
ELV031321 / ELV031322 - ENGLISH LANGUAGE ARTS FOR NEWCOMERS 1
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation, ELP 1-3

This course is designed for Multilingual learners who are in their first year in the United States and are not designated as a student with limited or interrupted formal education (SLIFE). Throughout the course, students will learn how to communicate in English for social and instructional purposes in culturally appropriate ways. Students will learn and use English vocabulary, expressions, and questioning techniques related to content area topics so that they are able to build social and academic English, background knowledge across curricular areas, and are prepared to enter mainstream English Language Arts classes. Students will receive 1.0 English Language Arts credit and 1.0 elective credit for successful completion of this course. Students must register for both courses.

ELL031421 / ELL031422 - ENGLISH LANGUAGE ARTS FOR NEWCOMERS 2
ELV031421 / ELV031422 - ENGLISH LANGUAGE ARTS FOR NEWCOMERS 2
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation, ELP 1-3

This course is designed for Multilingual learners who are in their first year in the United States and are not designated as a student with limited or interrupted formal education (SLIFE). Throughout the course, students will learn how to communicate in English for social and instructional purposes in culturally appropriate ways. Students will learn and use English vocabulary, expressions, and questioning techniques related to content area topics so that they are able to build social and academic English and background knowledge across curricular areas, and are prepared to enter mainstream English Language Arts classes. Students will receive 1.0 English Language Arts credit and 1.0 elective credit for successful completion of this course. Students must register for both courses.

FAMILY AND CONSUMER SCIENCES

Students are encouraged, but not required, to join related student organizations, such as HOSA or Future Educators.

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
FCS713624	**Child and Adolescent Development/Dual Credit**	●	●	●	●		.75	●	●	●	●
OTH724324	**Concepts, Issues, and Field Experience in Education/Dual Credit**			●	●		.75	●	●	●	●
FCS724124	**Contemporary Healthcare Practices/Dual Credit**			●	●		.5	●	●	●	●
FCS022124	**Culinary Arts 1**	●	●	●	●		.5	●	●	●	●
FCS022224	**Culinary Arts 2**	●	●	●	●	●	.5	●	●	●	
FCS722321 FCS722322	**Culinary Arts 3/Dual Credit**			●	●	●	1	●	●		
FCS022024	**Culinary Arts Lab Assistant**				●	●	.5	●	●	●	●
OTH783524	**Culturally Responsive Teaching and Learning/Dual Credit**			●	●		.75	●	●	●	●
FCS013424	**Development Across the Lifespan**	●	●	●	●		.5	●	●	●	●
FCS724224	**Digital Literacy for Healthcare/Dual Credit**			●	●		.5	●	●	●	●
FCS098724	**Family and Consumer Science/Life Skills**	●	●	●	●	●	.5	●	●	●	●
FCS026224	**Food Science Process and Production**			●	●		.5	●	●	●	●
FCS723124	**Foundations of Early Childhood Education/Dual Credit**			●	●	●	.75	●	●	●	●
FCS023624 FCS623624	**Human Services Careers and Connections**	●	●	●	●		.5	●	●	●	●
FCS723224	**Introduction to Educational Practices/Dual Credit**	●	●	●	●		.75	●	●	●	●
FCS021224	**Introduction to Health Careers**	●	●	●	●		.5	●	●	●	●
OTH782524	**Medical Terminology/Dual Credit**			●	●		.75	●	●	●	
FCS025224	**Nursing Assistant (NWTC Partnership)**			●	●	●	.75	●	●	●	●
FCS026124	**Nutritional Science**			●	●		.5	●	●	●	●
FCS025321 FCS025322	**Principles of Biomedical Science**		●	●	●	●	1	●	●	●	●
FCS723324	**Technology in Education/Dual Credit (Summer School Only)**		●	●	●		.75	●	●	●	●
FCS013524	**Textiles, Fabric and Fashion Design**	●	●	●	●		.5	●			

NOTE: *Fees for materials are required in some of these courses.*

FCS713624 - CHILD AND ADOLESCENT DEVELOPMENT/DUAL CREDIT *(Education Pathway)*

0.75 Credit Grades 9-12 East, Preble Southwest, West Prerequisite: None

This course offers students the opportunity to study child and adolescent development from birth through age 18. Students will learn about the physical, motor, perceptual, cognitive, social/emotional growth and development. They will analyze social, parental, cultural, brain, and economic influences on development. Completion of this course, Introduction to Educational Practices, and Technology in Education with final grades of C or higher will earn an NWTC Introduction to Education Pathway Certificate.

OTH724324 - CONCEPTS, ISSUES, AND FIELD EXPERIENCE IN EDUCATION/DUAL CREDIT

(Education Pathway)

0.75 Credit (3 College Credits) Grades 11-12 East, Preble, Southwest, West Prerequisite: None

This course prepares students to become future educators by introducing the practical skills and dispositions needed to effectively work with children, teachers, staff, and administrators. Students will learn the necessary behaviors needed to develop successful relationships with students and experience classroom involvement and individual interactions. This course introduces new and informed ways of thinking about teaching and learning. The class requires 35 hours of service in district schools.

Notes: *This course is offered every other year, alternating with Culturally Responsive Teaching and Learning. This course will be offered in 2027-2028. Transportation to and from the field experience site(s) is the responsibility of the student and/or parent/guardian.*

FCS724124 - CONTEMPORARY HEALTHCARE PRACTICES/DUAL CREDIT *(Health Services Pathway)*

0.5 Credit (2 College Credits) Grades 11-12 East, Preble, Southwest, West Prerequisite: None

This course prepares students to work in the healthcare environment as part of a healthcare team. Students will investigate the healthcare community, patient privacy standards, and the professional behavior that is expected in today's medical community. They will examine various aspects of verbal and written communication skills, customer service principles, and problem solving techniques necessary to be a vital member of the healthcare workforce. Completion of this course, Digital Literacy for Healthcare, and Medical Terminology with final grades of C or higher will earn an NWTC Healthcare Customer Service Representative Pathway Certificate.

FCS022124 - CULINARY ARTS 1 *(Culinary Arts Pathway)*
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This is the first in a series of three courses providing the beginning content for careers in the food service industry. Units covered include successful customer relations, safety and sanitation, basic kitchen procedures and food preparation techniques, basic knife skills, and baking techniques. Lab experiences will be an integral part of this course.

FCS022224 - CULINARY ARTS 2 *(Culinary Arts Pathway)*
0.5 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: Culinary Arts 1*

This course builds upon the course work previously obtained in Culinary 1. Culinary areas of focus in this course will include, but are not limited to: review of safety and sanitary principles, intermediate knife skills, culinary exploration in the areas of salads, stocks, sauces, soups, and sandwiches, baking techniques, and customer service.

FCS722321 / FCS722322 - CULINARY ARTS 3/DUAL CREDIT *(Culinary Arts Pathway)*
1.0 Credit (3 College Credits) *Grades 11-12* *East, Preble* *Prerequisite: Culinary Arts 2*

Culinary 3 provides students with the opportunity to utilize previously acquired skills in Culinary 1 and 2 to design, create and implement menus and recipes required for success in the culinary industry. The culinary areas of focus for this course will include: Review of safety and sanitation principles, nutrition, culinary exploration within food groups, managing costs and operations, pastry and dessert baking, and facility management and oversight of restaurant operations. Students will have the opportunity to earn National Restaurant Association ProStart Level 2 certification.

Note: *Students enrolled in this course are required to complete the application for FVTC enrollment.*

FCS022024 - CULINARY ARTS LAB ASSISTANT *(Culinary Arts Pathway)*
0.5 Credit *Grade 12* *East, Preble, Southwest, West*
Prerequisite: Culinary Arts 2; Approval of Family and Consumer Science Department Chairperson, Supervising Teacher, and school counselor

This is a term-long opportunity for a student to assist in food lab supervision and project activities. The assistant will work with the instructor to monitor the food lab, formulate activities for lab demonstrations, demonstrate skill operations and provide additional student/instructor communications. Students may only take this course two times for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward graduation credit but will not be calculated in the GPA.*

OTH783524 - CULTURALLY RESPONSIVE TEACHING AND LEARNING/DUAL CREDIT
(Education Pathway)
0.75 Credit (3 College Credits) *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course prepares students to become future educators by introducing the knowledge, skills and disposition to teach with cultural competence. Students will learn about causes and effects of racism and other systems of oppression and advantage in U.S. society and its institutions. They will study Wisconsin First Nations' histories, cultures, sovereignty, and contemporary issues; examine multiple racial and cultural communities through the lens of education; and apply culturally responsive perspectives for future educational practice.

Note: *This course is offered every other year, alternating with Concepts, Issues, and Field Experience in Education. This course will be offered in 2028-29.*

FCS013424 - DEVELOPMENT ACROSS THE LIFESPAN
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course offers students the opportunity to study developing individuals from childhood through late adulthood. Students will examine physical, intellectual, social, and emotional growth and development in each stage of life. They will also learn about factors contributing to child development, adolescence, and aging. Students will gain an understanding of different individual and family needs, available community support resources, and connections to multiple career areas.

FCS724224 - DIGITAL LITERACY FOR HEALTHCARE/DUAL CREDIT *(Health Services Pathway)*
0.5 Credit (2 College Credits) *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

In this course, students will explore the use of the electronic health record, the role of social media in health care communication, the uses of wearable technologies that monitor activity and heart rate, the use of data to manage population health and the impact of new developments on the healthcare workforce. Completion of this course, Contemporary Healthcare Practices, and Medical Terminology with final grades of C or higher will earn an NWTC Healthcare Customer Service Representative Pathway Certificate.

FCS098724 - FAMILY AND CONSUMER SCIENCE/LIFE SKILLS
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

The focus of this class is on the development of practical and functional skills needed to live independently. Topics covered include time management, meal preparation, nutrition, safety, healthy exercise, sanitation, care and maintenance of clothing, and skills for shopping. Activities will be designed to meet the individual needs of the students.

FCS026224 - FOOD SCIENCE PROCESS AND PRODUCTION *(Culinary Arts Pathway)*
0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: None

This course is designed for students seeking an integrated science approach to food process, production, and ingredients. Topics included in this course will be: Sanitation and Scientific Methodology, Lab Skills and Procedures, Sensory Evaluation, Ingredients as Chemicals: Carbohydrates, Proteins, Lipids, Micro components, as well as Food Processing and Packaging. This is a hands-on course that is lab-based and requires students to successfully read and write about informational tests, participate in collaborative activities, complete lab reports, and demonstrate understanding in a variety of ways.

Note: *Science elective equivalency credit will be awarded upon successful completion of this course.*

FCS723124 - FOUNDATIONS OF EARLY CHILDHOOD EDUCATION/DUAL CREDIT *(Education Pathway)*
0.75 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Recommended: Child and Adolescent Development

Students enrolled in this course will explore the work of an early childhood educator in childcare settings, early childhood programs, and elementary schools. They will examine the history of childcare, childcare practices, licensing and safety requirements, and development of age-appropriate curriculum. Students will have the opportunity to earn Wisconsin Department of Public Instruction Assistant Childcare Teacher (ACCT) certification. Students may also pursue Infant Toddler (IT) certification by meeting additional requirements.

Notes: *Transportation to and from the observation site for the ACCT certification is the responsibility of the student and/or parent/guardian.*

FCS023624 - HUMAN SERVICES CAREERS AND CONNECTIONS
FCS623624 - HUMAN SERVICES CAREERS AND CONNECTIONS (MYP)
0.5 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: None

This course explores how people, relationships, and culture help to create meaningful connections while introducing them to careers in Human Services. Through hands-on activities, engaging discussions and community involvement, students will develop communication and interpersonal skills that provide a strong foundation for personal and professional relationships.

FCS723224 - INTRODUCTION TO EDUCATIONAL PRACTICES/DUAL CREDIT *(Education Pathway)*
0.75 Credit (3 College Credit) Grades 9-12 East, Preble, Southwest, West Prerequisite: None

This course is designed for students interested in a career in education (e.g. teachers, counselors, principals, social workers). Students will analyze PreK-12 education in the United States, determine roles and responsibilities of school personnel, and explore current trends and best practices. They will learn how students learn, the foundations of lesson planning, assessment strategies, classroom management, and techniques for supporting learners. Completion of this course, Child and Adolescent Development, and Technology in Education with final grades of C or higher will earn an NWTC Introduction to Education Pathway Certificate.

FCS021224 - INTRODUCTION TO HEALTH CAREERS *(Health Services Pathway)*
0.5 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: None

This introductory course will provide an opportunity to explore the many career options in the expanding health field. In addition to exploring your area of interest, the following topics will be covered: overall view of careers, health care trends, communication, medical ethics, medical terminology, educational pathways, and safety regulations. Guest speakers and hands-on activities will be included.

OTH782524 - MEDICAL TERMINOLOGY/DUAL CREDIT *(Health Services Pathway)*
0.75 Credit (3 College Credits) Grades 11-12 East, Preble, Southwest Prerequisite: None

This course provides the foundation of medical terminology used in a wide variety of health professions. The course focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students will practice formation, analysis and reconstruction of terms. Emphasis will be on spelling, definition and pronunciation. There will be an introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systematic and surgical terminology. It is strongly recommended that students take this course prior to or concurrently with Anatomy and Physiology, and as a foundation for nursing and other health programs at the technical college and university level.

FCS025224 - NURSING ASSISTANT (NWTC PARTNERSHIP) *(Health Services Pathway)*
0.75 Credit (3 College Credits) (2-period block) Grades 11-12 East, Preble, Southwest, West
Prerequisite: Application process. Must be 16 years old to participate in clinicals

The Nursing Assistant class prepares students with some of the skills needed for the first semester of a nursing program and for employment as nursing assistants. Students will be required to demonstrate the following skills under the supervision of a licensed nurse: communication, basic nursing assistant and personal care skills, attention to client's rights, and care of clients with dementia. Completion of this course with a grade of B or higher will earn an NWTC Nursing Assistant Technical Diploma. Students will have the opportunity to earn Wisconsin Department of Health Services Certified Nurse Aide (CNA) certification.

Students will meet on the high school campus, but be taught by an NWTC faculty member and nurse. Students will participate in 45 hours of clinical experience, which may be conducted outside of the normal school days. The cost of the state exam, uniforms, immunizations, and transportation to and from the clinical site is the responsibility of the student and/or parent/guardian.

Notes: *Students are required to fill out the Start College Now application and need to be eligible for the Start College Now program based on Board Rule 343.45.*
Nursing Assistant is a prerequisite for NWTC's and UWGB's Nursing programs.

FCS026124 - NUTRITIONAL SCIENCE *(Culinary Arts Pathway)*
0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course is designed for students seeking a scientific understanding of nutrition and wellness as it relates to the individual. Topics included in this course are Personal Wellness, Food Safety and Sanitation, Procedural Lab Methodology, Macronutrients, Micronutrients, Dietary Management, and Dietary Trends and impacts. This is a hands-on course that is lab-based and requires students to successfully read and write about informational text, participate in collaborative activities, complete lab reports, and demonstrate understanding in a variety of ways.

Note: *Science elective equivalency credit will be awarded upon successful completion of this course.*

FCS025321 / FCS025322 - PRINCIPLES OF BIOMEDICAL SCIENCE *(Health Science Pathway)*
1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Biology*

This course serves to provide foundational knowledge and skills in fields such as biology, anatomy and physiology, genetics, microbiology, and epidemiology while engaging students in how this content can be applied to real-world situations, cases, and problems. Through both individual and collaborative team activities, projects, and problems, students tackle real-world challenges faced by biomedical professionals. They work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work. Students develop skills in technical documentation to represent and communicate experimental findings and solutions to problems. In addition, students explore how connections to other disciplines such as computer science and engineering shape the future of medicine and practice collaboration techniques that will help them connect with professionals across any field.

FCS723324 - TECHNOLOGY IN EDUCATION *(Education Pathway) -* ***Summer School Only***
0.75 Credit (3 college credits) *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course offers students the opportunity to study how to teach and learn with information and technology, rather than learn about information and technology. The goal is for students to learn how to develop information and technology literacy, which is the ability of an individual, working independently or with others, to use tools, resources, processes, and systems responsibly to access and evaluate information in any medium, and to use that information to solve problems, communicate clearly, make informed decisions, and construct new knowledge, products, or systems. Completion of this course, Introduction to Educational Practices, and Child and Adolescent Development with final grades of C or higher will earn an NWTC Introduction to Education Pathway Certificate.

Note: *This course is currently only offered during Summer School.*

FCS013524 - TEXTILES, FABRIC, AND FASHION DESIGN
0.5 Credit *Grades 9-12* *East* *Prerequisite: None*

This course introduces you to textiles, fabrics, and the world of fashion design. Fabric art and design methods studied would include fabric painting, fabric sculpture, weaving, and quilting. A variety of hands-on projects will help students apply the elements and principles of design, as well as recognize the fabrics and styles used in the fashion industry. Fashion design and what is involved in being a fashion designer will be studied. The roles of merchandising, marketing, buying, and retail sales will be examined as well as fashion concepts utilized in fashion history, the need for clothing, garment styles and parts, terminology and the organization of the fashion industry. Some basic sewing skills will be taught and utilized during the course.

INTERNATIONAL BACCALAUREATE COURSES

Students in the International Baccalaureate Diploma Programme (IBDP) must choose a course from each of the six groups. Students may choose an additional course from Group 1-5 instead of a course from Group 6. IBDP students must choose 3 HL (higher level) courses and 3 SL (standard level) courses. Higher-level courses will have 240 hours of contact time and standard level courses will have 150 hours of contact time. IBDP candidates will also complete the Core, consisting of the IB Theory of Knowledge course (TOK), Creativity, Activity and Service (CAS) and Extended Essay (EE). Many IB courses are 2 year courses. Students in the IB Diploma Programme who select these options must take both courses listed.

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
GROUP 1: LANGUAGE AND LITERATURE *(See course descriptions in the English Language Arts section)*											
ENG039321 ENG039322	**IB English: Language and Literature HL (Year 1)**			•			1				•
ENG039421 ENG039422	**IB English: Language and Literature HL (Year 2)**				•	•	1				•
ENG039521 ENG039522	**IB Literature and Performance SL**			•	•	•	1				•
GROUP 2: LANGUAGE ACQUISITION *(See course descriptions in the World Language section)*											
WLA027121 WLA027122	**IB French SL (Year 1)**			•		•	1				•
WLA027221 WLA027222	**IB French SL (Year 2)**				•	•	1				•
WLA028821 WLA028822	**IB Spanish ab Initio (Year 1)**			•			1				•
WLA028921 WLA028922	**IB Spanish ab Initio (Year 2)**				•	•	1				•
WLA029121 WLA029122	**IB Spanish SL (Year 1)**			•		•	1				•
WLA029221 WLA029222	**IB Spanish SL (Year 2)**				•	•	1				•
WLA029321 WLA029422	**IB Spanish HL (Year 1)**			•		•	1				•
WLA029321 WLA029422	**IB Spanish HL (Year 2)**				•	•	1				•
GROUP 3: INDIVIDUALS AND SOCIETIES *(See course descriptions in the Social Studies and Business Education sections)*											
BUS030121 BUS030122	**IB Business Management HL (Year 1)**			•			1				•
BUS030221 BUS030222	**IB Business Management HL (Year 2)**				•	•	1				•
SOC063621 SOC063622	**IB Economics SL**			•	•		1				•
SOC063621 SOC063622	**IB History SL**			•	•		1				•
SOC063421 SOC063422	**IB History HL (Year 1)**			•			1				•
SOC063521 SCO063522	**IB History HL (Year 2)**				•	•	1				•
SOC766021 SOC766022	**IB Psychology SL/Dual Credit**			•	•		1				•
GROUP 4: SCIENCES *(See course descriptions in the Science section)*											
SCI054621 SCI054622	**IB Biology SL (Year 1)**			•		•	1				•
SCI054721 SCI054722	**IB Biology SL (Year 2)**				•	•	1				•
SCI054421 SCI054422	**IB Biology HL (Year 1)**			•		•	1				•
SCI054521 SCI054522	**IB Biology HL (Year 2)**				•	•	1				•
SCI054821 SCI054822	**IB Chemistry SL**			•	•	•	1				•
SCI061121 SCI061122	**IB Environmental Systems and Societies SL**			•	•	•	1				•
SCI055621 SCI055622	**IB Physics SL (Year 1)**			•		•	1				•
SCI055721 SCI055722	**IB Physics SL (Year 2)**				•	•	1				•
SCI055821 SCI055822	**IB Physics HL (Year 1)**			•		•	1				•
SCI055921 SCI055922	**IB Physics HL (Year 2)**				•	•	1				•

Course Number	Course Name	Grade 9	Grade 10	Grade 11	Grade 12	Prerequisite	Credit	E	P	S	W
GROUP 5: MATHEMATICS *(See course descriptions in the Mathematics section)*											
MTH048321 MTH048322	**IB Mathematics: Analysis and Approaches HL (Year 1)**			•		•	1				•
MTH048421 MTH048422	**IB Mathematics: Analysis and Approaches HL (Year 2)/Dual Credit**				•	•	1				•
MTH048121 MTH048122	**IB Mathematics: Analysis and Approaches SL (Year 1)**			•		•	1				•
MTH048221 MTH048222	**IB Mathematics: Analysis and Approaches SL (Year 2)**				•	•	1				•
MTH047321 MTH047322	**IB Mathematics: Applications and Interpretations SL (Year 1)**			•		•	1				•
MTH047421 MTH047422	**IB Mathematics: Applications and Interpretations SL (Year 2)**				•	•	1				•
GROUP 6: THE ARTS *(See course descriptions in the Art and Design, Music, and Theatre and Dance sections)*											
MUS050121	**IB Music SL (Semester 1)**			•	•	•	.5				•
MUS050122	**IB Music SL (Semester 2)**				•	•	.5				•
MUS050221 MUS050222	**IB Music HL (Year 1)**			•		•	.5				•
MUS050321 MUS050322	**IB Music HL (Year 2)**				•	•	.5				•
THD520321 THD520322	**IB Theatre SL**			•	•		1				•
THD520421 THD520422	**IB Theatre HL (Year 1)**			•			1				•
THD520521 THD520522	**IB Theatre HL (Year 2)**				•	•	1				•
ART026521	**IB Visual Art SL (Semester 1)**			•	•		.5				•
ART026522	**IB Visual Art SL (Semester 2) 2-period block**			•	•		1				•
ART026621 ART026622	**IB Visual Art HL (Year 1)**			•			1				•
ART026721 ART026722	**IB Visual Art HL (Year 2)**				•	•	1				•
CORE COURSES *(See course descriptions below) Completion of the Core is required for Diploma Programme students.*											
OTH031023	**IB Creativity, Activity, and Service**			•	•		0				•
OTH032023	**IB Extended Essay**			•	•		0				•
OTH030022	**IB Theory of Knowledge (Junior Year)**			•			.5				•
OTH030021	**IB Theory of Knowledge (Senior Year)**				•	•	.5				•

IB DIPLOMA PROGRAMME CORE COURSES

OTH031023 - IB CREATIVITY, ACTIVITY, AND SERVICE

0 Credit *Grades 11-12* *West* *Prerequisite: None*

Creativity, Activity, Service is an experience in which students strengthen and extend students' personal and interpersonal learning by engaging with one or more of the three strands. It can be a single event or an extended series of events. Students maintain and complete a portfolio collecting evidence that showcases experiences and reflections.

OTH032023 - IB EXTENDED ESSAY

0 Credit *Grades 11-12* *West* *Prerequisite: None*

The Extended Essay is a piece of independent research into a topic chosen by the student and presented as a formal piece of academic writing. The extended essay promotes high-level research and writing skills, intellectual discovery and creativity while engaging students in personal research. This leads to a major piece of formally presented, structured writing in which ideas and findings are communicated in a reasoned, coherent and appropriate manner.

OTH030022 - IB THEORY OF KNOWLEDGE (Junior Year)

0.5 Credit *Grade 11* *West* *Prerequisite: None*

OTH030021 - IB THEORY OF KNOWLEDGE (Senior Year)

0.5 Credit *Grade 12* *West* *Prerequisite: Theory of Knowledge (Junior Year)*

Theory of Knowledge provides an opportunity for students to reflect on the nature, scope and limitations of knowledge and the process of knowing. The main focus is not on students acquiring new knowledge but on helping students to reflect on, and put into perspective, what they already know. The course underpins and helps to unite the subjects that students encounter in the rest of their studies. It engages students in explicit reflection on how knowledge is arrived at in different disciplines and areas of knowledge, on what these areas have in common and the differences between them.

Note: *This is a full-year course, offered two semesters over two school years. Students take the course during the second semester of their junior year and the first semester of their senior year. Any student can enroll in the course; however, IB Diploma and Certificate students will be given priority.*

IB CAREER PROGRAMME CORE COURSE												
Course Number	Course Name	Grade				Course Length	Prerequisite	Credit	School			
		9	10	11	12				E	P	S	W
OTH030222	**IB Personal and Professional Skills (Junior Year)**			●		Year		.5				●
OTH030321	**IB Personal and Professional Skills (Senior Year)**				●	Year	●	.5				●

OTH030222 - IB PERSONAL AND PROFESSIONAL SKILLS (Junior Year)
1.0 Credit *Grade 11* *West* *Prerequisite: None*
OTH030321 - IB PERSONAL AND PROFESSIONAL SKILLS (Senior Year)
1.0 Credit *Grade 12* *West* *Prerequisite: IB Personal and Professional Skills (Junior Year)*

Personal and Professional Skills is a course in which students develop their identities and presence as professionals ready to enter a modern, internationally-minded workforce. In the first year of the course, students develop their professional selves through a lens focusing on intercultural understanding, written communication, thinking processes, and purposeful personal development. Students will begin developing and implementing their service learning project as part of the Career-related Programme as well.

Note: *This is a full-year course, offered two semesters over two school years. Students take the course during the second semester of their junior year and the first semester of their senior year. Any student can enroll in the course; however, IB Career Programme students will be given priority.*

IB MIDDLE YEARS PROGRAMME												
Course Number	Course Name	Grade				Course Length	Prerequisite	Credit	School			
		9	10	11	12				E	P	S	W
OTH030121 OTH030122	**MYP Personal Project**		●			Year		0				●

OTH030121 / OTH030122 - MYP PERSONAL PROJECT
0 Credit *Grade 10* *West* *Prerequisite: None*

As part of the IB Middle Years Programme (MYP), sophomore students at West High School complete the Personal Project. The project is an independent learning experience of approximately 25 hours where students consolidate their learning in the program. Students are encouraged to practice and strengthen their approaches to learning skills, connect classroom learning engagements with personal experience, and develop their own interests for lifelong learning.

MATHEMATICS

Graduation Requirement: 3.0 Credits

Note: It is highly recommended that students interested in STEM career pathways or postsecondary education take 4 mathematics credits to be better prepared for college coursework. Specific requirements vary by institution and program of study.

Course Code	Course Name	Grade				Prerequisite	Course Length	Credit	School			
		9	10	11	12				E	P	S	W
Recommended Course Sequence												
Grade 9 *Students who took Algebra 1 in 8th Grade should request Geometry.*												
MTH042721 MTH042722 MTH642721 MTH642722	**Algebra 1**	•					Year	1	•	•	•	•
Grade 10												
MTH043121 MTH043122 MTH643121 MTH643122	**Geometry**		•			•	Year	1	•	•	•	•
Grade 11												
MTH044321 MTH044322	**Algebra 2**			•		•	Year	1	•	•	•	•
MTH044821 MTH044822	**Algebra 2 for Pre-Calculus**			•		•	Year	1	•	•	•	•
MTH745521 MTH745522	**Algebra 2 with College Technical Math/Dual Credit**			•		•	Year	1	•	•	•	•
MTH048321 MTH048322	**IB Mathematics: Analysis and Approaches HL (Year 1)**			•		•	Year	1				•
MTH048121 MTH048122	**IB Mathematics: Analysis and Approaches SL (Year 1)**			•		•	Year	1				•
MTH047321 MTH047322	**IB Mathematics: Applications and Interpretations SL (Year 1)**			•		•	Year	1				•
Students planning to attend a 4-year college should plan to complete Algebra 1, Geometry, and Algebra 2 for Precalculus by the end of junior year.												
Mathematics Electives *Select 1 Mathematics Electives based on your goals , interests, and past enrollment.*												
MTH045121 MTH045122	**AP Calculus AB**			•	•	•	Year	1	•	•		•
MTH745121 MTH745122	**AP Calculus AB/Dual Credit**			•	•	•	Year	1			•	
MTH045221 MTH045222	**AP Calculus BC**			•	•	•	Year	1	•	•		•
MTH745221 MTH745222	**AP Calculus BC/Dual Credit**			•	•	•	Year	1			•	
OTH083921 OTH083922	**AP Computer Science A**	•	•	•	•	•	Year	1	•	•	•	•
MTH045921 MTH045922	**AP Precalculus**			•	•	•	Year	1	•	•	•	•
MTH043921 MTH043922	**AP Statistics**			•	•	•	Year	1	•	•	•	•
MTH746024	**College Technical Math 1A/Dual Credit**				•	•	Semester	.75	•	•	•	•
MTH748421 MTH748422	**IB Mathematics: Analysis and Approaches HL (Year 2)/Dual Credit**				•	•	Year	1				•
MTH048221 MTH048222	**IB Mathematics: Analysis and Approaches SL (Year 2)/Dual Credit**				•	•	Year	1				•
MTH047421 MTH047422	**IB Mathematics: Applications and Interpretations SL (Year 2)**				•	•	Year	1				•
MTH745424	**Mathematical Reasoning/Dual Credit**				•	•	Semester	.75	•	•	•	•
MTH044024	**Statistics**		•	•	•	•	Semester	.5	•	•	•	•
Additional Opportunities												
FSE041021 FSE041022	**Math/Life Skills**	•	•	•	•	•	Year	1	•	•	•	•
MTH091221 MTH091222 SSE091221 SSE091222	**Mathematics Extension**	•	•	•	•	•	Semester/ Year	.5/1	•	•	•	•

MTH045121 / MTH045122 - AP CALCULUS AB
1.0 Credit Grades 11-12 East, Preble, West Prerequisite: AP Precalculus
MTH745121 / MTH745122 - AP CALCULUS AB/DUAL CREDIT
1.0 Credit (4 College Credits) Grades 11-12 Southwest
Prerequisite: AP Precalculus with a B or higher AND Required Score on UW Math Placement Exam OR AP Precalculus Exam score of 3

AP Calculus AB focuses on students' understanding of calculus concepts (limits, differential and integral calculus associated with analytic geometry and transcendental functions) and provides experience with various approaches and applications. Students will use technology, and other problem-solving techniques to explore relationships among functions, to confirm written work, to build arguments, and to justify conclusions. AP Calculus AB is designed to be the equivalent of a first semester college calculus course devoted to topics in differential and integral calculus.

Note: *All students at Southwest register for the dual credit course. Students decide at the beginning of the course whether to enroll with UWGB and/or take the AP Exam.*

MTH045221 / MTH045222 - AP CALCULUS BC
1.0 Credit Grades 11-12 East, Preble, West Prerequisite: AP Calculus AB
MTH745221 / MTH745222 - AP CALCULUS BC/DUAL CREDIT
1.0 Credit (4 College Credits) Grades 11-12 Southwest
Prerequisite: AP Calculus AB/Dual Credit with C or higher OR AP Calculus AB Exam score of 3

AP Calculus BC is designed to be the equivalent to both first and second semester college calculus courses. Students will apply the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develop additional integration techniques and applications; and begin exploring the topics of sequences and series.

Note: *All students at Southwest register for the dual credit course. Students decide at the beginning of the course whether to enroll with UWGB and/or take the AP Exam.*

OTH083921 / OTH083922 - AP COMPUTER SCIENCE A
1.0 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: Algebra 1

AP Computer Science A introduces students to computer science through programming. Students will design solutions to problems, use data structures to organize large sets of data, develop and implement algorithms to process data and discover new information, analyze potential solutions, and explore the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. Students practice the computer science skills of designing, developing, and analyzing their own programs to address real-world problems or pursue a passion.

Note: *After successful completion of this course, a student may request math credit (toward the required math graduation credits) or elective credit.*

MTH045921 / MTH045922 - AP PRECALCULUS
1.0 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Algebra 2 for Pre-Calculus

Students will deepen their knowledge of a wide variety of functions to include analysis of key characteristics, transformations, and mathematical manipulation. Students will be introduced to topics needed for post-secondary study such as vectors, limits and conic sections.

MTH043921 / MTH043922 - AP STATISTICS
1.0 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: Algebra 1

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students will use technology, investigations, problem solving, and writing as they build conceptual understanding. AP Statistics course is an excellent option for any student who has successfully completed a course in algebra.

MTH042721 / MTH042722 - ALGEBRA 1
MTH642721 / MTH642722 - ALGEBRA 1 (MYP 4)
1.0 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: None

Through exploration and collaborative activities, students will develop a deep and extended understanding of linear, exponential and quadratic functions. They will apply, compare and contrast these functions, as well as examine methods for solving, graphing, and analyzing them. Successful completion of this course will fulfill the first entry level mathematics course requirements for most four-year colleges and two-year technical colleges.

MTH044321 / MTH044322 - ALGEBRA 2
1.0 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: Geometry

Through exploration and collaborative activities, students will deepen and expand their understanding of algebraic concepts. New topics introduced include complex numbers, and polynomial, logarithmic, and trigonometric functions. An increased emphasis will also be on problem solving and analysis of results. Successful completion of this course will fulfill the third entry-level mathematics course requirements for most four-year colleges and two-year technical colleges.

MTH044821 / MTH044822 - ALGEBRA 2 FOR PRE-CALCULUS
1.0 Credit Grades 10-12 East, Preble, Southwest, West Prerequisite: Geometry

Through exploration and collaborative activities, students will deepen and expand their understanding of algebraic concepts. New topics introduced include complex numbers, polynomial, logarithmic, and trigonometric functions. An increased emphasis will also be on problem solving and analysis of results. Additional math standards that extend students' understanding of these topics will be included to meet the prerequisites for AP Precalculus.

Note: *This course is recommended for students who intend to take Precalculus or Calculus as part of their postsecondary pathway.*

MTH745521 / MTH745522 - ALGEBRA 2 WITH COLLEGE TECHNICAL MATH/DUAL CREDIT
1.0 Credit (5 College Credits) Grades 11-12 East, Preble, Southwest, West Prerequisite: Geometry

Built on key Algebra 2 concepts, this class also incorporates college technical mathematics skills to help connect classroom learning to future careers. Students will strengthen their algebra skills by exploring topics such as complex numbers, polynomial and trigonometric functions, matrices, and vectors. The course emphasizes real-world problem solving and practical applications to help students see how math is used in technical fields.

MTH746024 - COLLEGE TECHNICAL MATH 1A/DUAL CREDIT
0.75 Credit (3 College Credits) Grades 11-12 East, Preble, Southwest, West Prerequisite: Algebra 2

This course is for students who are seeking further study in mathematics for technical college STEM-related programs that do not require Calculus. Subjects reviewed and expanded upon in this course include applications of: arithmetic, algebra, geometry, trigonometry, statistics, and measurement.

Note: *This course is not transferable to most four-year universities for college credit-bearing purposes.*

MTH043121 / MTH043122 - GEOMETRY
MTH643121 / MTH643122 - GEOMETRY (MYP 5)
1.0 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: Algebra 1

Through exploration and collaborative activities, students will formalize and expand their geometric experiences from the middle grades. Additional geometry topics such as congruency, similarity, right triangle trigonometry and coordinate geometry will be explored as well. Successful completion of this course will fulfill the second entry-level mathematics course requirements for most four-year colleges and two-year technical colleges.

MTH048321 / MTH048322 - IB MATHEMATICS: ANALYSIS AND APPROACHES HL (Year 1)
1.0 Credit Grade 11 West Prerequisite: Algebra 2
MTH048421 / MTH048422 - IB MATHEMATICS: ANALYSIS AND APPROACHES HL(Year 2)/DUAL CREDIT
1.0 Credit (4 College Credits) Grade 12 West Prerequisite: IB Mathematics: Analysis and Approaches HL (Year 1)
MTH048121 / MTH048122 - IB MATHEMATICS: ANALYSIS AND APPROACHES SL (Year 1)
1.0 Credit Grade 11 West Prerequisite: Algebra 2
MTH748221 / MTH748222 - IB MATHEMATICS: ANALYSIS AND APPROACHES SL (Year 2)/DUAL CREDIT
1.0 Credit (4 College Credits) Grade 12 West Prerequisite: IB Mathematics: Analysis and Approaches SL (Year 1)

Mathematics: Analysis and Approaches recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent and rigorous way, achieved by a carefully balanced approach. Students will apply their mathematical knowledge to solve abstract problems as well as those set in a variety of meaningful contexts. The course emphasizes the ability to construct, communicate and justify correct mathematical arguments. Students will develop insight into mathematical form and structure, and will be prepared to appreciate the links between concepts in different topic areas. They will also develop the skills needed to continue their mathematical growth in other learning environments.

Note: *All students in Year 2 register for the dual credit course. Students decide at the beginning of the course whether to enroll with UWGB and/or take the IB Exam.*

MTH047321 / MTH047322 - IB MATHEMATICS: APPLICATIONS AND INTERPRETATIONS SL (Year 1)
1.0 Credit Grade 11 West Prerequisite: Algebra 2 for Precalculus
MTH047421 / MTH047422 - IB MATHEMATICS: APPLICATIONS AND INTERPRETATIONS SL (Year 2)
1.0 Credit Grade 12 West Prerequisite: IB Mathematics: Applications and Interpretations SL (Year 1)

Mathematics: Applications and Interpretation recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. It emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. Students will solve real-world problems, construct and communicate this mathematically and interpret the conclusions or generalizations. They will develop strong technology skills, and will be prepared to appreciate the links between the theoretical and the practical concepts in mathematics. Students will develop the skills needed to continue their mathematical growth in other learning environments.

FSE041021 / FSE041022 - MATH/LIFE SKILLS

1.0 Credit *Grades 9-12* *East, Preble, West, Southwest* *Prerequisite: Teacher Recommendation*

The Life Skills course emphasizes development of math concepts in the areas of number operations and relationships, geometry, measurement, statistics and problem solving. The general education curriculum is extended to focus on similar grade band standards with functional skills, such as banking and budgeting embedded.

MTH745424 - MATHEMATICAL REASONING/DUAL CREDIT

0.75 Credit (3 College Credits) *Grade 12* *East, Preble, Southwest, West* *Prerequisite: None*

All students, regardless of their postsecondary pathway, need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning skills. Mathematical Reasoning uses an activity based approach to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts.

MTH091221 / MTH091222 - MATHEMATICS EXTENSION
SSE091221 / SSE091222 - MATHEMATICS EXTENSION

0.5 Credit per term *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation based on specified achievement data*

This course uses individualized instruction in order to accelerate progress for those who have been challenged by mathematics. Classroom activities are student-centered, emphasizing concrete experiences and active learning. The focus is on each student's needs in order to help them become proficient mathematicians.

Note: *Students will receive elective credit.*

MTH044024 - STATISTICS

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Algebra 1*

This course is designed for students who want to explore introductory statistical concepts. Topics include modeling data, probability, and statistical methods. Students will learn the necessary skills to make informed decisions based on data, laying a strong foundation for further studies in statistics related fields.

MULTILINGUAL LEARNER MATH COURSES											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
ELL341021 ELL341022 ELV341021 ELV341022	**EL Intensive Mathematics 1**	•	•	•	•	•	2			•	
ELL341121 ELL341122 ELV341121 ELV341122	**EL Intensive Mathematics 2**	•	•	•	•	•	2			•	
ELL341221 ELL341222 ELV341221 ELV341222	**EL Intensive Mathematics 3**	•	•	•	•	•	2			•	
ELL341321 ELL341322 ELV341321 ELV341322	**EL Intensive Mathematics 4**	•	•	•	•	•	2			•	

Note: *These courses are for new-to-the-country Multilingual Learners (MLs) with documented limited or interrupted formal education (SLIFE) who have limited math proficiency.*

ELL341021 / ELL341022 - EL INTENSIVE MATHEMATICS 1
ELV341021 / ELV341022 - EL INTENSIVE MATHEMATICS 1
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation

ELL341121 / ELL341122 - EL INTENSIVE MATHEMATICS 2
ELV341121 / ELV341122 - EL INTENSIVE MATHEMATICS 2
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation

ELL341221 / ELL341222 - EL INTENSIVE MATHEMATICS 3
ELV341221 / ELV341222 - EL INTENSIVE MATHEMATICS 3
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation

ELL341321 / ELL341322 - EL INTENSIVE MATHEMATICS 4
ELV341321 / ELV341322 - EL INTENSIVE MATHEMATICS 4
2.0 Credits (2-hour block) Grades 9-12 Southwest Prerequisite: Teacher Recommendation

These courses are designed to accelerate math acquisition and close the achievement gap while building students' academic language of mathematics in English. Teachers will differentiate instruction for students who are at various levels of math proficiency. Students will receive one (1.0) math credit and one (1.0) elective credit for successful completion of this course. Students must register for both courses.

Note: *Course 1 covers the state standards for Mathematics content from grades K-2. Course 2 covers the standards for grades 3-5. Course 3 covers standards for Grades 6 and the first half of grade 7. Course 4 covers the standards for the second half of Grade 7 and Grade 8.*

MUSIC

INSTRUMENT RENTALS

- The instrument fee will be waived if the student's other fees are waived.
- If the instructor requests a student switch instruments because of balance in the band, there will be no additional instrument fee charges.
- If a student plays a percussion instrument and has one at home, there will be no instrument fee charge.

BAND

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
MUS047121 MUS047122 MUS647121 MUS647122	**Concert Band**	•	•	•	•		1	•	•	•	•
MUS047221 MUS047222 MUS647221 MUS647222	**Symphonic Band**		•	•	•	•	1	•	•	•	•
MUS047321 MUS047322 MUS647321 MUS647322	**Wind Ensemble**		•	•	•	•	1	•	•	•	•

Note: *Regular individual practice is expected. Participation in marching band and pep band is required. Performances will be required outside of the school day. Instrumentation includes woodwind, brass, and percussion.*

MUS047121 / MUS047122 - CONCERT BAND
MUS647121 / MUS647122 - CONCERT BAND (MYP)

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Beginning band at elementary or middle school level, audition, or recommendation of previous director*

In Concert Band, students will continue to refine their musical literacy, ensemble skills, and technical skills in a large group setting. They will use independent musicianship skills to perform music that encompasses a variety of genres and technical demands.

MUS047221 / MUS047222 - SYMPHONIC BAND
MUS647221 / MUS647222 - SYMPHONIC BAND (MYP)

1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: One year of high school band*

In Symphonic Band, students will continue to refine their independent musicianship skills and use them to convey musical intent. They will perform music that encompasses an increasingly diverse variety of genres and technical demands.

MUS047321 / MUS047322 - WIND ENSEMBLE
MUS647321 / MUS647322 - WIND ENSEMBLE (MYP)

1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Teacher recommendation based upon student demonstration of technical ability and independent musicianship skills*

Wind Ensemble is an auditioned ensemble where students will apply their independent musicianship skills to convey an informed musical interpretation. They will perform advanced music that encompasses a diverse variety of genres and technical demands.

CHOIR

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
MUS060121 MUS060122	**Bass Choir**	•	•	•	•		1	•	•	•	•
MUS048321 MUS048322 MUS648321 MUS648322	**Concert Choir**		•	•	•	•	1	•	•	•	•
MUS060221 MUS060222	**Treble Choir**	•	•	•	•		1	•	•	•	•
MUS060321 MUS060322	**Varsity Bass Choir**		•	•	•	•	1	•	•	•	•
MUS060421 MUS060422	**Varsity Treble Choir**		•	•	•	•	1	•	•	•	•

Note: *Consistent individual practice is expected. Performances will be required outside of the school day.*

MUS060121 / MUS060122 - BASS CHOIR
MUS060221 / MUS060222 - TREBLE CHOIR

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

Bass Choir and Treble Choir are non-auditioned ensembles for all grade levels that give students the opportunity to continue developing their technical and expressive skills using increasingly complex repertoire in a choral ensemble. Students will continue to refine their abilities in vocal technique, music literacy, and performance evaluation. They will sing music of various styles in large group settings. In addition, these classes foster interpersonal skills and personal growth.

Note: *Bass Choir sings music on the bass clef (lower range). Treble Choir sings music on the treble clef (higher range). If you have questions about which choir to enroll in, please ask the choir teacher or your school counselor. These choirs may be offered as a voice-specific or as a mixed choir depending on enrollment.*

MUS048321 / MUS048322 - CONCERT CHOIR
MUS648321 / MUS648322 - CONCERT CHOIR (MYP)

1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Teacher recommendation based upon student demonstration of technical ability and independent musicianship skills.*

Concert Choir is an auditioned ensemble that gives students the opportunity to continue expanding their technical and expressive skills using advanced repertoire in a mixed choral ensemble. Students will refine their abilities in vocal technique, music literacy, and performance evaluation. They will sing music of various styles in a large group, a small group, and individual settings. In addition, this class fosters interpersonal skills and personal growth.

MUS060321 / MUS060322 - VARSITY BASS CHOIR
MUS060421 / MUS060422 - VARSITY TREBLE CHOIR

1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: One year of high school choir*

Varsity Treble Choir and Varsity Bass Choir give students the opportunity to continue expanding their technical and expressive skills using increasingly complex repertoire in a choral ensemble. Students will refine their abilities in vocal technique, music literacy, and performance evaluation. They will sing music of various styles in large and small group settings. In addition, these classes foster interpersonal skills and personal growth.

Note: *Varsity Bass Choir sings music on the bass clef (lower range). Varsity Treble Choir sings music on the treble clef (higher range). If you have questions about which choir to enroll in, please ask the choir teacher or your school counselor. These choirs may be offered as a voice-specific or as a mixed choir depending on enrollment.*

GENERAL MUSIC

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
MUS047921 MUS047922	**AP Music Theory**	●	●	●	●	●	1			●	
MUS747921 MUS747922	**AP Music Theory/Dual Credit**		●	●	●	●	1	●	●		
MUS046624	**Advanced Popular Music Studio**	●	●	●	●	●	.5	●	●	●	●
MUS025624	**Comparative Arts**	●	●	●	●		.5	●			
MUS050121	**IB Music SL (Semester 1)**			●	●	●	.5				●
MUS050122	**IB Music SL (Semester 2)**				●	●	.5				●
MUS050221 MUS050222	**IB Music HL (Year 1)**			●		●	1				●
MUS050321 MUS050322	**IB Music HL (Year 2)**				●	●	1				●
MUS040024	**Music Lab Assistant**				●	●	.5	●	●	●	●
MUS099824	**Music/Life Skills**	●	●	●	●	●	.5	●	●	●	●
MUS047824	**Music Theory**	●	●	●	●	●	.5	●	●	●	●
MUS046524	**Popular Music Studio**	●	●	●	●		.5	●	●	●	●

MUS047921 / MUS047922 - AP MUSIC THEORY
1.0 Credit *Grades 9-12* *Southwest* *Prerequisite: Music Theory or Teacher Recommendation*
MUS747921 / MUS747922 - AP MUSIC THEORY/DUAL CREDIT
1.0 Credit (4 College Credits) *Grades 10-12* *East, Preble* *Prerequisite: Music Theory or Teacher Recommendation*

AP Music Theory covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

Note: *All students at East and Preble register for the dual credit course. Students decide at the beginning of the course whether to enroll with UWGB and/or take the AP Exam.*

MUS046624 - ADVANCED POPULAR MUSIC STUDIO
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Popular Music Studio or Teacher recommendation based upon student demonstration of technical ability and musicianship skills.*

In Advanced Popular Music Studio, students will choose to focus on keyboard, guitar, or both instruments. They will continue to refine their ability to read music and apply their understanding of musical context to their playing technique. Students will complete a capstone project which will include a public performance at a venue of their choice.

MUS025624 - COMPARATIVE ARTS
0.5 Credit *Grades 9-12* *East* *Prerequisite: None*

This course introduces the inter-disciplinary arts through comparison and contrast and will utilize both historical and contemporary perspectives. Presentations of art, music, literature, dance and theatre will be explored to expose the student to the many possibilities that exist for them to discover. The final of the course will be a project representing the student's major incorporating at least two other artistic disciplines e.g. music, literature and art combined into one presentation.

Note: *This course is required for all students in the Fine Arts Institute at East.*

MUS050221 / MUS050222 - IB MUSIC HL (Year 1)
1.0 Credit *Grade 11* *West* *Prerequisite: Teacher Recommendation, Concurrent enrollment in a performance-based music course.*
MUS050321 / MUS050322 - IB MUSIC HL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB Music HL (Year 1), Concurrent enrollment in a performance-based music course.*
MUS050121 - IB MUSIC SL (Semester 1)
0.5 Credit *Grades 11-12* *West* *Prerequisite: Teacher Recommendation, Concurrent enrollment in a performance-based music course*
MUS050122 - IB MUSIC SL (Semester 2)
0.5 Credit *Grade 12* *West* *Prerequisite: IB Music SL (Semester 1); Concurrent enrollment in a performance-based music course*

Music prepares students for a world in which global musical cultures and industries are rapidly changing. The course is grounded in the knowledge, skills, and processes associated with the study of music and offers a strengthened approach to student creativity through practical, informed, and purposeful explorations of diverse musical forms, practices and contexts. The course also ensures a holistic approach to learning, with the roles of performer, creator and researcher afforded equal importance.

Note: *IB Music SL is offered during non-consecutive terms over two school years.*

MUS040024 - MUSIC LAB ASSISTANT
0.5 Credit *Grade 12* *East, Preble, Southwest, West* *Prerequisite: Approval of Music Department Chairperson, Supervising Teacher, and school counselor.*

This is an opportunity for students who are interested in careers in music, music education, arts administration, or other careers with administrative tasks. This is a commitment for a student to assist in classroom organization and activities. The assistant will work with the instructor to manage classroom music libraries, instruments, and equipment, assist with classroom activities and music events, and work with individual students and small groups. There will be a limited number of assistants each term. Students may only take this course two times for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward elective graduation credit but will not be calculated in the GPA.*

MUS099824 - MUSIC/LIFE SKILLS
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course gives students opportunities to have experiences with music using a modified curriculum. The Music curriculum content, as well as the assessment, is modified. Activities will be designed to meet the individual needs of the students.

MUS047824 - MUSIC THEORY

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: One year of high school band, choir, orchestra, or equivalent*

In Music Theory, students will learn about the building blocks of music. They will study music notation, keys and chords, and basic music analysis. Students will develop their inner ear through sight singing and melodic dictation. They will also learn the fundamentals of composition.

MUS046524 - POPULAR MUSIC STUDIO

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

Popular Music Studio provides students an introduction to or continued study of guitar, keyboard, and percussion instruments while learning about world and popular music. They will continue to develop their ability to read music and apply it as they learn the instruments. Students will learn how musical context influences their playing technique. This course is available to all students who enjoy music and want to expand their learning without concert performance or required practice outside of class time.

ORCHESTRA											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
MUS048621 MUS048622 MUS648621 MUS648622	**Orchestra**	•	•	•	•	•	1	•	•	•	•
MUS048721 MUS048722	**Chamber Orchestra**		•	•	•	•	1	•	•	•	•

Note: *Regular individual practice is required. Performances will be required outside of the school day.*

MUS048721 / MUS048722 - CHAMBER ORCHESTRA

1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Teacher recommendation based upon student demonstration of technical ability and independent musicianship skills*

Chamber Orchestra is an auditioned ensemble where students will apply their independent musicianship skills on an orchestral string instrument. They will perform advanced music that encompasses a variety of styles, historical backgrounds, and high technical demands. They will also demonstrate advanced leadership skills.

MUS048621 / MUS048622 - ORCHESTRA
MUS648621 / MUS648622 - ORCHESTRA (MYP)

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Middle School Orchestra or comparable experience*

In Orchestra, students will continue to refine their musical literacy, ensemble skills, and technical skills on an orchestral string instrument (violin, viola, cello, or string bass) in a large group setting. They will use independent musicianship skills to perform music that encompasses a variety of styles, historical backgrounds, and technical demands.

NON-DEPARTMENT SPECIFIC COURSES

PERSONAL FINANCIAL LITERACY											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
PFM083024	**Personal Financial Literacy**			●	●		.5	●	●	●	●

Graduation Requirement: 0.5 Credits

PFM083024 - PERSONAL FINANCIAL LITERACY

0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course introduces students to the various areas of financial management and how individual choices influence occupational goals, future earnings potential, and personal wealth. Through a practical, real-world approach, students will learn about finance topics such as income and taxes, budgeting, banking services, debt and credit management, housing and transportation, investing for retirement, insurance and risk management. This course provides students with a foundation for making informed, personal, and financial decisions leading to financial independence.

Note: Students may choose to complete the Personal Financial Literacy course requirement in Grades 11 or 12. If there is a recommendation by the parent, teacher, and/or school counselor, students in Grade 10 may be approved by the building principal.

AVID (Advancement Via Individual Determination)											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
OTH010021 OTH010022	**AVID 1**	●				●	1	●	●	●	●
OTH010121 OTH010122	**AVID 2**		●			●	1	●	●	●	●
OTH010221 OTH010222	**AVID 3**			●		●	1	●	●	●	●
OTH010321 OTH010322	**AVID 4**				●	●	1	●	●	●	●

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success. Students receive instruction that utilizes a rigorous college-preparatory curriculum, twice weekly facilitated study groups and motivational activities. Students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. AVID students engage in activities centered around exploring college and career opportunities and their own agency such as college visits at each grade level and guest speakers.

Note: *See the AVID teacher or your school counselor for additional information about the application progress or program requirements.*

OTH010021 / OTH010022 - AVID 1

1.0 Credit *Grade 9* *East, Preble, Southwest, West* *Prerequisite: Application process.*

In AVID 1, students work on academic and personal goals and communication, adjusting to the high school setting. There is an emphasis on analytical writing, focusing on personal goals, and thesis writing.

OTH010121 / OTH010122 - AVID 2

1.0 Credit *Grade 10* *East, Preble, Southwest, West* *Prerequisite: Application process.*

In AVID 2, students continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase their rigorous course load and school/community involvement, they will refine their time-management and study skills accordingly.

OTH010221 / OTH010222 - AVID 3

1.0 Credit *Grade 11* *East, Preble, Southwest, West* *Prerequisite: Application process. Concurrent enrollment in an AP, Dual Credit or IB course.*

AVID 3 is the first part of a junior/senior seminar that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students when they apply to colleges and confirm their postsecondary plans.

OTH010321 / OTH010322 - AVID 4
1.0 Credit *Grade 12* *East, Preble, Southwest, West* *Prerequisite: AVID 3; Concurrent enrollment in an AP, Dual Credit or IB course*

AVID 4 is the second part of a junior/senior seminar. Students will complete a final research essay project with skills gained in their junior year in AVID. There are additional college-bound activities, methodologies, and tasks that support students as they apply to colleges and confirm their postsecondary plans. All AVID seniors are also required to develop and present a portfolio representing their years of work in the AVID program.

FINE ARTS INSTITUTE

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
ART049024	**Fine Arts Institute (Visual Arts)**	•	•	•	•	•	.5	•			
ENG049024	**Fine Arts Institute (Literary Arts)**	•	•	•	•	•	.5	•			
MUS049024	**Fine Arts Institute (Music)**	•	•	•	•	•	.5	•			
THD049124	**Fine Arts Institute (Dance)**	•	•	•	•	•	.5	•			
THD049024	**Fine Arts Institute (Theatre Arts)**	•	•	•	•	•	.5	•			
OTH050024	**Fine Arts Institute Senior Capstone Project**				•	•	.5	•			
OTH050021 OTH050022	**Fine Arts Institute Senior Capstone Project**				•	•	1	•			

Note: *There is no fee to participate in the Fine Arts Institute.*

ART025624 - COMPARATIVE ARTS
MUS025624 - COMPARATIVE ARTS
0.5 Credit *Grades 9-12* *East* *Prerequisite: None*

This course introduces the interdisciplinary arts through comparison and contrast and will utilize both historical and contemporary perspectives. Presentations of art, music, literature, dance and theatre will be explored to expose the student to the many possibilities that exist for them to discover. The final of the course will be a project representing the student's major incorporating at least two other artistic disciplines e.g. music, literature and art combined into one presentation.

ART049024 - FINE ARTS INSTITUTE (VISUAL ARTS)
ENG049024 - FINE ARTS INSTITUTE (LITERARY ARTS)
MUS049024 - FINE ARTS INSTITUTE (MUSIC)
THD049124 - FINE ARTS INSTITUTE (DANCE)
THD049024 - FINE ARTS INSTITUTE (THEATRE ARTS)
0.5 Credit *Grades 9-12* *East* *Prerequisite: Participation in the Fine Arts Institute*

The Fine Arts Institute provides opportunities to students who want to develop their talent and love for the arts. Students will engage in their chosen discipline and be able to combine their field of study with core curriculum subjects. Students will participate in specialized activities in their focus area of music, visual arts, literary arts, or theatre arts. They will study under master teachers and artists, receive private instruction and participate in master classes, art shows, recitals, creative literary works, and theater productions.

OTH050024 - FINE ARTS INSTITUTE SENIOR CAPSTONE PROJECT
0.5 Credit *Grade 12* *East* *Prerequisite: Participation in the Fine Arts Institute*
OTH050021 / OTH050022 - FINE ARTS INSTITUTE SENIOR CAPSTONE PROJECT
1.0 Credit *Grade 12* *East* *Prerequisite: Participation in the Fine Arts Institute*

The Fine Arts Institute Senior Capstone Project is a culminating project designed for students to expand and refine learning in a specific area of interest within their Fine Arts concentration area. Students will work with a supervising teacher to design an independent learning plan. Students are expected to be self-directed learners as they carry out their project plan. Upon completion of their project, students will present their project at a public event. Approval of the supervising teacher and Fine Arts Institute Program Coordinator is required prior to registration.

Note: *With teacher recommendation and extenuating circumstances, juniors may be considered for this course.*

MULTILINGUAL LEARNERS											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
ELL030121 ELL030122	**Academic Language Development**	•				•	1	•	•	•	•

ELL030121 / ELL030122 - ACADEMIC LANGUAGE DEVELOPMENT

1.0 Credit *Grade 9* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

Academic Language Development, designed for long-term Multilingual Learner students, provides explicit instruction in English language development and academic language through reading, writing, oral language, and academic vocabulary. In this course students will use language for various purposes, tasks, and audiences in order to build proficiency in English.

SPECIAL EDUCATION											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
SEO068021 SEO068022	**Career Exploration**			•	•	•	1	•	•	•	•
SEO068221 SEO068222	**Investigating Behavior and Thinking**	•	•	•	•	•	1	•	•	•	•
FSE071021 FSE071022	**Life Skills - Vocational**	•	•	•	•	•	1	•	•	•	•
SEO094021 SEO094022	**Navigating Social Dynamics**	•	•	•	•	•	1	•	•	•	•

SEO068021 / SEO068022 - CAREER EXPLORATION

1.0 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course is designed to provide opportunities for students to learn more about themselves and align their abilities and interests with career choices. Students will identify individual career goals, interests, employer, and job expectations. Students will investigate the career focus areas and the career opportunities within each career pathway.

SEO068221 / SEO068222 - INVESTIGATING BEHAVIOR AND THINKING

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course is designed to teach students how to identify and implement the social skills needed to work effectively alone, in groups, and community settings. Opportunities will be provided for students to identify, analyze, and evaluate factors that influence personal beliefs and actions and how societal influences affect people's behaviors and decision-making.

FSE071021 / FSE071022 - LIFE SKILLS - VOCATIONAL

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course is designed for students with disabilities. It focuses on development of knowledge and skills in the vocational and employability areas. The course components include career exploration in the six career focus areas, career assessment and evaluation, job shadowing and specific job-site experiences, and development of employability skills. The goal of the course is to help students identify a career focus and pathway.

SEO094021 / SEO094022 - NAVIGATING SOCIAL DYNAMICS

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

The purpose of this course is to effect long-term change in the area of social thinking for students with disabilities. The course involves understanding of specific social cognitive challenges and learning how to use strategies to compensate for these challenges in the real world. Emphasis is on personal problem solving, conversation skills, initiating interactions, perspective taking, and abstract thinking. Students will earn one elective credit for this course. Students who demonstrate proficiency at the end of one semester may opt out and earn 0.5 credit. Teacher recommendation is needed to opt out of the course.

TEEN-AGE PARENT PROGRAM											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
OTH025521 OTH025522	**Career, Life, and Community Connections for Families**	●	●	●	●	●	1	●			
OTH024121 OTH024122	**Parenting Birth-to-Two**	●	●	●	●	●	1	●	●	●	●
OTH025121 OTH025122	**Parenting Issues and Strategies**	●	●	●	●	●	1	●	●	●	●
OTH024024	**Parenting Prenatal**	●	●	●	●	●	.5	●	●	●	●

The Teen-Age Parent Program is a program developed for teen parents who are either expecting or have given birth to a child. The series of courses included in the program prepare students for family and community life when children are involved. Instruction is focused around childbirth, family planning information, and early infant and toddler care. The mission of the Teen-Age Parent Program is to work with students, parents, and our community to assist teen-age parents in the development of positive attitudes, employability, and lifelong learning skills necessary to become productive citizens.

Note: *All Teen-Age Parent Program courses will receive a pass/no pass grade (not a letter grade) that will count toward graduation credit but will not be calculated in the GPA.*

OTH025521 / OTH025522 CAREER, LIFE, AND COMMUNITY CONNECTIONS FOR FAMILIES

1.0 Credit *Grades 9-12* *East* *Prerequisite: Approval of Instructor or School Counselor*

The focus of this course is for the teen parent to create and maintain a vision for themself and their family. Students will plan for their future by exploring career options, postsecondary educational opportunities, and ways to be involved in their communities. They will practice creating a budget, applying for postsecondary education, scholarships, and financial aid, and gaining independence in the real world. Students will be able to articulate how these plans will affect and benefit their family. In addition, they will develop skills that will allow them to solve problems, resolve conflict, and advocate for themselves and their families.

OTH024121 / OTH024122 - PARENTING BIRTH-TO-TWO

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Approval of Instructor or School Counselor*

The focus of this course is for the teen parent to understand the growth and development of children from birth to two years of age. Students will be able to immediately implement parenting strategies with their own child. In the course, students will learn about areas of development, brain development, early infant care, child nutrition, infant health and safety, childcare, legal topics, family planning, and parent self-care.

OTH025121 / OTH025122 - PARENTING ISSUES AND STRATEGIES

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Approval of Instructor or School Counselor*

The focus of this course is for the teen parent to understand the growth and development for toddlers and preschool age children. Students will be able to immediately implement parenting strategies on their own child. Students will learn, plan, and practice meaningful strategies that support development, learning, and positive discipline.

OTH024024 - PARENTING PRENATAL

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Approval of Instructor or School Counselor*

The focus of this class is on prenatal development and childbirth education for the teen parent. In the course, students will learn about prenatal development, labor and delivery, healthy diet and lifestyles, early infant care, sexual health, community resources, and the adoption process.

PHYSICAL EDUCATION AND HEALTH

Graduation Requirements: 1.5 Credits of Physical Education and 0.5 credits of Health

PHYSICAL EDUCATION											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
PED098524	**Adaptive Physical Education**	●	●	●	●	●	.5	●	●	●	●
PED098224 PED098124	**Adaptive Physical Education Assistant**		●	●	●	●	.5	●	●	●	●
PED050524	**Advanced Strength and Agility Training**		●	●	●	●	.5	●	●	●	●
PED049924	**Competitive Team Sports**	●	●	●	●		.5	●	●	●	●
PED049824	**Individual and Dual Sports**	●	●	●	●		.5	●	●	●	●
PED750224	**Lifeguarding/Dual Credit**	●	●	●	●	●	.5			●	
PED050324	**Officiating and Coaching**		●	●	●	●	.5	●	●	●	●
PED049124 PED649124	**Physical Education 9**	●					.5	●	●	●	●
PED049024	**Physical Education Lab Assistant**				●	●	.5	●	●	●	●
PED049724	**Personal Fitness**	●	●	●	●		.5	●	●	●	●
PED050024	**Recreational Sports**	●	●	●	●		.5	●	●	●	●
PED050124	**Strength and Agility Training**	●	●	●	●		.5	●	●	●	●
PED050424	**Yoga, Pilates, and Dance**	●	●	●	●		.5	●	●	●	●

NOTES:

- All students must earn 1.5 Credits of physical education to fulfill the graduation requirements. These 1.5 Credits **must** be taken in three (3) separate years, beginning in 9th grade, to support the goal of staying active each school year. Exceptions will be made if a student has failed a class and needs to make up the credit. If a student does not satisfactorily complete 1.5 Credits of physical education for any reason other than a medical excuse, the student will not have met the board of education requirements for graduation and, therefore, will not graduate.
- Students will decide during the registration process each year whether to take physical education on a pass/fail basis (not included in the grade point average) or for a letter grade (included in the grade point average). Students may change their grading choice for physical education (pass/fail basis or letter grade) until the school day before the course starts. The decision is final for the year the choice was selected. Seniors taking physical education as an elective must take it for a letter grade, which would be included in the grade point average.
- Students are encouraged to take different courses. However, any class (except Physical Education 9) may be taken twice to fulfill the physical education requirement if that is where the student's interest lies. Classes taken a second time either to meet graduation requirements or as an elective must be taken for a letter grade (included in the grade point average). This does not include classes being taken for a second time due to a failure. Students are limited to enrolling in a total of 1.0 physical education credit in one year, unless classes are being taken due to previous course failure and the need to reach credits required for graduation.

PED098524 - ADAPTIVE PHYSICAL EDUCATION

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course will provide students the opportunity to experience a variety of lifetime recreational activities. The focus of the class will be on developing individual skills and supports needed for participation in recreation as an adult. Team and individual activities, as well as necessary fundamental movements are included. Activities will be designed to meet the individual needs of students.

PED098224 - ADAPTIVE PHYSICAL EDUCATION ASSISTANT (PHYSICAL EDUCATION CREDIT)
PED098124 - ADAPTIVE PHYSICAL EDUCATION ASSISTANT (ELECTIVE CREDIT)

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Approval of Adaptive PE teacher, Physical Education Department Chair, and school counselor*

Adaptive Physical Education Assistants will work with teachers and paraprofessionals to support students in the Adaptive Physical Education course. Students will work directly with students, providing physical assistance, helping develop motor and object control skills, and assist with game play. In addition, they will help students build social skills. The Adaptive Physical Education Assistant is an opportunity for students who are interested in working with others or are looking at careers in health care, education, or human services. There will be a limited number of assistants each term. This course can be taken up to two times for high school credit. The first is a Physical Education credit and the second an elective credit.

PED050524 - ADVANCED STRENGTH AND AGILITY TRAINING

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Strength and Agility Training*

This course is designed for students who are committed to improving their strength, conditioning, agility, and overall athletic performance. Building on foundational fitness concepts, students will apply advanced training principles related to muscular strength, power, speed, agility, endurance, mobility, and injury prevention. Students will analyze performance data, utilize goal-setting strategies, and design individualized training programs based on their fitness goals, sport participation, or personal interests. Through structured workouts and performance assessments, students will refine proper exercise technique, monitor progress, and evaluate the effectiveness of their training plans. This course emphasizes progressive overload, training intensity, workout frequency, recovery strategies, and personal accountability to support lifelong fitness and peak performance.

Notes: *This course may be scheduled at the same time as Strength and Agility Training.*
Student athletes interested in taking this course during a particular semester should request UTL050521 (Semester 1) or UTL050522 (Semester 2).
Student athletes who are interested in taking this course twice during the same school year, should request PED050524 and UTL050529.

PED049924 - COMPETITIVE TEAM SPORTS

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course is designed for students who enjoy competitive athletics and want to enhance their performance in team sports. Students will develop sport-specific skills, game strategies, teamwork, communication, and leadership through activities such as basketball, volleyball, soccer, flag football, softball, and other competitive team games. Emphasis is placed on skill improvement, sportsmanship, physical fitness, and active participation in a competitive environment.

PED049824 - INDIVIDUAL AND DUAL SPORTS

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course provides students with an opportunity to learn the skills, rules, and strategies necessary to participate in a variety of individual and dual sports so that they can find an activity they enjoy and will continue to enjoy for a lifetime. In addition, students will continue to develop their physical fitness through participation in training activities. Activities may include: archery, badminton, golf, inline skating, pickleball, racquetball, swimming, tennis, and table tennis.

PED750224 - LIFEGUARDING/DUAL CREDIT

0.5 Credit *Grades 9-12* *Southwest* *Prerequisites: Must be 15 years old by the end of the course. Must pass a swimming skill assessment at the beginning of the course. Contact instructor for details.*

This course is for skilled swimmers who want to develop the knowledge and skills to help others safely enjoy the water. Students will learn how to prevent, recognize, and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries, and sudden illnesses until EMS personnel take over. Upon successful completion, students will be eligible for American Red Cross certification as a Lifeguard, as well as in First Aid and CPR.

PED050324 - OFFICIATING AND COACHING

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: 1.0 credits and 2.75 GPA in Physical Education courses or teacher recommendation based upon student demonstration of foundational knowledge of sport rules, skills, and fitness principles*

This course prepares students to become successful sports officials and coaches. Students will learn the fundamentals of officiating team sports, including rules, mechanics, procedures, and practical application, while also exploring effective coaching principles such as leadership, communication, planning, organization, and sport-specific instruction. Topics include coaching philosophy, officiating techniques, and fitness training principles. Students should have a working knowledge of several sports and basic fitness training principles. Participation in field experiences outside the regular school day is required. Students will have opportunities to study and officiate WIAA-sanctioned sports, and those interested in sports not included in the course offerings may work with the instructor to pursue learning experiences in a sport of their choice. Upon successful completion of the course, students may be eligible for WIAA certification as a sports official, Red Cross certification in First Aid and CPR, and will develop a professional coaching portfolio.

PED049124 - PHYSICAL EDUCATION 9
PED649124 - PHYSICAL EDUCATION 9 (MYP)

0.5 Credit *Grade 9* *East, Preble, Southwest, West* *Prerequisite: None*

This course builds upon the skills students acquired in middle school and introduces concepts related to individual physical activity choices. Students will gain a knowledge base and practical experience in physical activities with an emphasis on physical fitness, skill development, and sportsmanship development. This course gives students the opportunity to participate in a variety of different activities, including team sports, individual and dual sports, and personal training. These activities will provide a foundation for individuals to make informed decisions for lifelong fitness.

PED049024 - PHYSICAL EDUCATION LAB ASSISTANT

0.5 Credit *Grade 12* *East, Preble, Southwest, West* *Prerequisite: Approval of Physical Education Department Chairperson, Supervising Teacher, and school counselor.*

This is an opportunity for students who are interested in careers in physical education, personal or athletic training, personal fitness, coaching, or recreation management. This is a commitment for a student to assist in classroom organization and activities. The assistant will work with the instructor to manage classroom spaces and equipment, assist with classroom activities, and work with individual students and small groups.There will be a limited number of assistants each term. Students may only take this course two times for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward elective graduation credit but will not be calculated in the GPA.*

PED049724 - PERSONAL FITNESS

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

In this course, students will discover how to incorporate personal fitness in a way that can be sustained for the rest of their lives. Different types of aerobic and weightlifting activities will be covered, so students find the type of workout that fits their needs. Students will learn about principles and techniques of personal fitness, basic human anatomy and physiology related to fitness principles, and how to use fitness equipment. Students will learn how to develop a personalized fitness plan, monitor their progress, and reflect on and evaluate their growth.

PED050024 - RECREATIONAL SPORTS

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course is designed for students interested in a variety of recreational sports and lifetime activities. Students will participate in activities such as pickleball, disc golf, lawn games, outdoor pursuits, fitness challenges, and other recreational activities that promote lifelong physical activity. Emphasis is placed on skill development, participation, teamwork, personal fitness, sportsmanship, and understanding how recreational activities contribute to a healthy and active lifestyle. The course encourages students to discover enjoyable movement experiences that can be pursued beyond high school..

PED050124 - STRENGTH AND AGILITY TRAINING

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course allows students to learn how to incorporate strength, conditioning, and agility training into a healthy lifestyle. Students will learn training principles and techniques, basic human anatomy and physiology related to strength and conditioning, and methods for improving agility, speed, power, and overall athletic performance. Through analysis of personal training choices and performance data, students will develop an individualized strength and conditioning plan, monitor their progress, and reflect on and evaluate their growth. This course features highly structured workouts with purposeful attention to exercise selection, workout intensity, training frequency, and progressive skill development.

Notes: *Student athletes interested in taking this course during a particular semester should request UTL050121 (Semester 1) or UTL050122 (Semester 2). Student athletes who are interested in taking this course twice during the same school year, should request PED050124 and UTL050129.*

PED050424 - YOGA, PILATES, AND DANCE

0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course promotes lifelong wellness through movement, fitness, and self-expression. Students will participate in yoga, Pilates, and a variety of dance styles while developing flexibility, muscular strength and endurance, balance, coordination, body awareness, and mindfulness. Through guided practice, goal setting, and personal reflection, students will learn proper movement techniques, stress management strategies, and healthy lifestyle habits.

HEALTH

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
HEA049024	**Health and Wellness***	•	•				.5	•	•	•	•
HEA649124	**Trends in Health and Wellness**		•				.5				•

*Health and Wellness is required for graduation. Students who successfully completed this course in eighth grade will meet the high school graduation requirement and the grade will be counted in the grade point average.

HEA049024 - HEALTH AND WELLNESS

0.5 Credit *Grades 9-10* *East, Preble, Southwest, West* *Prerequisite: None*

The goal of Health and Wellness is to equip all learners with the knowledge, attitudes, and practical skills they need to make informed decisions, adopt healthy behaviors, and promote overall well-being. The course will emphasize developing the skills necessary to support their own health and the health of others by focusing on accessing valid and reliable information, products, and services; analyzing influences; interpersonal communication; decision making; goal setting; self-management; and advocacy.

Note: *Watch for a parent letter regarding the Human Growth and Development unit.*

HEA649124 - TRENDS IN HEALTH AND WELLNESS (MYP 5)

0.5 Credit *Grade 10* *West* *Prerequisite: None*

In this course, students will use knowledge and skills from previous courses to analyze and evaluate health topics experienced in their daily lives. They will research aspects of health and determine ways to promote healthy behaviors to their peers and community. Students will build off prior learning and study emerging trends in topics related to mental health, substance abuse prevention, human growth and development, and nutrition. Additionally, students will have the opportunity to earn cardiopulmonary resuscitation (CPR)/automated external defibrillator (AED) certification.

Note: *This course is required for all sophomores at West High School as part of the IB Middle Years Programme.*

SCIENCE

Graduation Requirement: 3.0 Credits

Note: College and program requirements for high school science vary. Students planning to pursue STEM pathways or postsecondary education are encouraged to earn four science credits to strengthen their college readiness. Many colleges recommend coursework in the foundational sciences, including biology, chemistry, and physics.

Course Code	Course Name	Grade				Prerequisite	Course Length	Credit	School			
		9	10	11	12				E	P	S	W
Recommended Course Sequence												
Grade 9 *In addition, students may opt to accelerate **and also** take Chemistry.*												
SCI052121 SCI052122 SCI652121 SCI652122	**Biology**	•					Year	1	•	•	•	•
Grade 10: Choose one course. Courses not taken in Grade 10 may be selected later as third-credit electives. *In addition, students may opt to accelerate and select more than one science course.*												
SCI051121 SCI051122 SCI651121 SCI651122	**Physical Science**		•				Year	1	•	•	•	•
SCI053221 SCI053222	**Chemistry**		•	•	•	•	Year	1	•	•	•	•
SCI055321 SCI055322	**Physics**		•	•	•	•	Year	1	•	•	•	•
SCI055521 SCI055522	**AP Physics 1**		•	•	•	•	Year	1	•	•	•	
Science Electives *Select 1 or more Science Electives based on your goals , interests, and past enrollment.*												
SCI055121 SCI055122	**AP Biology**			•	•	•	Year	1	•	•	•	
SCI056121 SCI056122	**AP Chemistry**			•	•	•	Year	1	•	•	•	•
SCI752921 SCI752922	**AP Environmental Science/Dual Credit**			•	•		Year	1	•	•	•	
SCI056421 SCI056422	**AP Physics 2**			•	•	•	Year	1	•	•	•	
SCI053321 SCI053322	**Conceptual Chemistry**			•	•		Year	1	•	•	•	
SCI056521 SCI056522	**Earth and Space Science**			•	•		Year	1	•	•	•	•
SCI782721 SCI782722	**General Anatomy and Physiology/Dual Credit**			•	•	•	Year	1	•	•	•	
SCI054621 SCI054622	**IB Biology SL (Year 1)**			•			Year	1				•
SCI054721 SCI054722	**IB Biology SL (Year 2)**				•	•	Year	1				•
SCI054421 SCI054422	**IB Biology HL (Year 1)**			•			Year	1				•
SCI054521 SCI054522	**IB Biology HL (Year 2)**				•	•	Year	1				•
SCI054821 SCI054822	**IB Chemistry SL**			•	•		Year	1				•
SCI061121 SCI061122	**IB Environmental Systems and Societies SL**			•	•		Year	1				•
SCI055621 SCI055622	**IB Physics SL (Year 1)**			•			Year	1				•
SCI055721 SCI055722	**IB Physics SL (Year 2)**				•	•	Year	1				•
SCI055821 SCI055822	**IB Physics HL (Year 1)**			•			Year	1				•
SCI055921 SCI055922	**IB Physics HL (Year 2)**				•	•	Year	1				•
SCI753421 SCI753422	**Principles of Chemistry I/Dual Credit**			•	•	•	Year	1.25			•	
SCI783021 SCI783022	**Renewable Energy and Sustainability/Dual Credit**			•	•		Year	1	•	•	•	•
SCI756724	**Tiny Earth: Lab Skills/Dual Credit**			•	•	•	Summer	.25				•
SCI756621	**Tiny Earth: Scientific Research and Design/Dual Credit**			•	•	•	Fall	.75				•

Science Equivalency Credit Options *Students may earn up to 1.0 science credit through these courses.*												
TED070721 TED070722	**Principles of Engineering PLTW** *(see Technology and Engineering Education)*		•	•	•		Year	1			•	•
AGR025124	**Biotechnology** *(see Agriculture, Food, and Natural Resources)*		•	•	•		Semester	.5	•	•	•	•
AGR012124	**Advanced Veterinary and Animal Science** *(see Agriculture, Food, and Natural Resources)*			•	•		Semester	.5	•	•	•	•
AGR724124	**Advanced Plant Science and Design** *(see Agriculture, Food, and Natural Resources)*			•	•		Semester	.75	•	•	•	•
FCS026224	**Food Science Process and Production** *(see Family and Consumer Sciences)*			•	•		Semester	.5	•	•	•	•
FCS026124	**Nutritional Science** *(see Family and Consumer Sciences)*			•	•		Semester	.5	•	•	•	•
Additional Opportunities												
SCI056321 SCI056322	**Science Lab Assistant**				•	•	Year	1	•	•	•	•
FSE051021 FSE051022	**Science/Life Skills**	•	•	•	•		Year	1	•	•	•	•

SCI055121 / SCI055122 - AP BIOLOGY

1.0 Credit *Grades 11-12* *East, Preble, Southwest* *Prerequisite: Biology, completion or concurrent enrollment in Chemistry*

AP Biology is an accelerated course that prepares students for college-level science study. This is a second-year biology laboratory science course which emphasizes critical thinking, reasoning, and evaluating data and evidence. In addition to advanced course content, students develop lab skills in many areas, including in microscope work, biotechnology applications, dissections, designing and carrying out investigations, and collecting and analyzing data.

SCI056121 / SCI056122 - AP CHEMISTRY

1.0 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: Chemistry, completion or concurrent enrollment in Algebra 2*

AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first college year. This course enables some students to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. Students will attain a depth of understanding of the fundamentals and a reasonable competence in dealing with chemical problems. The course will also contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic.

SCI752921 / SCI752922 - AP ENVIRONMENTAL SCIENCE/DUAL CREDIT

1.0 Credit (3 College Credits) *Grades 11-12* *East, Preble, Southwest*
Prerequisite: Biology and Physical Science or Chemistry

Environmental Science is a lab science course intended for both college-bound and non-college bound students. This course provides students with the scientific knowledge, critical thinking, and problem-solving skills required to understand the interrelationships of living and non-living things, to identify and analyze environmental problems, and to examine alternative solutions. Students will explore local, national, and global ecological issues.

SCI055521 / SCI055522 - AP PHYSICS 1

1.0 Credit *Grades 10-12* *East, Preble, Southwest* *Prerequisite: Geometry, completion or concurrent enrollment in Algebra 2*

AP Physics 1 emphasizes logical presentations of basic concepts to increase student understanding of natural laws. Advanced Placement Physics focuses on analytical problem solving and experimental investigations with an emphasis in mechanics of motion (kinematics, Newton's laws of motion, torque, linear momentum, rotational motion and angular momentum, gravitational and circular motion), energy, oscillations, mechanical waves, and an introduction into electrical circuits and statics.

SCI056421 / SCI056422 - AP PHYSICS 2

1.0 Credit *Grades 11-12* *East, Preble, Southwest* *Prerequisite: AP Physics 1, completion or concurrent enrollment in AP Precalculus*

AP Physics 2 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, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

SCI052121 / SCI052122 - BIOLOGY
SCI652121 / SCI652122 - BIOLOGY (MYP 5)
1.0 Credit *Grade 9* *East, Preble, Southwest, West* *Prerequisite: None*

This is a lab oriented science course. Emphasis is placed on the student's ability to perform and interpret investigations that aid in the discovery and understanding of concepts related to the living world. There are four life science disciplinary core ideas in high school: 1) From Molecules to Organisms: Structures and Processes, 2) Ecosystems: Interactions, Energy, and Dynamics, 3) Heredity: Inheritance and Variation of Traits, 4) Biological Evolution: Unity and Diversity.

SCI053221 / SCI053222 - CHEMISTRY
1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Completion or concurrent enrollment in Geometry*

Chemistry is the study of matter and chemical reactions. This course is designed for the college-bound student who is interested in a science-related career. Students who take Chemistry should have a strong mathematical background and excellent problem solving skills. Lab investigations will require students to apply chemical concepts by collecting and analyzing data. Students will demonstrate proper laboratory techniques.

SCI053321 / SCI053322 - CONCEPTUAL CHEMISTRY
1.0 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

Conceptual Chemistry is a lab science course designed for students who are college- or technical college-bound, and who may or may not plan to enter a science-related field. The content of this course mirrors that of Chemistry but focuses on learning specific chemical concepts in a way that emphasizes relevant, real-life applications. Course and lab investigations will require students to apply chemical concepts, critical thinking, and problem-solving skills.

SCI056521 / SCI056522 - EARTH AND SPACE SCIENCE
1.0 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

In this lab science, project-based course, you will explore three central questions related to the Earth and Space Sciences. First, what is the universe, and what is Earth's place in it? Students will examine the processes governing the formation and working of the solar system and universe. Next, how and why is Earth constantly changing? We will explore earth processes such as plate tectonics, the role of water, and carbon cycling. Finally, how do Earth's natural systems and human activities affect each other? Students will explore the complex interactions and interdependencies between humans and the Earth's systems.

SCI782721 / SCI782722 - GENERAL ANATOMY AND PHYSIOLOGY/DUAL CREDIT
1.0 Credit (4 College Credits) *Grades 11-12* *East, Preble, Southwest*
Prerequisite: Minimum grades of "C" in Biology and Chemistry (Chemistry cannot be taken concurrently nor can another science course be substituted); Completion of Geometry.

This course studies the human body as an integrated structural and functional unit including all body systems, cell structure and physiology, dissection of fresh and preserved material and a human cadaver examination. Coursework outside of scheduled class time is required (i.e., lab work at NWTC).

Note: *Students pursuing an NWTC Nursing Program will need to earn a grade of "B" to progress in the program. Students who earn a "C" or lower can repeat the course.*

SCI054421 / SCI054422 - IB BIOLOGY HL (Year 1)
1.0 Credit *Grade 11* *West* *Prerequisite: Two years of Science*
SCI054521 / SCI054522 - IB BIOLOGY HL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB Biology HL (Year 1)*
SCI054621 / SCI054622 - IB BIOLOGY SL (Year 1)
1.0 Credit *Grades 11* *West* *Prerequisite: Two years of Science*
SCI054721 / SCI054722 - IB BIOLOGY SL (Year 2)
1.0 Credit *Grades 12* *West* *Prerequisite: IB Biology SL (Year 1)*

In Biology, students will study how biologists attempt to understand the living world at all levels from the micro to the macro using many different approaches and techniques. They will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers, and evaluate and communicate their findings.

SCI054821/ SCI054822 - IB CHEMISTRY SL
1.0 Credit *Grades 11-12* *West* *Prerequisite: Two years of Science*

Chemistry combines academic study with the acquisition of practical and investigational skills while students learn about the chemical principles that underpin both the physical environment and all biological systems. Students will study theory and practical work as both complement one another naturally, both in school and in the wider scientific community. They will develop a wide range of practical skills, increase skills in using mathematics, and develop interpersonal and information technology skills. Students will become aware of how scientists work and communicate with each other as they use a practical approach through experimental work. They will have opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

SCI055821 / SCI055822 - IB PHYSICS HL (Year 1)
1.0 Credit *Grade 11* *West* *Prerequisite: Algebra 1*
SCI055921 / SCI055922 - IB PHYSICS HL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB Physics HL (Year 1)*
SCI055621 / SCI055622 - IB PHYSICS SL (Year 1)
1.0 Credit *Grade 11* *West* *Prerequisite: Algebra 1*
SCI055721 / SCI055722 - IB PHYSICS SL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB Physics SL (Year 1)*

In Physics, students will study how physics seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. They will learn about how observations remain essential to the subject and how models are developed to try to understand observations, and these themselves can become theories that attempt to explain the observations. Students will become aware of how scientists work and communicate with each other. They will design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings.

SCI061121 / SCI061122 - IB ENVIRONMENTAL SYSTEMS AND SOCIETIES SL
1.0 Credit *Grades 11-12* *West* *Prerequisite: Biology and Physical Science*

Environmental Systems and Societies is grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political and social interactions of societies with the environment. As a result, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world. Students will use a systems approach to environmental understanding and to think holistically about environmental issues. They will perform research and investigations, participate in philosophical discussion and problem-solving, and develop solutions at the personal, community and global levels.

SCI051121 / SCI051122 - PHYSICAL SCIENCE
SCI651121 / SCI651122 - PHYSICAL SCIENCE (MYP 4)
1.0 Credit *Grade 10* *East, Preble, Southwest, West* *Prerequisite: None*

This is a lab course that introduces students to the most fundamental concepts from physics and chemistry. Students will be introduced to developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. Students are also expected to demonstrate understanding of several engineering practices, including design and evaluation.

SCI055321 / SCI055322 - PHYSICS
1.0 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: Algebra 1*

Roller Coasters, car safety, making a free throw, and why Pluto isn't a planet anymore - all of these, and more, are examples of how Physics connects to daily life. Students will explore the concepts of matter and energy that underlie all modern technology and everyday life. In this laboratory science, students will perform investigations and activities through which they will construct a framework of ideas and relationships about the physical world. Topics of study include motion and forces, energy, momentum, gravity, thermal energy, waves, and sound.

SCI753421 / SCI753422 - PRINCIPLES OF CHEMISTRY I/DUAL CREDIT
1.25 Credits (5 College Credits) *Grades 11-12* *Southwest*
Prerequisites: Completion of Chemistry and completion or concurrent enrollment in Algebra 2.

Principles of Chemistry I exposes students to a foundation in chemistry through the study of dimensional analysis, periodicity, chemical reactions, formula writing, and the mole concept. Students will be engaged in guided inquiry-based laboratory activities throughout the laboratory course. Students will demonstrate a deep understanding of the mathematics of chemical reactions through the study of stoichiometry. Students will prepare solutions, study chemical bonding, molecular geometry, and ions on a particulate level. They will also study the flow of energy through chemical reactions and the work that energy can perform.

SCI783021 / SCI783022 - RENEWABLE ENERGY AND SUSTAINABILITY/DUAL CREDIT
1.0 Credit (4 College Credits) *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

Renewable Energy and Sustainability acquaints students with the methods used to meet consumer energy demand in Wisconsin and the United States, with special emphasis on renewable energy. Students will examine the advantages, drawbacks, and applicability of each generating method. In addition, students will survey employment opportunities in the field of renewable energy.

SCI056321 / SCI056322 - SCIENCE LAB ASSISTANT
1.0 Credit *Grade 12* *East, Preble, Southwest, West* *Prerequisite: Approval of Science Department Chairperson, Supervising Teacher, and school counselor.*

This is a one-year opportunity for a student to assist in lab supervision and project activities. The assistant will work with the instructor to monitor the lab, formulate activities for lab demonstrations, demonstrate skill operations and serve as an alternate channel of student/instructor communications. Students may only take this course one time for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward elective graduation credit but will not be calculated in the GPA.*

FSE051021 / FSE051022 - SCIENCE/LIFE SKILLS

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

The Life Skills option emphasizes development of competence in the areas of physical science and biology. The general education curriculum is extended to focus on similar grade bank standards with functional skills embedded.

TINY EARTH

SCI756724 - TINY EARTH: LAB SKILLS/DUAL CREDIT

0.25 Credits (1 College Credit) *Grades 11-12* *West* *Prerequisite: Completion of Biology or concurrent enrollment during the fall term*

SCI756621 - TINY EARTH: SCIENTIFIC RESEARCH AND DESIGN/DUAL CREDIT

0.75 Credits (3 College Credits) *Grades 11-12* *West* *Prerequisite: Tiny Earth: Lab Skills, Completion or concurrent enrollment in Biology*

This course prepares students with the scientific and professional skills to conduct authentic research on the UW-Green Bay campus to identify and characterize the activity of antibiotics produced by soil bacteria as part of an international effort to address the global health crisis of antibiotic resistance. As scientists, students will generate their own hypotheses to determine soil environments most likely to contain antibiotic-producing bacteria of interest. They will use molecular, cellular, and biochemical techniques to identify soil isolates, as well as characterize the nature of the antimicrobial activity of the compounds produced by their soil bacteria. Students will join other students from universities across the state to present their research at a national symposium.

Notes: *Students are required to fill out the Early College Credit Program application and need to be eligible for the Early College Credit Program based on Board Rule 343.46.*
Students must sign up for both courses. The Lab Skills course will meet the summer before the school year at UW-Green Bay.

SOCIAL STUDIES

Graduation Requirement: 3.0 Credits

Course Code	Course Name	Grade 9	Grade 10	Grade 11	Grade 12	Prerequisite	Course Length	Credit	School E	School P	School S	School W
Recommended Course Sequence												
Grade 9: Choose one course. Courses not taken in Grade 9 may be selected later as electives.												
SOC068121 SOC068122 SOC668121 SOC668122	**Human Geography**	•					Year	1	•	•	•	•
SOC066421 SOC066422	**AP Human Geography**	•	•	•	•		Year	1	•	•	•	•
Grade 10: Choose one course. Courses not taken in Grade 10 may be selected later as electives.												
SOC062321 SOC062322 SOC662321 SOC662322	**United States History: Reconstruction to the Present**		•				Year	1	•	•	•	•
SOC066121 SOC066122	**AP United States History**		•	•	•		Year	1	•	•	•	•
SOC066521 SOC066522	**AP World History: Modern**		•	•	•		Year	1	•	•	•	•
Grade 11: Choose the year long course or two-semester long courses. Courses not taken in Grade 11 may be selected later as electives. Students in the IB Diploma Programme may take IB History.												
SOC063721 SOC063722	**United States Government and Economic Studies**			•			Year	1	•	•	•	•
SOC065624	**AP Macroeconomics**			•	•		Semester	.5	•	•	•	•
SOC766524	**AP United States Government and Politics/Dual Credit**			•	•	•	Semester	.75	•	•	•	•
SOC063421 SOC063422	**IB History HL (Year 1)**			•		•	Year	1				•
SOC063621 SOC063622	**IB History SL**			•	•		Year	1				•
Social Studies Electives *Select Electives based on your goals , interests, and past enrollment.*												
SOC765821 SOC765822	**AP Psychology/Dual Credit**			•	•		Year	1	•	•	•	
SOC067824	**Contemporary World Issues**			•	•		Semester	.5	•	•	•	•
SOC062521 SOC062522	**IB Economics SL**			•	•		Year	1			•	•
SOC063521 SOC063522	**IB History HL (Year 2)**				•	•	Year	1				•
SOC766021 SOC766022	**IB Psychology SL/Dual Credit**			•	•		Year	1				•
SOC064924	**Law and Justice**			•	•		Semester	.5	•	•	•	•
SOC767724	**Introduction to World Culture and Religions/Dual Credit**			•	•	•	Semester	.75	•	•	•	•
SOC067324	**Modern United States History**			•	•		Semester	.5	•	•	•	•
SOC067424	**Modern World History**			•	•		Semester	.5	•	•	•	•
SOC765124	**Sociology/Dual Credit**			•	•	•	Semester	.75	•	•	•	•
Additional Opportunities												
FSE061021 FSE061022	**Social Studies/Life Skills**	•	•	•	•		Year	1	•	•	•	•

SOC066421 / SOC066422 - AP HUMAN GEOGRAPHY

1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction.

SOC065624 - AP MACROECONOMICS

0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

SOC765821 / SOC765822 - AP PSYCHOLOGY/DUAL CREDIT

1.0 Credit Grades 11-12 East, Preble, Southwest Prerequisite: Two credits in Social Studies, Recommended: Biology or concurrent

AP Psychology 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, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

SOC766524 - AP UNITED STATES GOVERNMENT AND POLITICS/DUAL CREDIT

0.75 Credit (3 College Credits) Grades 11-12 East, Preble, Southwest, West
Prerequisite: Two credits in Social Studies

AP U.S. Government and Politics offers students the opportunity to see how individuals and their ideas can shape the world in which they live; it invites them to explore central questions of liberty and justice in practice. The aims of this course framework are timeless, and its roots are deeply embedded in the American experiment and the intellectual traditions that animated its founding. The course provides a space in which students immerse themselves in the ideas and knowledge essential to the American democracy.

SOC066121 / SOC066122 - AP UNITED STATES HISTORY

1.0 Credit Grades 10-12 East, Preble, Southwest, West Prerequisite: None

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. Students explore eight themes throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

SOC066521 / SOC066522 - AP WORLD HISTORY: MODERN

1.0 Credit Grades 10-12 East, Preble, Southwest, West Prerequisite: None

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. Students explore six themes throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

SOC067824 - CONTEMPORARY WORLD ISSUES

0.5 Credit Grades 11-12 East, Preble, Southwest, West Prerequisite: None

Contemporary World Issues is a discussion-centered course focused on exploring a range of engaging topics relevant to high school students. Through an inquiry-based approach, students will pursue questions shaped by their own interests, allowing their research to guide the direction of learning.

SOC068121 / SOC068122 - HUMAN GEOGRAPHY
SOC668121 / SOC668122 - HUMAN GEOGRAPHY (MYP 4)

1.0 Credit Grade 9 East, Preble, Southwest, West Prerequisite: None

Human Geography is a field of study that focuses on understanding the complex interactions between people and their environment through an inquiry-based approach. It encompasses topics such as population, migration, culture, politics, and economics to explore how human activities and behaviors are influenced by and impact the physical world around them. In addition to a global approach, students will also take a deeper look into population, migration, culture, politics, and economics of our state and local region.

SOC062521 / SOC062522 - IB ECONOMICS SL

1.0 Credit Grades 11-12 West Prerequisite: None

Economics is an exciting, dynamic subject that allows students to develop an understanding of the complexities and interdependence of economic activities in a rapidly changing world. The course uses economic theories, models to examine the ways in which these choices are made: at the level of producers and consumers in individual markets (microeconomics); at the level of the national economy (macroeconomics); and the level of our growing, interdependent international economy. Students of this course will develop the knowledge, skills, values and attitudes that will encourage them to participate responsibly in the global economy.

SOC063421 / SOC063422 - IB HISTORY HL (Year 1)
1.0 Credit *Grade 11* *West* *Prerequisite: None*
SOC063521 / SOC063522 - IB HISTORY HL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB History HL (Year 1)*
SOC063621 / SOC063622 - IB HISTORY SL
1.0 Credit *Grades 11-12* *West* *Prerequisite: None*

History is based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge. It puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. In this way, the course involves a challenging and demanding critical exploration of the past.

SOC766021 / SOC766022 - IB PSYCHOLOGY SL/DUAL CREDIT
1.0 Credit *Grades 11-12* *West* *Prerequisite: Two credits in Social Studies, Recommended: Biology or concurrent*

Psychology introduces students to three different approaches to understanding behavior: the biological, cognitive and sociocultural approaches. Students study and critically evaluate the knowledge, concepts, theories and research that have developed the understanding in these fields. The interaction of these approaches to studying psychology provides a holistic and integrated approach to understanding mental processes and behavior as a complex, dynamic phenomenon, allowing students to appreciate the diversity as well as the commonality between their own behavior and that of others. Students will learn various approaches to research and how they are used to critically reflect on the evidence as well as assist in the design, implementation, analysis and evaluation of the students' own investigations.

SOC767724 - INTRODUCTION TO WORLD CULTURE AND RELIGIONS/DUAL CREDIT
0.75 Credit (3 College Credits) *Grades 11-12* *East, Preble, Southwest, West*
Prerequisite: Two credits in Social Studies

Introduction to World Cultures and Religions is an anthropological study of the variety, development, functions, and influence of world belief systems on culture and group relations. The development of polytheistic, monotheistic, and ethical systems will be explored. Areas of study include: oral traditions, animism, East Asian ethical systems, Hinduism, Judaism, Islam, and Christianity. Current issues related to world religions and cultures will be investigated. Students will learn to practice cultural relativism as they gain insight into a variety of cultural belief systems and values.

Note: *All students register for the dual credit course.*

SOC064924 - LAW AND JUSTICE
0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

Law and Justice examines the basic principles of the legal and justice systems. Students will explore the framework of the criminal justice system, investigating crimes against people and property. Moreover, students will examine the criminal justice process, starting with the investigation of a crime through the trial process concluding with punishment. Civil and tort laws will be analyzed through the lens of different types of lawsuits. Students will reflect on personal family dynamics, as well as the legal requirements of marriage and parenting. Throughout the examination of each topic students will explore individual rights and freedoms.

SOC067324 - MODERN UNITED STATES HISTORY
0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

Embark on a dynamic exploration of the Modern United States through the lens of scientific, technological, and cultural advancements in Modern US History. In this captivating journey through the 20th and 21st centuries, students will uncover the incredible transformations that have shaped the nation's identity and global influence. This course delves into the pivotal moments when scientific discoveries, technological innovations, and cultural movements converged to reshape American society. From the space race and the digital revolution to the Civil Rights Movement and the emergence of pop culture phenomena, students will gain a comprehensive understanding of how these interconnected forces have defined the American experience.

SOC067424 - MODERN WORLD HISTORY
0.5 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: None*

Delve into the riveting world of leadership during moments of crisis and conflict with Modern World History. This course offers an in-depth exploration of remarkable leaders who have navigated tumultuous times, leaving an indelible mark on history. Throughout the course, students will embark on a captivating journey through the lives and decisions of influential figures who have grappled with adversity. From the battlefields of wars to the corridors of power during political upheaval, these leaders made pivotal choices that shaped the course of nations and the destiny of millions.

FSE061021 / FSE061022 - SOCIAL STUDIES/LIFE SKILLS
1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course targets basic knowledge and skills in the areas of geographical concepts, government practices and citizenship. Instruction in consumer and civic responsibilities are included in this course through classroom and community-based instruction.

SOC765124 - SOCIOLOGY/DUAL CREDIT

0.75 Credit (3 College Credits) *Grades 11-12* *East, Preble, Southwest, West*
Prerequisite: Two credits in Social Studies

Sociology provides students with the opportunity to explore the nature of groups. Students will investigate contemporary concepts of culture, sociological perspectives, socialization, group dynamics and deviancy, stratification and social inequality. Students will recognize the powerful influences of the institutions of family, government, economics, religion, and education and how these forces create social contexts that guide our daily lives.

SOC063721 / SOC063722 - UNITED STATES GOVERNMENT AND ECONOMIC STUDIES

1.0 Credit *Grade 11* *East, Preble, Southwest, West* *Prerequisite: None*

The US Government and Economic Studies course provides students with a comprehensive understanding of the federal government's structure and functions, coupled with a thorough exploration of macro and micro economics. The initial segment of the course focuses on fundamental governmental principles, elucidating the rights, freedoms, and responsibilities bestowed upon U.S. citizens. Following the exploration of the US Government, the course transitions seamlessly to an introductory study of economics.

SOC062321 / SOC062322 - UNITED STATES HISTORY: RECONSTRUCTION TO THE PRESENT
SOC662321 / SOC662322 - UNITED STATES HISTORY: RECONSTRUCTION TO THE PRESENT (MYP 5)

1.0 Credit *Grade 10* *East, Preble, Southwest, West* *Prerequisite: None*

Embark on a captivating exploration of US History: Reconstruction to the Present, as students delve into pivotal events, influential figures, transformative developments, various perspectives, and intricate processes spanning from Reconstruction to the present day. Throughout this journey, students acquire and apply the very skills and methodologies embraced by historians themselves, delving into primary and secondary source analysis, forging meaningful historical linkages, and employing critical thinking in realms of comparison, causation, and continuity and change.

MULTILINGUAL LEARNER SOCIAL STUDIES COURSES

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
ELL068121 ELL068122	**EL Human Geography**	•	•	•	•	•	1	•	•	•	
ELL063721 ELL063722	**EL United States Government and Economic Studies**	•	•	•	•	•	1	•	•	•	
ELL062321 ELL062322	**EL United States History: Reconstruction to the Present**	•	•	•	•	•	1	•	•	•	

ELL068121 / ELL068122 - EL HUMAN GEOGRAPHY

1.0 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: Teacher Recommendation*

This course is intended for new-to-the-country Multilingual Learner students with limited English proficiency who will use the language of social studies for various purposes. Human Geography is a field of study that focuses on understanding the complex interactions between people and their environment through an inquiry-based approach. It encompasses topics such as population, migration, culture, politics, and economics to explore how human activities and behaviors are influenced by and impact the physical world around them. In addition to a global approach, students will also take a deeper look into population, migration, culture, politics, and economics of our state and local region.

Note: *This course may alternate with EL United States History: Reconstruction to the Present based on student enrollment.*

ELL063721 / ELL063722 - EL UNITED STATES GOVERNMENT AND ECONOMIC STUDIES

1.0 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: Teacher Recommendation*

This course is intended for new-to-the-country Multilingual Learner students with limited English proficiency who will use the language of social studies for various purposes. The US Government and Economic Studies course provides students with a comprehensive understanding of the federal government's structure and functions, coupled with a thorough exploration of macro and micro economics. The initial segment of the course focuses on fundamental governmental principles, elucidating the rights, freedoms, and responsibilities bestowed upon U.S. citizens. Following the exploration of the US Government, the course transitions seamlessly to an introductory study of economics.

ELL062321 / ELL062322 - EL UNITED STATES HISTORY: RECONSTRUCTION TO THE PRESENT

1.0 Credit *Grades 9-12* *East, Preble, Southwest* *Prerequisite: Teacher Recommendation*

This course is intended for new-to-the-country Multilingual Learner students with limited English proficiency who will use the language of social studies for various purposes. Embark on a captivating exploration of US History: Reconstruction to the Present, as students delve into pivotal events, influential figures, transformative developments, various perspectives, and intricate processes spanning from Reconstruction to the present day. Throughout this journey, students acquire and apply the very skills and methodologies embraced by historians themselves, delving into primary and secondary source analysis, forging meaningful historical linkages, and employing critical thinking in realms of comparison, causation, and continuity and change.

Note: *This course may alternate with EL Human Geography based on student enrollment.*

TECHNOLOGY AND ENGINEERING EDUCATION

Students are encouraged, but not required, to join the SkillsUSA related student organization.

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
TED079824	**3-D Animation and Game Design**		●	●	●		.5	●	●	●	●
TED786721 TED786722	**Advanced Metals and Manufacturing/Dual Credit**			●	●	●	2				●
UTL007700	**Automotive Maintenance Technician 1 (NWTC Partnership)**			●	●	●	3	●			
UTL007720	**Automotive Maintenance Technician 2 (NTWC Partnership)**				●	●	3	●			
TED787021 TED787022	**Carpentry and Home Construction (3 Periods)/Dual Credit**			●	●	●	3				●
TED787121 TED787122	**Carpentry and Home Construction (2 Periods)/Dual Credit**			●	●	●	2				●
TED075021 TED075022	**Civil Engineering and Architecture (PLTW)**	●	●	●	●		1		●	●	
TED076121 TED076122	**Industrial Technology Lab Assistant**				●	●	1	●	●	●	●
TED088224	**Introduction to AC/DC Electronics/Dual Credit**		●	●	●		.5			●	
TED083224	**Introduction to CAD**	●	●	●	●		.5	●	●	●	●
TED070224	**Introduction to Construction**	●	●	●	●		.5	●	●	●	●
TED071321 TED071322	**Introduction to Engineering Design (PLTW)**	●	●	●	●		1				●
TED771321 TED771322	**Introduction to Engineering Design (PLTW)/Dual Credit**	●	●	●	●		1	●	●	●	
TED088124	**Introduction to Robotics and Automation**	●	●				.5			●	
TED788124	**Introduction to Robotics and Automation/Dual Credit**			●	●		.5			●	
TED070424 TED670424	**Introduction to Technology**	●	●	●	●		.5			●	●
TED083024	**Metals 1**	●	●	●	●		.5		●	●	●
TED083124	**Metals 2**	●	●	●	●	●	.5		●	●	●
TED771621 TED771622	**PLTW Engineering Capstone/Dual Credit**			●	●	●	1		●		
TED070721 TED070722	**Principles of Engineering (PLTW)**		●	●	●		1		●	●	
TED072524	**Small Engines**	●	●	●	●		.5	●	●	●	●
TED098624	**Technology Education/Life Skills**	●	●	●	●	●	.5	●	●	●	●
TED07261 TED07262	**Vehicle Service**	●	●	●	●		1	●	●		
TED079721 TED079722	**Video Production and Special Effects**	●	●	●	●		1		●		
TED079724	**Video Production and Special Effects**	●	●	●	●		.5			●	
TED786121 TED786122	**Welding/Shielded Metal Arc and Gas Metal Arc Welding 1/Dual Credit**			●	●		1		●	●	●
TED071721 TED071722	**Woods 1**	●	●	●	●		1	●	●	●	●
TED071821 TED071822	**Woods 2**		●	●	●	●	1	●	●	●	●

TED079824 - 3-D ANIMATION AND GAME DESIGN

0.5 Credit *Grades 10-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course will expose students to three-dimensional design and animation technology. Students will learn the following features of three-dimensional technology: modeling, material creation, lighting, animation, and the rendering process of taking a three-dimensional scene and outputting it to static images or movies. This course will help prepare students for post-secondary education and many future careers such as technical visualization, game design, and filmmaking.

TED075021 / TED075022 - CIVIL ENGINEERING AND ARCHITECTURE (PLTW) *(Engineering Pathway)*

1.0 Credit *Grades 9-12* *Preble, Southwest* *Prerequisite: None*

PLTW

This course will introduce students to the fundamental design and development aspects of civil engineering and residential and commercial architectural projects. 3D architectural design software allows students to design, simulate, and evaluate the construction of buildings. The course includes the roles of civil engineers and architects, as well as all aspects of commercial building design. Students will have the opportunity to earn Autodesk Certified User (ACU) certification in Revit.

TED088224 - INTRODUCTION TO AC/DC ELECTRONICS/DUAL CREDIT *(Engineering Pathway)*

0.5 Credit (2 College Credits) *Grades 10-12* *Southwest* *Prerequisite: None*

NORTHEAST WI Technical College

This course introduces the concepts of AC (alternating current) and DC (direct current) power and basic circuits. Students use a multimeter to learn about voltage, current, and resistance in both AC and DC circuits.

TED076121 / TED076122 - INDUSTRIAL TECHNOLOGY LAB ASSISTANT
1.0 Credit Grade 12 East, Preble, Southwest, West Prerequisite: Approval of Technology Education Department Chairperson, Supervising Teacher, and school counselor.

This is an opportunity for students to assist in lab supervision and project activities. The student assistant will work with the instructor to monitor tools and supplies, formulate activities for lab demonstrations, demonstrate skill operations and serve as an alternate channel of student/instructor communications. Students may only take this course two times for credit.

Note: *Students will receive a pass/no pass grade (not a letter grade) that will count toward graduation credit but will not be calculated in the GPA.*

TED083224 - INTRODUCTION TO CAD *(Engineering and Manufacturing Pathways)*
0.5 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: None

This course will give students an introduction into the Computer Aided Design programs used in Engineering and Manufacturing. Students will gain skills in hand sketching, 2D and 3D modeling with the goal to use their learned skills to create parts with computer-controlled machines used in modern manufacturing today.

TED070224 - INTRODUCTION TO CONSTRUCTION *(Construction Pathway)*
0.5 Credit Grades 9-12 East, Preble, Southwest, West Prerequisite: None

This course will expose students to the field of construction by completing various tasks associated with different aspects of construction, such as foundations, framing, finishes, and mechanicals in both classroom and lab activities. Students will gain an introduction to career opportunities in the various areas and opportunities within the construction field.

TED071321 / TED071322 - INTRODUCTION TO ENGINEERING DESIGN (PLTW) *(Engineering Pathway)*
1.0 Credit Grades 9-12 East, West Prerequisite: None
TED771321 / TED771322 - INTRODUCTION TO ENGINEERING DESIGN (PLTW)/DUAL CREDIT
(Engineering Pathway)
1.0 Credit (3 College Credits) Grades 9-12 Preble, Southwest Prerequisite: None

Students apply the engineering design process, using math, science, and engineering to identify and design mechanical solutions to a variety of real problems. They work both individually and in collaborative teams with 3D modeling software and advanced manufacturing technologies. Students will have the opportunity to earn Autodesk Certified User (ACU) certification.

Note: *All students at Preble and Southwest register for the dual credit course. Students decide at the beginning of the course whether to enroll with UWGB and/or complete the PLTW assessment.*

TED088124 - INTRODUCTION TO ROBOTICS AND AUTOMATION *(Engineering Pathway)*
0.5 Credit (0 College Credit) Grade 9-10 Southwest Prerequisite: None
TED788124 - INTRODUCTION TO ROBOTICS AND AUTOMATION/DUAL CREDIT *(Engineering Pathway)*
0.5 Credit (2 College Credits) Grade 11-12 Southwest Prerequisite: None

This course is an introductory study of the application, operation, programming, and troubleshooting of Industrial Robots, as well as the opportunity to develop skills with automation control components such as switches, relays and starters. Students will also perform related wiring and troubleshooting of automation control circuits. Students will have the opportunity to earn FANUC Certified Robot Operator 1 certification.

TED070424 - INTRODUCTION TO TECHNOLOGY
TED670424 - INTRODUCTION TO TECHNOLOGY (MYP)
0.5 Credit Grades 9-12 Southwest, West Prerequisite: None

This course is designed for students who have not previously enrolled in a Technology and Engineering class. Students will learn a variety of skills needed to succeed in the next level of courses offered in Technology and Engineering. Topics include: use of tools and equipment, tool safety, use of materials, product design, and problem solving.

TED083024 - METALS 1 *(Manufacturing Pathway)*
0.5 Credit Grades 9-12 Preble, Southwest, West Prerequisite: None

This is a hands-on course designed to have students learn the various metal machining, welding, and fabrication techniques. Students will be actively engaged in projects while being prepared for work in the metal manufacturing industry. Students will develop a basic understanding of machining, arc welding, metal fabrication, and finishing.

TED083124 - METALS 2 *(Manufacturing Pathway)*
0.5 Credit Grades 9-12 Preble, Southwest, West Prerequisite: Metals 1

This course is designed to have students further demonstrate the skills acquired in Metals 1. Students will complete projects while preparing for work in the metal manufacturing industry. Students will demonstrate an understanding of manual machining, CNC machining, arc welding, and cutting processes.

TED771621 / TED771622 - PLTW ENGINEERING CAPSTONE/DUAL CREDIT *(Engineering Pathway)*
1.0 Credit (2 College Credits) *Grades 11-12* *Preble* *Prerequisite: Introduction to Engineering and Design*

An engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year. This course is highly recommended for students interested in pursuing a four-year engineering degree.

Note: *All students register for the dual credit course. Students decide at the beginning of the course whether to enroll with UWGB or complete the PLTW assessment.*

TED070721 / TED070722 - PRINCIPLES OF ENGINEERING (PLTW) *(Engineering Pathway)*
1.0 Credit *Grades 10-12* *Preble, Southwest* *Prerequisite: None*

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and motion. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Notes: *Science elective equivalency credit will be awarded upon successful completion of this course.*
This course is available as Advanced Standing through NWTC.

TED072524 - SMALL ENGINES *(Automotive Technology Pathway)*
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course will concentrate on the theory, maintenance, and service of internal combustion engines. The course will study each system found on small engines including service and replacement processes for defective parts, testing methods, the application of special tools and processes, technical report writing, and the use of reference materials.

TED098624 - TECHNOLOGY EDUCATION/LIFE SKILLS
0.5 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

This course is designed to give students opportunities to experience the field of Technology and Engineering, using a modified curriculum. This class will offer hands-on projects and more one on one attention with the instructor. The class will focus on measuring, materials, and the basic use of hand and power tools. Activities will be individually designed to fit the needs and abilities of the students.

TED07261 / TED07262 - VEHICLE SERVICE *(Automotive Technology Pathway)*
1.0 Credit *Grades 9-12* *East, Preble* *Prerequisite: None*

This course introduces students to the automobile service field. Students will learn the major systems of a vehicle, how the systems work together, and how to maintain, service, and diagnose those systems. They will complete a mix of lab and classroom activities using industry standardized tools, methods, and technical references. This course is designed for any student who has interest in this area, but is structured as to provide students the skills necessary to be successful in continuing education or apprenticeship programs. Students will have the opportunity to earn an ASE Certification if they complete this course at East High School.

TED079724 - VIDEO PRODUCTION AND SPECIAL EFFECTS
0.5 Credit *Grades 9-12* *Southwest* *Prerequisite: None*
TED079721 / TED079722 - VIDEO PRODUCTION AND SPECIAL EFFECTS
1.0 Credit *Grades 9-12* *Preble* *Prerequisite: None*

Students will learn the industry standard techniques of digital photography, camera operation, audio production and lighting for TV and video, as well as computer-based editing using state of the art software. Script writing and storyboards will be used to develop quality short productions. Animation and other special effects will be included to give students a wide range of career options.

TED786121 / TED786122 - WELDING/SHIELDED METAL ARC AND GAS METAL ARC WELDING 1/DUAL CREDIT *(Manufacturing Pathway)*
1.0 Credit (2 College Credits) *Grades 11-12* *Preble, Southwest, West* *Prerequisite: None*

This course will introduce students to the various welding, cutting, and fabricating processes related to different types of material (steel, aluminum, stainless steel). Topics covered include safety, welding symbols, joint design, various welding positions, and testing/evaluating welds. Students will demonstrate knowledge, skills, process and understanding of surfacing welds in the flat and horizontal position, fillet, pipe to plate and groove welds on plain carbon steel.

TED071721 / TED071722 - WOODS 1 *(Construction Pathway)*
1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

This course will provide an introduction to woodworking and construction fields through design, material processes, and machinery used in woodworking. Students will develop technical skills in the areas of manufacturing design, safety regulations, tool usage, and proper material selection to create a consumer product out of raw materials. Students will gain practical development of skills in cutting, joinery, assembling, and finishing.

TED071821 / TED071822 - WOODS 2 *(Construction Pathway)*
1.0 Credit Grades 10-12 East, Preble, Southwest, West Prerequisite: Woods 1

This course will continue to stress the safe and proper use of hand and machine tools commonly used to shape and form wood. Students will work as teams to create a mass production project. Students will have the opportunity to design and build an independent project of their choice. In addition, hand and computer drafting skills will be used and students will learn the connection between them and CNC machining as used in industry today. Students will have the opportunity to earn Woodwork Career Alliance Core Credential certification.

BAY LINK MANUFACTURING

TED786721 / TED786722 - ADVANCED METALS AND MANUFACTURING/DUAL CREDIT *(Manufacturing Pathway)*
2.0 Credits (4 College Credits) Grades 11-12 West Prerequisite: Application process. Recommended Metals 1 and Metals 2

In this course, students will apply the hands-on-skills learned in Metals 1, Metals 2, Welding, and other Technology and Engineering courses. Students will complete relevant, real world projects for local companies in the areas of welding, fabrication, machining, and CNC machining. They will also learn about the business of manufacturing through sales, marketing, accounting, production planning, bidding and managing purchase orders, and customer service. Completion of this course will earn an NWTC CNC Operator Career Pathway Certificate. Students will have the opportunity to earn HAAS CNC certification.

BRIDGES CONSTRUCTION AND RENOVATION

TED787021 / TED787022 - CARPENTRY AND HOME CONSTRUCTION (3 Periods)/DUAL CREDIT *(Construction Pathway)*
3.0 Credits (5 College Credits) Grades 11-12 West Prerequisite: Application Process. Recommended Intro to Construction or Woods 1
TED078121 / TED078122 - CARPENTRY AND HOME CONSTRUCTION (2 Periods)/DUAL CREDIT
2.0 Credits (5 College Credits)

In this course, students get hands-on experience in many aspects of the homebuilding trades as they construct the majority of a new home. Students frame the floor and walls and, when possible, install roof trusses or rafters, and sheet and shingle the roof. On the exterior, they will install windows and exterior doors, install siding, soffit, and fascia and build stairs and decking as needed. In the interior, students build staircases, install drywall, finish carpentry, hang doors, and install trim molding. Finally, they will build a detached garage. Completion of this course prepares students to transition directly into construction careers or further postsecondary education.

CITY STADIUM AUTOMOTIVE

UTL007700 - AUTOMOTIVE MAINTENANCE TECHNICIAN 1 (NWTC PARTNERSHIP) *(Automotive Technology Pathway)*
3.0 Credits (12 College Credits) Grade 11 East Prerequisite: Application Process. Recommended: Vehicle Service

This is the first of a two-year Automotive Service Excellence (ASE) Education Foundation Certified program, where students learn how to diagnose vehicle malfunctions, perform basic appropriate repairs, and recommend/conduct regular vehicle maintenance. In year one, students learn about the auto shop environment, performing diagnostics and basic maintenance, electrical systems, steering and suspension systems, and brake systems.

UTL007720 - AUTOMOTIVE MAINTENANCE TECHNICIAN 2 (NWTC PARTNERSHIP) *(Automotive Technology Pathway)*
3.0 Credits (13 College Credits) Grade 12 East Prerequisite: Automotive Maintenance Technician 1
Math requirement: Enrollment in Mathematical Reasoning or College Technical Math 1A in concurrent year OR completion of NWTC Vocational Math A the summer before 12th grade

This is the second of a two-year Automotive Service Excellence (ASE) Education Foundation Certified program, where students learn how to diagnose vehicle malfunctions, perform basic appropriate repairs, and recommend/conduct regular vehicle maintenance. In year two, students learn about chassis systems, electrical systems, basic engine design, and engine performance. Completion of this course and one of the dual credit mathematics courses listed will earn an NWTC Automotive Maintenance Technician Technical Diploma. Students will have the opportunity to earn ASE certification in Steering and Suspension, Brakes, and Engine Performance.

THEATRE AND DANCE

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
THD051024	**Introduction to Acting**	●	●	●	●		.5	●			●
THD051124	**Introduction to Theatre Production**	●	●	●	●		.5	●			●
THD520321 THD520322	**IB Theatre SL**			●	●		1				●
THD520421 THD520422	**IB Theatre HL (Year 1)**			●			1				●
THD520521 THD520522	**IB Theatre HL (Year 2)**				●	●	1				●
THD051224	**Performance Dance 1**	●	●	●	●		.5	●			
THD051324	**Performance Dance 2**	●	●	●	●	●	.5	●			

THD051024 - INTRODUCTION TO ACTING

0.5 Credit *Grades 9-12* *East, West* *Prerequisite: None*

This course introduces students to the essentials of acting through a variety of methods and exposure to acting activities, exercises, and styles. Students begin by exploring the global timeline and schools of acting. They then develop their acting skills through improvisation, scene work, and script work. The semester concludes with character development and analysis, enabling students to perform in a monologue showcase. Students will be required to participate in live performances.

THD051124 - INTRODUCTION TO THEATRE PRODUCTION

0.5 Credit *Grades 9-12* *East, West* *Prerequisite: None*

This course introduces students to the essentials of theatre production. Students have the opportunity to access their creativity through the study and exploration of storytelling, set, lighting, and sound design, theatre production, and character creation. The course will culminate in a final showcase production featuring highlights of their work from throughout the term. Students will be required to participate in live performances. Students will journal about their journey with a final reflection from their showcase experience.

THD520321 / THD520322 - IB THEATRE SL

1.0 Credit *Grades 11-12* *West* *Prerequisite: None*

THD520421 / THD520422 - IB THEATRE HL (Year 1)

1.0 Credit *Grade 11* *West* *Prerequisite: None*

THD520521 / THD520522 - IB THEATRE HL (Year 2)

1.0 Credit *Grade 12* *West* *Prerequisite: IB Theater HL (Year 1)*

Theatre is a multifaceted course that gives students the opportunity to actively engage in theatre as creators, designers, directors, and performers. It emphasizes working both individually and collaboratively as part of an ensemble. Students learn to apply research and theory to inform and to contextualize their work. Through researching, creating, preparing, presenting and critically reflecting on theatre, they gain a richer understanding of themselves, their community and the world. Students experience contrasting artistic and cultural perspectives. They learn about theatre from around the world, the importance of making theatre with integrity, and the impact that theatre can have on the world.

Note: *IB Theater HL is a two-year course. Students in the IB Diploma Programme who select this option must take both courses listed above.*

THD051224 - PERFORMANCE DANCE 1

0.5 Credit *Grades 9-12* *East* *Prerequisite: None*

This course introduces students to the classical and contemporary styles of dance from both the American and global spectrum. This course will draw from the fundamental technical, anatomical, spatial awareness principles of dance embedded in classical and contemporary dance practices. Through this course, students will gain the opportunity to engage themselves in artistic movement practices of choreography and dance composition, while allowing them to practice the performative practice within dance production and dance education.

THD051324 - PERFORMANCE DANCE 2

0.5 Credit *Grades 9-12* *East* *Prerequisite: Performance Dance 1*

This course further develops dance students' knowledge at an intermediate/advanced level. Students will continue to draw from the fundamental technical, anatomical, spatial awareness principles of dance embedded in classical and contemporary dance practices. This course allows students to continue engaging in personal artistic movement practices, exploration of choreography, and dance composition. Students will broaden their understanding of dance history and advocacy, allowing them to apply their performative practice within dance production, dance education and community engagement.

WORLD LANGUAGE

NOTES:

- A number of colleges require either world language credits for admission or within the course of college study. It is best to determine the policy of each college individually. For those colleges that do require world language, courses taken at the middle and high school level may count toward meeting the world language requirement.
- Enrollment in a World Language course is required for all students in Grades 9 and 10 at West High School as part of the IB Middle Years Programme.
- Students enrolled in American Sign Language 4, Chinese 4, French 4, and AP Spanish Language and Culture will take the AAPPL language proficiency assessment.
- Please see p.34 for more information about the Wisconsin Seal of Biliteracy.

AMERICAN SIGN LANGUAGE

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
WLA085121 WLA085122	**American Sign Language 1**	•	•	•	•		1			•	
WLA085221 WLA085222	**American Sign Language 2**		•	•	•	•	1			•	
WLA085321 WLA085322	**American Sign Language 3**			•	•	•	1			•	
WLA085421 WLA085422	**American Sign Language 4**			•	•	•	1			•	

WLA085121 / WLA085122 - AMERICAN SIGN LANGUAGE 1

1.0 Credit *Grades 9-12* *Southwest* *Prerequisite: None*

American Sign Language is one of the most widely used languages in the United States and Canada. This course is interactive and hands-on. You will discover how to communicate in a visual way using your face and hands. You will learn the mannerisms of the Deaf culture, vocabulary to engage in everyday conversation and be able to communicate with people who are deaf or hard of hearing by participating in projects that are designed to give you real life experiences.

WLA085221 / WLA085222 - AMERICAN SIGN LANGUAGE 2

1.0 Credit *Grades 10-12* *Southwest* *Prerequisite: American Sign Language 1*

Expand the knowledge you acquired in American Sign Language 1. This course offers the opportunity to build your vocabulary, engage in longer conversations, and participate in more real life projects. You will continue to explore Deaf culture in depth and prepare yourself to be comfortable in a multilingual world.

WLA085321 / WLA085322 - AMERICAN SIGN LANGUAGE 3

1.0 Credit *Grades 11-12* *Southwest* *Prerequisite: American Sign Language 2*

Continue your journey of learning American Sign Language. This course creates opportunities for you to further develop comprehension and expressive skills through meaningful activities. You will be able to engage in storytelling related to travel, life events and everyday activities. Fine tune your grammar, fingerspelling and number skills. You will build your knowledge and feel comfortable communicating with members of the Deaf community.

WLA085421 / WLA085422 - AMERICAN SIGN LANGUAGE 4

1.0 Credit *Grades 11-12* *Southwest* *Prerequisite: American Sign Language 3*

Immerse yourself in a world of American Sign Language and refine your skills through daily conversation, storytelling and projects. Upon completion of this course you will have a large vocabulary base, understand the basic grammar of American Sign Language and feel comfortable interacting with the Deaf community.

CHINESE

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
WLA021021 WLA021022	**Chinese 1**	•	•	•	•		1		•		
WLA021121 WLA021122	**Chinese 2**		•	•	•	•	1		•		
WLA021221 WLA021222	**Chinese 3**			•	•	•	1		•		
WLA721321 WLA721322	**Chinese 4/Dual Credit**				•	•	1		•		

WLA021021 / WLA021022 - CHINESE 1

1.0 Credit *Grades 9-12* *Preble* *Prerequisite: None*

Spoken by more people than any other language in the world, Chinese is the first language of more than a quarter of the earth's population. This course is an introduction to the basic skills of listening, speaking, reading, and writing in Chinese. The curriculum includes introductory vocabulary, pronunciation, common daily expressions, questioning techniques and culture. China is becoming a major economic power with its fast-growing economy. Individuals with experience in studying Chinese language and culture will be in high demand in the years to come. Be ready for the future and give yourself a unique skill to list on your resume or college application. There are 1.3 billion people waiting for you to join the conversation!

WLA021121 / WLA021122 - CHINESE 2

1.0 Credit *Grades 10-12* *Preble* *Prerequisite: Chinese 1*

Expand your knowledge of the Chinese language. Spoken by more people than any other language in the world, Chinese is the first language of more than a quarter of the earth's population. This offers continued practice and development of basic skills of listening, speaking, reading, and writing in Chinese. The curriculum includes vocabulary, pronunciation, common daily expressions, questioning techniques and culture with an emphasis on communicating in Chinese, forming authentic sentences and expanding communication skills in Chinese. China is becoming a major economic power with its fast-growing economy. Be ready for the future and give yourself a unique skill to list on your resume or college application.

WLA021221 / WLA021222 - CHINESE 3

1.0 Credit *Grades 11-12* *Preble* *Prerequisite: Chinese 2*

Spoken by more people than any other language in the world, Mandarin Chinese is the first language of more than a quarter of the earth's population. This course is a continuation of Mandarin Chinese 2 going more in-depth into the listening, speaking, reading and writing in simplified Chinese. The curriculum includes household chores, careers, and travel, Chinese and American literature, environmentally sound practices and modern China. China is becoming a major economic powerhouse. Individuals with experience in studying Chinese language and culture will be in high demand in the years to come.

WLA721321 / WLA721322 - CHINESE 4/DUAL CREDIT

*1.0 Credit (5 College Credits)** *Grade 12* *Preble* *Prerequisite: Chinese 3*

Spoken by more people than any other language in the world, Mandarin Chinese is the first language of more than a quarter of the earth's population. This course is a continuation of Chinese 3 and will focus on growing proficiency in listening, speaking, reading and writing in simplified Chinese. Individuals with experience in studying Chinese language and culture will be in high demand in the years to come.

Notes: *Students who take the course for college credit and earn a B or higher will be awarded an additional 15 retroactive college credits from UWM.*

FRENCH

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
WLA017121 WLA017122 WLA617121 WLA617122	**French 1**	•	•	•	•		1	•	•		•
WLA017221 WLA017222 WLA617221 WLA617222	**French 2**		•	•	•	•	1	•	•		•
WLA017321 WLA017322 WLA617321 WLA617322	**French 3**			•	•	•	1	•	•		•
WLA017421 WLA017422 WLA617421 WLA617422	**French 4**				•	•	1	•	•		•
WLA027121 WLA027122	**IB French SL (Year 1)**			•		•	1				•
WLA027221 WLA027222	**IB French SL (Year 2)**				•	•	1				•

WLA017121 / WLA017122 - FRENCH 1
WLA617121 / WLA617122 - FRENCH 1 (MYP)
1.0 Credit *Grades 9-12* *East, Preble, West* *Prerequisite: None*

French 1 is for students new to French language study. First-year students engage daily with written and spoken French language to build communicative capacity. They experience the language to learn about worldwide French culture and current events and develop their productive capacity. Year one students start in the novice range of language proficiency and focus on expressing themselves on familiar topics using various words, phrases, simple sentences, and practiced and memorized questions. At the end of French 1, students will likely be in the novice mid range and communicate confidently in short phrases on practiced and familiar topics. At this level, students usually understand more than they can produce.

WLA017221 / WLA017222 - FRENCH 2
WLA617221 / WLA617222 - FRENCH 2 (MYP)
1.0 Credit *Grades 10-12* *East, Preble, West* *Prerequisite: French 1*

French 2 is for students who completed French 1 and want to increase their French communicative proficiency and build solid foundational skills. Students continue to engage daily with written and spoken French language to expand their communicative capacities. In the target language, they learn about worldwide French culture, historical events, and current events. French 2 students focus on expressing themselves on very familiar topics using a variety of phrases, sentences, and practiced questions. At the end of French 2, students will likely be in the novice high range of language proficiency. They will communicate more effectively in short exchanges by asking questions, understanding answers, navigating authentic texts for big ideas, and presenting simplified concepts to an audience. At this level, students usually understand more than they can produce.

WLA017321 / WLA017322 - FRENCH 3
WLA617321 / WLA617322 - FRENCH 3 (MYP)
1.0 Credit *Grades 11-12* *East, Preble, West* *Prerequisite: French 2*

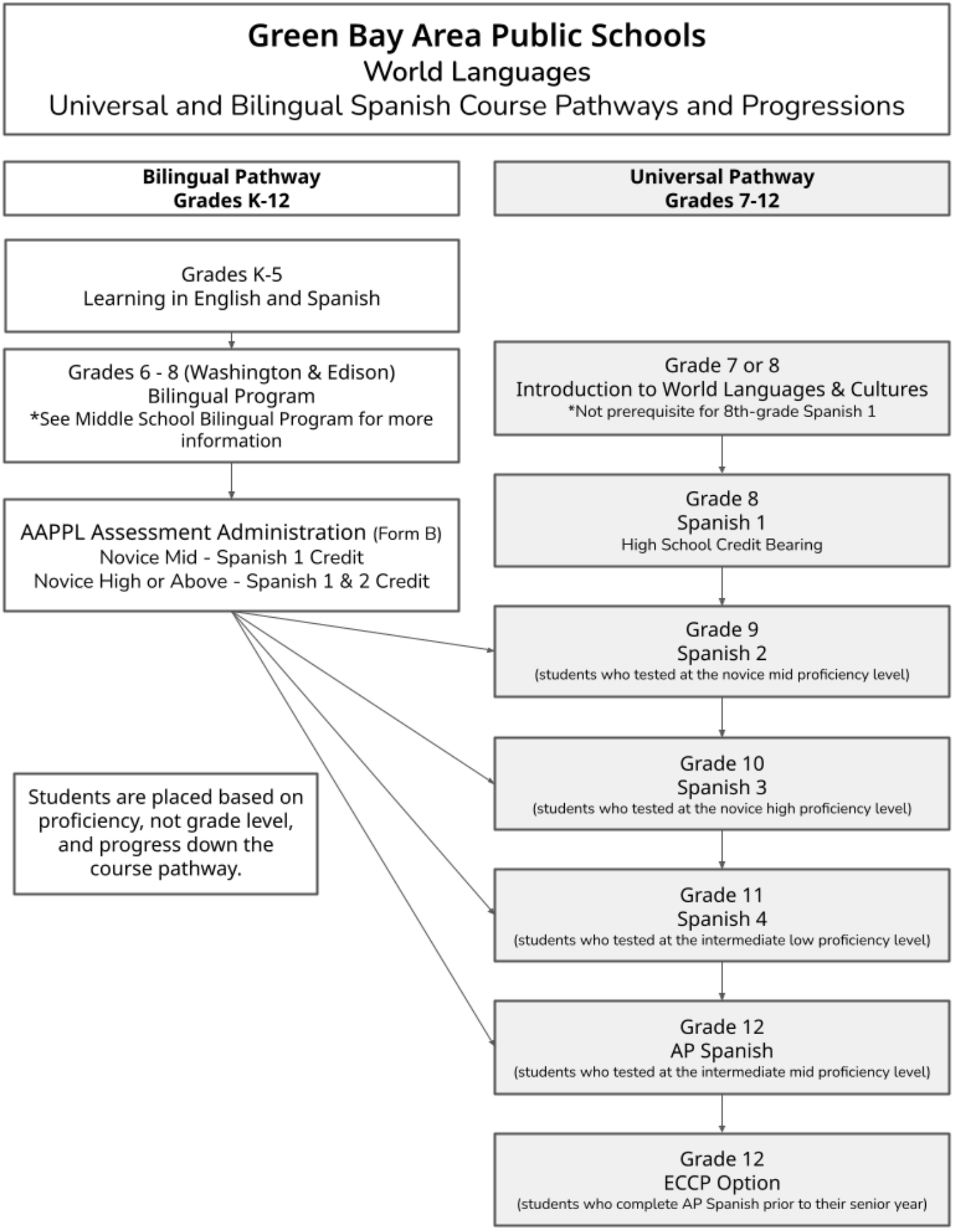
French 3 is for students who completed French 2 and want to improve their French language skills in reading, writing, listening, and speaking. Students' target language proficiency level begins at novice high. Students demonstrate an understanding of the topic and related information on familiar topics from sentences in short spoken or written texts and conversations. They participate in spontaneous spoken or written conversations on everyday topics, creating simple sentences and asking appropriate follow-up questions. Students communicate information, make presentations, and express thoughts about familiar topics using simple sentences. They compare cultural products and practices of their own and other cultures to deepen their understanding of perspectives and use language creatively to interpret, exchange, and present ideas and information in culturally appropriate ways. At the end of French 3, students will likely be in the intermediate low range of language proficiency.

WLA017421 / WLA017422 - FRENCH 4
WLA617421 / WLA617422 - FRENCH 4 (MYP)
1.0 Credit *Grade 12* *East, Preble, West* *Prerequisite: French 3*

French 4 is for students who completed French 3 and want to use and improve their language skills and cultural knowledge as they examine, compare, and integrate diverse perspectives and worldviews. Students' target language proficiency level begins at intermediate low. Students demonstrate an understanding of the main idea and key information in short spoken or written texts and conversations. They participate in spontaneous spoken or written conversations on everyday topics, creating sentences and asking a variety of follow-up questions. Students communicate information, make presentations, and express thoughts about familiar topics using sentences and series of connected sentences. They compare cultural products and practices of their own and other cultures to deepen their understanding of perspectives and use language creatively to interpret, exchange, and present ideas and information in culturally appropriate ways. At the end of French 4, students will likely be in the intermediate mid range of language proficiency. At the completion of this course, students may be eligible to earn the Seal of Biliteracy credential.

WLA027121 / WLA027122 - IB FRENCH SL (Year 1)
1.0 Credit *Grade 11* *West* *Prerequisite: French 2 or teacher recommendation*
WLA027221 / WLA027222 - IB FRENCH SL (Year 2)
1.0 Credit *Grade 12* *West* *Prerequisite: IB French SL (Year 1)*

French SL provides students who have previous experience in the language to further develop the necessary skills and intercultural understanding to communicate effectively in French. Through the study of language, themes and texts, they will learn to communicate in the target language in familiar and unfamiliar contexts. Students continue to develop their knowledge of vocabulary and grammar, as well as their conceptual understanding of how language works, in order to construct, analyse and evaluate arguments on a variety of topics relating to course content and French cultures.


Green Bay Area Public Schools
World Languages
Universal and Bilingual Spanish Course Pathways and Progressions
Bilingual Pathway
Grades K-12
Universal Pathway
Grades 7-12
Grades K-5
Learning in English and Spanish
Grades 6 - 8 (Washington & Edison)
Bilingual Program
*See Middle School Bilingual Program for more information
AAPPL Assessment Administration (Form B)
Novice Mid - Spanish 1 Credit
Novice High or Above - Spanish 1 & 2 Credit
Students are placed based on proficiency, not grade level, and progress down the course pathway.
Grade 7 or 8
Introduction to World Languages & Cultures
*Not prerequisite for 8th-grade Spanish 1
Grade 8
Spanish 1
High School Credit Bearing
Grade 9
Spanish 2
(students who tested at the novice mid proficiency level)
Grade 10
Spanish 3
(students who tested at the novice high proficiency level)
Grade 11
Spanish 4
(students who tested at the intermediate low proficiency level)
Grade 12
AP Spanish
(students who tested at the intermediate mid proficiency level)
Grade 12
ECCP Option
(students who complete AP Spanish prior to their senior year)

SPANISH											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
WLA719821 WLA719822	**AP Spanish Language and Culture/Dual Credit**			•	•	•	1	•	•	•	
WLA028821 WLA028822	**IB Spanish ab Initio (Year 1)**			•		•	1				•
WLA028921 WLA028922	**IB Spanish ab Initio (Year 2)**				•	•	1				•
WLA029121 WLA029122	**IB Spanish SL (Year 1)**			•		•	1				•
WLA029221 WLA029222	**IB Spanish SL (Year 2)**				•	•	1				•
WLA029321 WLA029322	**IB Spanish HL (Year 1)**			•		•	1				•
WLA029421 WLA029422	**IB Spanish HL (Year 2)**				•	•	1				•
WLA019121 WLA019122 WLA619121 WLA619122	**Spanish 1**	•	•	•	•		1	•	•	•	•
WLA019221 WLA019222 WLA619221 WLA619222	**Spanish 2**	•	•	•	•	•	1	•	•	•	•
WLA019321 WLA019322 WLA619321 WLA619322	**Spanish 3**	•	•	•	•	•	1	•	•	•	•
WLA019421 WLA019422 WLA619421 WLA619422	**Spanish 4**	•	•	•	•	•	1	•	•	•	•

WLA719821 / WLA719822 - AP SPANISH LANGUAGE AND CULTURE/DUAL CREDIT

*1.0 Credit (3 College Credits)** *Grades 11-12* *East, Preble, Southwest* *Prerequisite: Spanish 4*

AP Spanish Language and Culture emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. Students are engaged in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). At the completion of this course, students may be eligible to earn the Seal of Biliteracy credential.

Notes: *All students register for the dual credit course. Students decide at the beginning of the course whether to enroll with UWGB and/or take the AP Exam.*
Students who take the course for college credit and earn a B or higher will be awarded an additional 11 retroactive college credits from UWGB.

WLA028821 / WLA028822 - IB SPANISH ab INITIO SL (Year 1)

1.0 Credit *Grade 11* *West* *Prerequisite: IB counselor recommendation*

WLA028921 / WLA028922 - IB SPANISH ab INITIO SL (Year 2)

1.0 Credit *Grade 12* *West* *Prerequisite: IB Spanish ab Initio (Year 1)*

Spanish ab Initio SL provides students who have no previous experience in the language to develop the necessary skills and intercultural understanding to communicate effectively in Spanish. Through the study of language, themes and texts, they will develop their receptive, productive and interactive skills while learning to communicate in familiar and unfamiliar contexts.

WLA029121 / WLA029122 - IB SPANISH SL (Year 1)

1.0 Credit *Grade 11* *West* *Prerequisite: Spanish 3 (or teacher recommendation)*

WLA029221 / WLA029222 - IB SPANISH SL (Year 2)

1.0 Credit *Grade 12* *West* *Prerequisite: IB Spanish SL (Year 1)*

WLA023121 / WLA029322 - IB SPANISH HL (Year 1)

1.0 Credit *Grade 11* *West* *Prerequisite: Spanish 3 (or teacher recommendation)*

WLA029321 / WLA029322 - IB SPANISH HL (Year 2)

1.0 Credit *Grade 12* *West* *Prerequisite: IB Spanish SL (Year 1)*

Spanish HL and SL provide students who have previous experience in the language to further develop the necessary skills and intercultural understanding to communicate effectively in Spanish. Through the study of language, themes and texts, they will learn to communicate in the target language in familiar and unfamiliar contexts. Students continue to develop their knowledge of vocabulary and grammar, as well as their conceptual understanding of how language works, in order to construct, analyse and evaluate arguments on a variety of topics relating to course content and Spanish cultures. Students in the HL course will study two literary works originally written in Spanish and are expected to extend the range and complexity of the language they use and understand in order to communicate. At the completion of this course, students may be eligible to earn the Seal of Biliteracy credential.

WLA019121 / WLA019122 - SPANISH 1
WLA619121 / WLA619122 - SPANISH 1 (MYP)
1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: None*

Spanish 1 is for students new to Spanish language study. First-year students engage daily with written and spoken Spanish language to build communicative capacity. They experience the language to learn about worldwide Spanish culture and current events and develop their productive capacity. Year one students start in the novice range of language proficiency and focus on expressing themselves on familiar topics using various words, phrases, simple sentences, and practiced and memorized questions. At the end of Spanish 1, students will likely be in the novice mid language proficiency range and communicate confidently in short phrases on practiced and familiar topics. At this level, students usually understand more than they can produce.

WLA019221 / WLA019222 - SPANISH 2
WLA619221 / WLA619222 - SPANISH 2 (MYP)
1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Spanish 1*

Spanish 2 is for students who completed Spanish 1 and want to increase their Spanish communicative proficiency and build solid foundational skills. Students continue to engage daily with written and spoken Spanish language to expand their communicative capacities. In the target language, they learn about worldwide Spanish culture, historical events, and current events. Spanish 2 students focus on expressing themselves on very familiar topics using a variety of phrases, sentences, and practiced questions. At the end of Spanish 2, students will likely be in the novice high range of language proficiency. They will communicate more effectively in short exchanges by asking questions, understanding answers, navigating authentic texts for big ideas, and presenting simplified concepts to an audience. At this level, students usually understand more than they can produce.

WLA019321 / WLA019322 - SPANISH 3
WLA619321 / WLA619322 - SPANISH 3 (MYP)
1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Spanish 2*

Spanish 3 is for students who completed Spanish 2 and want to improve their Spanish language skills in reading, writing, listening, and speaking. Students' target language proficiency level begins at novice high. Students demonstrate an understanding of the topic and related information on familiar topics from sentences in short spoken or written texts and conversations. They participate in spontaneous spoken or written conversations on everyday topics, creating simple sentences and asking appropriate follow-up questions. Students communicate information, make presentations, and express thoughts about familiar topics using simple sentences. They compare cultural products and practices of their own and other cultures to deepen their understanding of perspectives and use language creatively to interpret, exchange, and present ideas and information in culturally appropriate ways. At the end of Spanish 3, students will likely be in the intermediate low range of language proficiency.

WLA019421 / WLA019422 - SPANISH 4
WLA619321 / WLA619322 - SPANISH 4 (MYP)
1.0 Credit *Grades 9-12* *East, Preble, Southwest, West* *Prerequisite: Spanish 3*

Spanish 4 is for students who completed Spanish 3 and want to use and improve their language skills and cultural knowledge as they examine, compare, and integrate diverse perspectives and worldviews. Students' target language proficiency level begins at intermediate low. Students demonstrate an understanding of the main idea and key information in short spoken or written texts and conversations. They participate in spontaneous spoken or written conversations on everyday topics, creating sentences and asking a variety of follow-up questions. Students communicate information, make presentations, and express thoughts about familiar topics using sentences and series of connected sentences. They compare cultural products and practices of their own and other cultures to deepen their understanding of perspectives and use language creatively to interpret, exchange, and present ideas and information in culturally appropriate ways. At the end of Spanish 4, students will likely be in the intermediate mid range of language proficiency. At the completion of this course, students are eligible to take the AAPPL assessment to earn the Seal of Biliteracy credential.

WORK-BASED LEARNING

LOCAL INTERNSHIP											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
OTH081021 OTH081022	**Employment Experience**			●	●	●	0.5 or 1	●	●	●	●

OTH081021 / OTH081022 - EMPLOYMENT EXPERIENCE

0.5 Credits or 1.0 Credit *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: Employment in a job that meets program requirements*

This course focuses on developing basic interpersonal skills necessary for success in the world of work. Each participant must be employed in a position appropriate for a high school student. It is the responsibility of the student to locate this employment. Employment must be secured by the fifth day of the semester and must be maintained throughout the semester. Credit will be earned based on a minimum of 90 hours of work in a semester and successful assessment of employability skills by the school coordinator and the employer.

Notes

- *This course is intended for work positions that do not meet the guidelines or hour requirements of Youth Apprenticeship.*
- *Students will receive a pass/no pass grade (not a letter grade) that will count toward elective graduation credit but will not be calculated in the GPA.*
- *Students may only earn 1.0 credit for Employment Experience*

SPECIAL EDUCATION											
Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
SEO099921 SEO099922	**On-the-Job Training**			●	●	●	1-2	●	●	●	●
SEO099821 SEO099822	**Work Experience**			●	●	●	1-2	●	●	●	●

SEO099921 / SEO099922 - ON-THE-JOB TRAINING

1.0-2.0 Credits *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

On-the-Job Training is a program designed for students with disabilities. It provides opportunities for juniors and seniors to participate in community job experiences as part of their educational programming. The job experiences will enable learners to acquire attitudes, skills, and knowledge necessary for successful employment after high school. Student support will be determined on an individual basis. Student demonstration of Employability Skills while on the job will be evaluated by employers and school personnel.

SEO099821 / SEO099822 - WORK EXPERIENCE

1.0-2.0 Credits *Grades 11-12* *East, Preble, Southwest, West* *Prerequisite: Teacher Recommendation*

Work Experience is a program designed to provide opportunities for students with disabilities who require on-going, on-site support to participate in community-based job experiences as part of their educational programming. Student support will be determined on an individual basis. On-site job coaching, travel training and linking with adult service providers are provided as part of this program. The job experiences will enable learners to acquire attitudes, skills, and knowledge necessary for successful employment after high school. Student demonstration of employability skills while on the job will be evaluated by employers and school personnel.

YOUTH APPRENTICESHIP

Course Number	Course Name	Grade				Prerequisite	Credit	School			
		9	10	11	12			E	P	S	W
YA 030223	**YA Agriculture, Food, and Natural Resources Level 1**			●	●	●	2	●	●	●	●
YA 030423	**YA Agriculture, Food, and Natural Resources Level 2**				●	●	2	●	●	●	●
YA 074223	**YA Architecture and Construction Level 1**			●	●	●	2	●	●	●	●
YA 078423	**YA Architecture and Construction Level 2**				●	●	2	●	●	●	●
YA 076723	**YA Arts, A/V Technology, and Communications Level 1**			●	●	●	2	●	●	●	●
YA 076823	**YA Arts, A/V Technology, and Communications Level 2**				●	●	2	●	●	●	●
YA 014123	**YA Business Administration Level 1**			●	●	●	2	●	●	●	●
YA 014223	**YA Business Administration Level 2**				●	●	2	●	●	●	●
YA 040123	**YA Education and Training Level 1**			●	●	●	2	●	●	●	●
YA 040223	**YA Education and Training Level 2**				●	●	2	●	●	●	●
YA 013723	**YA Finance Level 1**			●	●	●	2	●	●	●	●
YA 013823	**YA Finance Level 2**				●	●	2	●	●	●	●
YA 050123	**YA Government and Public Administration Level 1**			●	●	●	2	●	●	●	●
YA 050223	**YA Government and Public Administration Level 2**				●	●	2	●	●	●	●
YA 022723	**YA Health Science Level 1**			●	●	●	2	●	●	●	●
YA 022823	**YA Health Science Level 2**				●	●	2	●	●	●	●
YA 021623	**YA Hospitality, Lodging, and Tourism Level 1**			●	●	●	2	●	●	●	●
YA 021723	**YA Hospitality, Lodging, and Tourism Level 2**				●	●	2	●	●	●	●
YA 045123	**YA Human Services Level 1**			●	●	●	2	●	●	●	●
YA 045223	**YA Human Services Level 2**				●	●	2	●	●	●	●
YA 081423	**YA Information Technology Level 1**			●	●	●	2	●	●	●	●
YA 081523	**YA Information Technology Level 2**				●	●	2	●	●	●	●
YA 050123	**YA Law, Public Safety, Corrections, and Security Level 1**			●	●	●	2	●	●	●	●
YA 050423	**YA Law, Public Safety, Corrections, and Security Level 2**				●	●	2	●	●	●	●
YA 083423	**YA Manufacturing Level 1**			●	●	●	2	●	●	●	●
YA 083523	**YA Manufacturing Level 2**				●	●	2	●	●	●	●
YA 015223	**YA Marketing Level 1**			●	●	●	2	●	●	●	●
YA 015323	**YA Marketing Level 2**				●	●	2	●	●	●	●
YA 085423	**YA Science, Technology, Engineering and Mathematics Level 1**			●	●	●	2	●	●	●	●
YA 085523	**YA Science, Technology, Engineering and Mathematics Level 2**				●	●	2	●	●	●	●
YA 077423	**YA Transportation, Distribution, and Logistics Level 1**			●	●	●	2	●	●	●	●
YA 077523	**YA Transportation, Distribution, and Logistics Level 2**				●	●	2	●	●	●	●

YOUTH APPRENTICESHIP LEVEL 1

2 Credits *Grades 11-12* *East, Preble, Southwest, West, JDAL, NEW, Minoka-Hill*

Prerequisite: Concurrent enrollment in a course related to employment.

YOUTH APPRENTICESHIP LEVEL 2

2 Credits *Grade 12* *East, Preble, Southwest, West, JDAL, NEW, Minoka-Hill*

Prerequisite: Concurrent enrollment in a course related to employment. Youth Apprenticeship Level 1

Youth Apprenticeship (YA) is a one- or two-year program that provides students an opportunity to see the relationship between work and school. It also allows students to explore career interests, earn credit and wages, and gain valuable industry experience under career coaches and business mentors. Students enrolled in this program must also take related instruction which can be located at their home school, another local high school, a college/university, or at a specific industry. A work schedule will be created that fits both the employer and the student. This combination allows students hands-on opportunities to explore their career interests, the importance of community involvement, and the development of the skills necessary to be successful. Students will have the opportunity to earn a YA Level 1 or Level 2 certification.

Notes:

- *Students must be academically eligible for the Youth Apprenticeship program. Please contact your School Counselor or YA Success Coach for more information.*
- *Students will receive a pass/no pass grade (not a letter grade) that will not be calculated in the GPA.*
- *Some apprenticeships require additional training or certification. Please contact the YA Success Coach for more information.*

Internet Version

AGRICULTURE, FOOD, AND NATURAL RESOURCES *(AFNR Pathway)*
YA 030223 **LEVEL 1**
YA 030423 **LEVEL 2**

ARCHITECTURE AND CONSTRUCTION *(Construction Pathway)*
YA 074223 **LEVEL 1**
YA 074323 **LEVEL 2**

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS
YA 076723 **LEVEL 1**
YA 076823 **LEVEL 2**

BUSINESS ADMINISTRATION *(Business Management Pathway)*
YA 014123 **LEVEL 1**
YA 014223 **LEVEL 2**

EDUCATION AND TRAINING *(Education Pathway)*
YA 040123 **LEVEL 1**
YA 040223 **LEVEL 2**

FINANCE *(Business Management Pathway)*
YA 013723 **LEVEL 1**
YA 013823 **LEVEL 2**

GOVERNMENT AND PUBLIC ADMINISTRATION
YA 050123 **LEVEL 1**
YA 050223 **LEVEL 2**

HEALTH SCIENCE *(Health Services Pathway)*
YA 022723 **LEVEL 1**
YA 022823 **LEVEL 2**

HOSPITALITY, LODGING, AND TOURISM *(Culinary Arts Pathway)*
YA 021623 **LEVEL 1**
YA 021723 **LEVEL 2**

HUMAN SERVICES
YA 045123 **LEVEL 1**
YA 045223 **LEVEL 2**

INFORMATION TECHNOLOGY *(Information Technology Pathway)*
YA 081423 **LEVEL 1**
YA 081523 **LEVEL 2**

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
YA 050323 **LEVEL 1**
YA 050423 **LEVEL 2**

MANUFACTURING *(Manufacturing Pathway)*
YA 083423 **LEVEL 1**
YA 083523 **LEVEL 2**

MARKETING *(Marketing Pathway)*
YA 015223 **LEVEL 1**
YA 015323 **LEVEL 2**

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS *(Engineering Pathway)*
YA 085423 **LEVEL 1**
YA 085523 **LEVEL 2**

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS *(Automotive Technology Pathway)*
YA 077423 **LEVEL 1**
YA 077523 **LEVEL 2**

APPENDICES

APPENDIX A: COURSES AND SCHEDULING

ACCOMMODATIONS FOR GRADUATION REQUIREMENTS

Students who are participating in alternative programs may need different options available to them than the prescribed graduation requirements. Students needing these types of accommodations should contact their school counselor.

ADDITIONAL FEES

Certain courses may have additional fees for materials and supplies. Some fees cannot be waived. Consult with your school counselor if you have questions on these fees or any other fees.

ADVISORY

All middle and high school students have an Advisory time during their school day. During this time, students will engage in activities related to Academic and Career Planning, Social Emotional Learning, and School-based Activities.

BALANCING CLASSES

Balancing of classes may be necessary in order to provide a quality learning experience for students. The administration reserves the right to move students from one period to another to balance class enrollment.

BILINGUAL PATHWAY

Students who participated in a bilingual program in middle school can continue this pathway in high school by enrolling in World Language courses. Students should select a Spanish course during the course request process. Students' language skills will be reviewed to ensure they are placed in the appropriate Spanish course.

COURSES OFFERED VS. COURSES RUNNING

The courses listed in this coursebook reflect those offered in the school district. Whether a course runs at each school is determined by multiple factors, including student requests, available staff, and facility requirements.

DISTANCE LEARNING

In order to provide access to as many opportunities as possible, the district may combine courses with low student requests to create a single section with students from multiple schools. Audiovisual and online technology resources will allow the students to participate in the class in real time from multiple locations.

DROPPING CLASSES

A high school student may withdraw from a course without penalty during the semester with the recommendation of the school counselor, written justification from the student and the student's parent/guardian, a parent/guardian contact by phone or in person, and permission from the building principal. Students must be enrolled in no fewer than six credits each year, except as otherwise authorized by the building principal.

Reasons for allowing a student to withdraw from a course include, but are not limited to, physical, mental, or emotional concerns, inappropriate placement, or other circumstances beyond the student's control.

GUIDELINES FOR COURSE REQUESTS

A student's course requests are finalized by the student in November through January for the following school year. The program for the full year is planned at this time.

MIDDLE SCHOOL COURSES AND HIGH SCHOOL GRADUATION REQUIREMENTS

High school credit will be awarded to middle school students for taking equivalent high school courses, as well as courses taken at a high school while enrolled in Grades 7-8. Approved credit can count toward the District requirement of 22 credits and as part of the specific requirement in the various academic areas. Students involved in earning these credits will still be required to take four credits of English, three credits of social studies, three credits of math, three credits of science, and 1 1⁄2 credits of physical education in Grades 9-12. The course(s) will automatically appear on the transcript with credit given and the grade will be computed in the grade point average. If a parent/guardian determines at any point in the student's career that the course(s) will not be taken for credit, the parent/guardian must provide a request in writing to their student's counselor requesting the removal of the course and credit from the transcript. (This does not apply to the high school *Health and Wellness* course.) The course(s) and grade(s) will not appear on the transcript, no credit given and the grade will not be computed as part of the high school grade point average.

Additionally:

- Students in Grades 7-8 can earn credit for World Language courses. See the World Language section for details.
- Students in Grade 8 enrolled in Accelerated English Language Arts 8 may receive high school elective credit. Four credits of English must be taken in grades 9-12 to meet graduation requirements.
- Students enrolled in Algebra 1 in Grade 8 may receive high school elective credit. Three credits of math must be taken in grades 9-12 to meet graduation requirements.
- Students in Grade 8 may take the high school Health and Wellness course offered at the middle school site. This course meets the high school health requirement for graduation. The grade will be counted in the high school grade point average and appear on the high school transcript.
- Students in Grade 8 enrolled in Geometry at a high school site may receive credit toward the three required math credits or may opt for an elective credit.

MIDDLE SCHOOL COURSES AND APPLYING TO COLLEGES

School counselors have complete information on how courses taken by middle school students such as Algebra 1, Health, and World Languages may count toward meeting requirements for postsecondary institutions. Please contact your school counselor for details.

Admission requirements vary considerably depending upon the college or university that the student plans to attend and the major field of study that he/she plans to pursue. It is essential that students and parents check with individual university admission offices regarding specific college entrance requirements. This should include asking them about their policies on acceptance of courses taken in the middle school for high school credit and courses taken in high school for college credit.

PREREQUISITES

Prerequisite course means that a student has successfully completed a course with a grade of "D-" or better. School counselors in each high school will provide specific directions for completing course registration. Students who have not completed a prerequisite course may also demonstrate their mastery of the knowledge and skills of the prerequisite course to meet the requirement.

RETAKING A COURSE/CREDIT RECOVERY

Students who have earned a “D” or “F” in a course may retake that course through one of several options that may be available at their school. These options may include a full retake of the course, a credit recovery option, or a continuous progress option. Students and parents/guardians will work with the school counselor to determine which option may be the best fit to earn credit for a failed course.

Exceptions for retaking a course may also be made for students with disabilities when specified in the Individualized Education Plan (IEP). All other retakes and original grade replacements must be approved by the principal.

STUDENT SCHEDULE

The final student schedule will reflect the input of the student, the student’s parent(s)/guardians(s), appropriate teachers, and the school counselor. Course schedule changes will be made if a mistake was made in the student’s program. A teacher request for a change of a student’s schedule within a department is permissible. Other exceptions will be made at the discretion of the building principal and will take into account the best interests of the students.

APPENDIX B: ACADEMIC PROGRAMS

ADVANCED PLACEMENT COURSES AND EXAMINATIONS

Students have the opportunity to earn college credit by taking Advanced Placement (AP) exams from the College Board. Please see the subject areas above for AP courses offered in the district; taking these courses will prepare students for the AP exam. Students are encouraged, but not required, to take the AP exam for courses they complete. Students may also take any AP exam without taking the corresponding AP courses.

Registration for AP exams closes in early November for courses that begin on the first day of school and in early March for courses that begin after November 15th. Those who wish to take an exam but are not taking an AP course should register by November first. AP exams are taken in May with results available online near the end of July.

More information and updated policy notices on fee reductions are available on the AP website at www.collegeboard.org/ap. According to WI Statute 120.12(22), test fees will be paid by the District for students on free or reduced lunch. See your school counselor for details.

More than 90 percent of colleges grant credit and/or placement to students whose AP exam scores meet college requirements. All UW System colleges grant credit for AP exam scores of three or higher. To learn about AP credit policies for other colleges and universities, please go to https://apstudents.collegeboard.org/getting-credit-placement. Contact the Associate Director of Assessment and Data at 920-272-2248 with questions regarding Advanced Placement exams.

GIFTED AND TALENTED

Opportunities for gifted and talented students at the high school level include advanced courses at each building and throughout the district. Opportunities are available in all curricular areas through Advanced Placement (AP) courses, Dual Credit courses, Online courses, Independent Study, Early College Credit Program, Start College Now, Youth Apprenticeship, and specialized programs including the International Baccalaureate (IB) Diploma Programme at West and the Fine Arts Institute at East. For more information, check this course book, talk with your teachers, contact your Gifted and Talented Resource Teacher, see your school counselor, or check out the district website at: https://www.gbaps.org/aboutgbaps/district-programs/gifted-talented.

INDEPENDENT STUDY

The Green Bay Area Public School District provides opportunities for students to engage in independent study. Such study extends educational opportunities beyond that which the school provides. Students requesting to earn high school credit as a result of independent study participation must follow established credit-earning procedures. Procedures and limits are outlined in GBAPS Board Policy and Rule 343.3.

INTERNATIONAL BACCALAUREATE COURSES AND EXAMINATIONS

Students have the opportunity to earn college credit by taking International Baccalaureate (IB) courses and exams. Students can schedule the full diploma course load and complete components required for the IB diploma (see page 13) or they can enroll in individual courses for IB certificates. Unlike AP, most IB courses continue for two consecutive years allowing students time to more deeply understand the subject matter. IB credit is awarded based on multiple assessments, both in the classroom and in external exam sessions. IB assessments require enrollment in the IB course. As AP does not require enrollment in an AP course, IB students can take AP exams if they choose.

INTERNATIONAL BACCALAUREATE MIDDLE YEARS PROGRAMME (MYP)

All students at West High School in Grades 9 and 10 participate in the IB Middle Years Programme. Students enroll in courses that follow the district approved curriculum and are assessed in the courses based on the MYP assessment criteria. Students at West should select the courses in this book with MYP in the course title when it is an option.

INTRA-DISTRICT TRANSFER

Students may attend a high school of their choice upon approval of an intra-district transfer application. This allows students greater flexibility and choice during course selection. Students wishing to participate in the intra-district transfer opportunity must submit an application to the Office of Central Registration during the specified application dates. Please contact the main office at your school for details.

Internet Version

NCAA REQUIREMENTS

Students who are interested in eligibility to play on athletic teams in college should see the school counselor, activities director, or the NCAA website (www.ncaa.org) for more details. Courses that have been approved by the NCAA as meeting their eligibility requirements are indicated with the NCAA logo. For students with an education-impacting disability, request for approval may be submitted to NCAA for credit toward specific courses. Upon proper NCAA approval, credit may be received.

For the eligibility quick reference guide, please visit: http://fs.ncaa.org/Docs/eligibility_center/Quick_Reference_Sheet.pdf
For the eligibility center to search by courses, please visit:https://web3.ncaa.org/hsportal/exec/hsAction?hsActionSubmit=searchHighSchool

OFF-CAMPUS CREDIT

Credits toward graduation may be granted for courses satisfactorily completed at another educational institution. Depending on the institution, program, and course requested, certain guidelines apply. For example:

- High school credit will be awarded to high school students for taking equivalent post-secondary courses through the ***Early College Credit or Start College Now*** **program** in accordance with Policies and Rules 343.45 and 343.46. Applications are due by October 1 for spring courses, February 1 for summer courses (ECCP only), and March 1 for fall courses.
- High school credit will be awarded to high school students for taking equivalent high school courses through **Part-time Open Enrollment** while enrolled in grades 9-12.
- Credits for courses satisfactorily completed at another educational organization or institution may be approved by the Superintendent of Schools or designee provided such coursework meets similar standards for rigor and scope and sequence as courses within the District. Coursework shall be taken on the student's own time and at his/her own expense.

Additional details are outlined in GBAPS Board Policy and Rule 345.6.

ONLINE COURSES

The Green Bay Area Public School District provides high school students the opportunity to take district courses online. These courses are taught by district teachers. The courses with online options available are listed in the course descriptions with "Online" after the course title. As with all GBAPS courses, whether an online course runs is determined by multiple factors, including student requests and available staff.

PROJECT LEAD THE WAY

Project Lead the Way (PLTW) promotes math, science, technology, and engineering through courses that emphasize problem-solving and decision-making skills. The Green Bay Area Public Schools offers PLTW courses in Engineering and Computer Science. At the end of the course, students complete assessments which can result in students earning college credit or qualifying for internships and apprenticeships.

SPECIAL EDUCATION

The course description book has been designed so all courses for students with special education needs are embedded into the content area of the course description book. If you have questions or concerns about course selections for your student, please contact your student's school counselor for more information. Green Bay Area Public Schools offer a complete range of educational opportunities for all students with special education needs. Special Education programming may involve a student in regular education courses, with or without accommodations and/or support, an academic lab, a self-contained classroom, or combination of these options. Various program options can be designed to meet the student's educational needs through the student's individual education plan (IEP). Placement decisions are made based upon the student's IEP.

SUMMER SCHOOL

Summer School is a learning opportunity for students to engage in academic/credit bearing and enrichment opportunities all designed to help students stay on track for graduation to become college, career and community ready. Students should be encouraged to consider earning additional credits to apply toward graduation, taking a course for enrichment, making up credit that is needed to earn a high school diploma, or simply pursuing learning that is of interest. Course information and registration materials will be available at high schools and at gbaps.org/summerschool. It is the student's responsibility to register in a timely manner. Both credit and non-credit opportunities are planned and will be offered based on sufficient enrollment.

WORK-BASED LEARNING PROGRAMS

Work-based learning programs are designed to provide students with meaningful learning experiences to support individual planning related to academic, career, and life goals. In these programs, students earn high school credit, while being employed as they learn general employability skills and/or career-specific skills.

“We educate all students to be college, career and community ready, inspired to succeed in our diverse world.”

-Green Bay Area Public School District Mission Statement

Green Bay Area Public School District
200 South Broadway
Green Bay, WI 54303
www.gbaps.org

The Green Bay Area Public School District prohibits all forms of unlawful discrimination against students and other persons in all aspects of the District’s programs and operations. Accordingly, consistent with Wis. Stat. § 118.13, no person shall unlawfully be denied admission to any public school in this District, or be denied participation in, 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, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability. Any questions concerning this notice, may be directed to Abby Tilkens, Associate Counsel - Title VI and Title IX Coordinator, 200 S. Broadway Green Bay, WI 54303 (920) 448-2284 astilkens@gbaps.org.