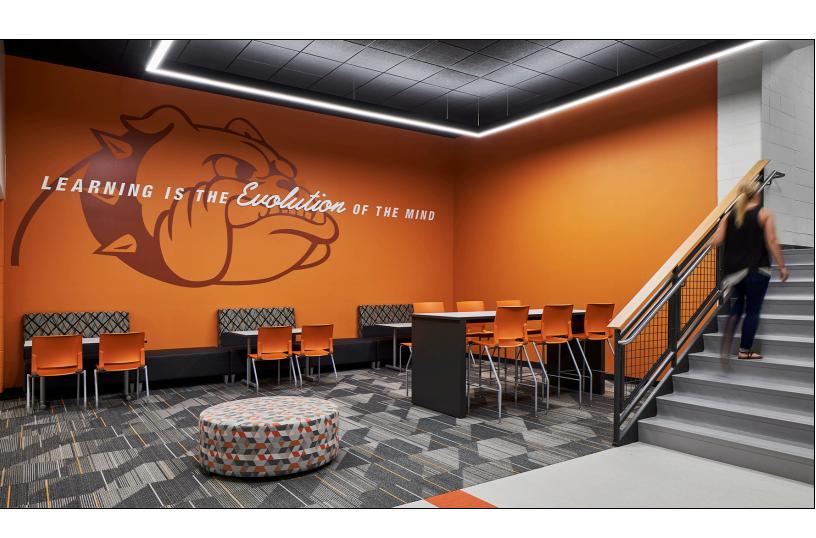


INTENTIONAL LEARNING WELCOMING RELATIONSHIPS PRODUCTIVE COLLABORATION



2026-2027 Course Guide



2026-2027 Cedarburg High School Course Guide

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WELCOME TO CEDARBURG HIGH SCHOOL

December 2025

Dear Students & Parents/Guardians:

The 2026-2027 Cedarburg High School Course Guide has been designed to help develop and manage an informed four-year educational program.

A review of this publication will reveal the rigor of our academic programs and the diversity of the curricular offerings. Our goal is to provide various options for an individualized course of study aligned with specific goals and interests. To serve that purpose, our staff and school have added several new courses over the past few years to maintain modern and relevant courses for our students.

The CHS Course Guide provides in-depth descriptions for all courses and course levels. Please take the time to review this information, reflect on personal goals, and ultimately, make informed decisions that will positively impact academic progress.

Cedarburg High School staff members are committed to ensuring an exemplary education by engaging all students in rigorous learning experiences, developing meaningful relationships, and evolving into lifelong learners. We encourage thorough exploration of the offerings presented in this *CHS Course Guide.* Please use this as a resource to inform discussions with families, teachers, and school counselors. Best wishes for a positive and meaningful school year. Go Bulldogs!

Sincerely,

Casey Bowe

Principal Cedarburg High School



Once a Bulldog, Always a Bulldog. Our time together is both limited and profoundly meaningful. The bonds we form and the memories we create will last a lifetime. Every one of your contributions adds to our school's story, connecting all Bulldogs to a legacy steeped in pride, unity, and deep care for Cedarburg High School. We will cherish this time and continue building a future that reflects our shared values and school spirit.

Mission. Ensuring an exemplary education by engaging all students in rigorous learning experiences, developing meaningful relationships, and evolving into lifelong learners

Vision. Focused on transformational learning and committed to collective success

NOTICE

It is the policy of the Cedarburg School District that no person may 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, color, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap as required by S.118.13, Wisconsin Statutes. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color, and national origin), and Section 504 of the Rehabilitation Act of 1973 (disability). All career and technical education programs, courses, and related activities are open to all students. Those wishing to file a complaint can contact the District Superintendent at W68 N611 Evergreen Blvd. Cedarburg, Wisconsin 53012, (262) 376-6100.

GUIDELINES & POLICIES

SCHEDULING PROCEDURES

The Cedarburg School District believes that it is in the best interest of its students to experience the diversity and quality of the Cedarburg High School curriculum, which permits students to choose a high-quality educational program.

In December, Cedarburg School District students in grades eight through eleven begin the course selection process for the following school year. This process involves a presentation of course offerings, recommendations from teachers, and consideration for students' Academic & Career Plans. Initial course requests are due in January; students may view and finalize course requests in May.

Course Load Requirements

All students in grades nine through twelve shall be enrolled in a minimum of three and one-half (3.5) credits each semester for a total of seven (7) credits per year. Students who return to school for a ninth semester or more need not fulfill this enrollment requirement.

A typical course load is seven (7) credits with a maximum of eight (8) credits. Students with three (3) or more AP courses must maintain a minimum of six (6) credits.

Other exceptions to these minimum and maximum credit loads must be cleared through the Counseling Office; a further appeal is available through the principal. Each student must be enrolled in a class, study hall, or approved activity each hour of each class day. (po 5200.01)

Schedule Changes

The course schedule matrix is intentionally designed to provide balanced class sizes, opportunities for teacher collaboration, and to create the best possible learning environment for students. Once the schedule is established, changes to individual schedules must adhere to the integrity of this design.

- A student has until the fifth day of the semester to change, add or drop a course, as the schedule and class sizes allow.
- If a student is enrolled in eight (8) credits, the student has until the fourth week of a semester to drop one course for the purpose of adding a study hall. Dropped courses after the fourth week of the semester will result in an F grade.

Level Changes

Level changes involve discussions between teachers, school counselors, students and parents/guardians. When all parties are in agreement, students may move to a lower level course when there are multiple levels of the same course, and where space allows. The grade will follow the student when the schedule change is made.

COURSE FEES & REFUNDS

Anticipated fees are included in course descriptions in the CHS Course Guide.

Fees for courses that are dropped within the first five days of the start of the semester in which the course was originally scheduled will be fully refunded. Any additional course fees for added courses must be paid at the time of scheduling.

Advanced Placement (AP) courses have different deadlines and fees for changes and dropped courses. Please see the AP Coordinator for details.

HIGH SCHOOL CREDIT POLICIES

Students who have taken high school courses at an institution other than Cedarburg High School shall provide the district with transcripts and/or other records that demonstrate evidence of their level of academic achievement, subjects completed, credits earned and the results of standardized testing.

Transfer Students New to Cedarburg High School

Credits and grade point averages earned at another public or private high school will be accepted and treated like credits and grade point averages earned at Cedarburg High School. Cedarburg High School will record all courses and grades from the previous school, with the designated credits shown on the transcript. Religion courses taken at private high schools shall be notated on the Cedarburg High School transcript but are not given credit or factored into the grade point average.

Home-Based Private Education Program

Home-based private educational program students who transfer into Cedarburg High School and are placed at the sophomore year level or higher will be allowed six credits toward graduation for each of the years below the grade level of placement. Courses taken by students in home-based private educational programs will be recorded on the student's permanent record. Credit will only be recorded that complies with mandates of curriculum requirements for home-based private educational programs under state law or is deemed by the High School Principal to meet the criteria of an elective in the current high school *CHS Course Guide*. Home-based instruction will be recorded as credit only. Home-based grades will not be recorded on the admitting high school transcript. Grades and grade point averages from home-based private educational programs shall not be used in class standing.

Foreign Exchange Programs

The Board of Education recognizes the educational value of student foreign exchange programs. Parents/guardians, students, and school counselors must meet before a district student participates in a foreign exchange program to review plans and verify graduation requirements. The High School Principal must pre-approve the program before any credit will be granted. Upon verification that a student has participated satisfactorily in a pre-approved foreign exchange program, the High School Principal or his/her designee will:

- Award credit based upon the evaluation of the transcript and the course hours and curriculum from the participating school. If equitable, credit will be awarded in the areas of study and the amount applicable to the experience. Credits may be given for required Cedarburg High School courses.
- Award up to two credits per semester for independent study, more specifically, as a foreign cultural experience. Credits would be given in the World Language and/or Social Studies areas. These credits will be elective credits.

Students participating in pre-approved summer foreign exchange programs may receive up to one-half credit. The program must be six weeks in length or greater. Upon return, students must request the credit in writing and submit a journal or log of their experiences to the High School Principal or his/her designee. Credit will be awarded on a pass/fail basis.

All courses taken by a District student as part of a foreign exchange program will be noted on the transcript. They will not count as part of the student's grade point average or be used in class standing.

Awarding Credit for Courses by District Students at Programs Other than Cedarburg High School

- Part-Time Open Enrollment Credits Credit to be awarded toward graduation for classes taken
 by District students at other Wisconsin public high schools under the part-time public school
 open enrollment program shall be determined by the High School Principal or his/her designee
 before the student takes the course.
- Summer Courses for Credit Recovery Cedarburg High School offers a credit recovery program during summer. However, if a student chooses to take a course for credit recovery outside of Cedarburg High School, a maximum of three credits from other Wisconsin accredited, credit-granting institutions may be applied toward the required 24 credits for graduation. Prior approval from a principal-selected committee, which may include a school counselor and a department leader, must be given before a student enrolls in an educational institution or program under this section for credit. Grades from these courses will not count toward the student's grade point average. All course fees, books, materials and transportation are the responsibility of the student.

• Courses for Acceleration & Advancement — Students who wish to enroll in a course for the purpose of curriculum advancement must first seek approval from the course subject Department Chair, School Counselor and High School Principal. Successful completion of the course may result in course advancement, pending approval. Credit shall not be recorded on the high school transcript. However, students may retain course completion documentation for future educational enrollment or admissions. All course fees, books, materials and transportation are the responsibility of the student.

Advanced Courses Taken by Middle School Students

Upon successful completion of Geometry, students in 7th or 8th grade will receive one (1) elective credit toward high school graduation. The Geometry course must meet all Department of Public Instruction requirements, including the same course content and assessments, and must be taught by a math teacher whose content area license includes the ability to teach grade nine or higher. The Geometry course grade will be noted on the high school transcript but will not count in the grade point average.

Any subsequent math courses beyond Geometry taken by a 7th or 8th-grade student must be taught by a certified high school math teacher, or a comparable non-district educator, and count toward satisfying the high school math graduation requirement, and the grade will count as part of the high school grade point average.

Early College Credit Program (ECCP) and Start College Now (SCN)

Students who wish to take courses that are not offered at Cedarburg High School may apply for ECCP or SCN. Only courses that are not comparable to courses offered at Cedarburg High School will be approved by the District, with a limit of 18 college credits per pupil. If the course fulfills a high school graduation requirement, then the student earns both high school and college credit. Credit earned through ECCP or SCN will apply toward the 24 credit requirement for graduation from Cedarburg High School, and any grade earned will not be factored into the high school grade point average. Courses that do not fulfill the 24 credit requirement will not appear on the high school transcript.

GRADES

Grades are issued every quarter, but only semester grades appear on a student's transcript. To receive credit for a course, a student must earn a passing grade each semester.

Grade Point Average

A weighted 4.0 grade point average (GPA) scale is used. All attempted courses with grades of A-F are computed in the GPA.

All Advanced Placement courses, along with Calculus III, are weighted by one full grade point. Courses taken at institutions of higher education for high school credit shall not be weighted.

Class Rank

Class rank will be displayed on report cards starting in ninth grade for students in the top fifteen percent (15%) of each grade level.

Students in the top ten percent (10%) and top five percent (5%) after six (6) semesters are eligible for The Wisconsin Guarantee, which will be reflected on the high school transcript. Class rank shall not be reported on all other high school transcripts.

Grade point averages after seven (7) semesters will be used to determine graduation with honors and eligibility for the Wisconsin Academic Excellence Scholarship.

Valedictorian and Salutatorian

The designation of Valedictorian will be awarded to the qualifying student(s) with the highest grade point average.

To be eligible for Valedictorian and Salutatorian Honors, the student must:

- be a resident of the United States who is either a U.S. citizen or an alien lawfully admitted for permanent residence;
- be a Wisconsin resident as defined in 36.27 Wis. Stats.;
- have achieved senior status and have been in attendance at Cedarburg High School as a full-time student for at least three (3) consecutive semesters during their junior, and senior year(s), including participation in a District-organized foreign exchange program for no more than two (2) semesters;
- be selected based on the Cumulative Grade Point Average (GPA) using unweighted grades and weighted grades for all seven (7) semesters the student attended High School.

The designation of Valedictorian will be awarded to the qualifying student with the highest grade point average.

The scholar's GPA shall be computed to as many places past the decimal point as necessary to determine a distinction between the scholars.

In the event of a tie involving the GPAs:

- the first tiebreaker will be the highest ACT composite score from the Statewide Testing Day;
- the second tiebreaker will be the number of Advanced Placement courses taken and the AP grade point average at the end of the first semester of senior year.

ARTICULATED COURSES FOR COLLEGE CREDIT

Concurrent Enrollment

Cedarburg High School has articulated agreements with post-secondary institutions that allow our students the opportunity to earn college credit. Course offerings with articulated agreements are based on the availability of staff certified by the institution of higher education. College credit fees are the responsibility of the student/family.

Department	CHS Course	Agreement	# Credits	Est.Tuition
English	College Introduction to Public Speaking	CAPP UW-Oshkosh (Communications 111: Introduction to Public Speaking)	3	\$330
English	College Journalism	CAPP UW-Oshkosh (AMP 221: Advertising, Multimedia Journalism and Public Relations)	3	\$330
English	College Reading	CAPP UW-Oshkosh (ACAD-169)	1	\$110
Math	College Trigonometry/Precalculus	CAPP UW-Oshkosh (Math 108: Precalculus)	5	\$550
Math	College Calculus III	PIE UW-Whitewater (Math 273: Calculus III)	4	\$440
Business	College Personal Finance	CAPP UW-Oshkosh (Bus 231: Personal Finance)	3	\$330
Business	College Entrepreneurship	CAPP UW-Oshkosh (Bus 198: Introduction to Business)	3	\$330
Art	College Commercial Art/Graphic Design S1	MATC (GRDS 103: Design Elements & Principles	3	n/a
Art	College Commercial Art/Graphic Design S2	MATC (GRDS 122: Vector Graphics: Adobe Illustrator	3	n/a
Art	College Digital Photography	MATC (PHOTO 141: Photoshop® for Photographers 1)	3	n/a
FACE	Child Development 1	MATC (CHILDD 148) Foundations of Early Childhood Education	3	n/a
FACE	Child Development 2	MATC (CHILDD 151) ECE: Infant and Toddler Development	3	n/a
FACE	ProStart 2	MATC (CULMGT 112) Food Service Sanitation	2	n/a

Students that choose to enroll in the CAPP or PIE Programs with associated fees may receive high school credit, as well as transcripted credit from the institute of higher education.

- UW-Oshkosh CAPP Website
- UW-Whitewater PIE Website

Project Lead the Way

PLTW courses offer exclusive access to a variety of recognition opportunities including college credit, scholarships, preferred admission at colleges and universities, internships, apprenticeships, and other avenues. Students in PLTW courses will learn more about how to apply for articulated college credit.

Offered PLTW Courses:

Principles of Biomedical Science Introduction to Engineering Design Principles of Engineering Civil Engineering & Architecture PLTW Capstone

Advanced Placement

AP courses provide an advanced curriculum through the College Board, preparing students for AP exams administered at Cedarburg High School in May. Students earning qualifying scores on the exam are eligible for widely accepted college credits. AP exams are optional but recommended.

AP exams were priced at \$99 each in the 2025-26 school year. This is an optional fee that can be added in Skyward during the exam registration period.

Offered AP Courses:

2-D Art & Design Drawing 3-D Art & Design **English Language & Composition Art History English Literature & Composition** Biology **Environmental Science Business with Personal Finance** French Language & Culture Calculus AB German Language & Culture Calculus BC Human Geography Chemistry Macroeconomics Comparative Gov't & Politics Microeconomics Computer Science A Music Theory **Computer Science Principles** Physics C: Mechanics

Psychology
Research
Seminar
Spanish Language & Culture
Statistics
United States Gov't & Politics

Precalculus

United States History World History: Modern

CAREER READINESS

Regional Career Pathways

Participating in one of the state-certified regional career pathways allows students the opportunity to explore and prepare for careers after high school. To be considered a Wisconsin Regional Career Pathway completer, a student must participate in 3 of 4 possible career exploration elements below:

Element 1 - Complete a sequence of three Pathway Courses

Element 2 - Obtain an industry-recognized certification

Element 3 - Participate in a work-based learning experience

Element 4 - Participate in a college credit opportunity

Youth Apprenticeship

Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin Industries. YA is operated under guidelines established by the WI Department of Workforce Development. An informational meeting is held each December for interested students and their parents. An application process follows, and upon acceptance into the program, students must select related high school courses, industry-related coursework, and paid worksite learning. Students will complete 450 hours of work-based experience for a level one certification, and 900 hours for a level two certification, all of which can be completed during the school year and throughout the summer. More information can be found at Youth Apprenticeship - Cooperative Educational Service Agency 1.

Successful completion of the YA program provides each student with a certificate of occupational proficiency from the State of Wisconsin, high school credit, and advanced standing with the Wisconsin Technical College System. After graduation from high school, students can enter the workforce with enhanced employability skills, enter a technical training program or college, or enroll at a four–year university to study for a baccalaureate degree. Youth Apprenticeship Certification program areas:

Agriculture, Food & Natural Resources
Architecture & Construction
Art, Audio Visual Technology & Communications
Business Administration
Education
Finance
Government

Health Sciences

Hospitality & Tourism
Human Services
Information Technology
Law, Public Safety, Corrections & Security
Manufacturing
Marketing
Science, Technology, Engineering & Mathematics
Transportation, Distribution & Logistics

Industry Recognized Certification Opportunities

The following certifications can be earned through coursework and successful completion of certification exams:

A*S*K Certification - Fundamental Business Concepts

- CHS Course: Business Enterprise
- Department: Business & Information Technology

Autodesk Certified User - Fusion 360 (Certiport Certification)

- CHS Courses: Introduction to Engineering Design, Principles of Engineering
- Department: Technology & Engineering
- Additional opportunity through the CHS Robotics Team

Autodesk Certified User - Revit (Certiport Certification)

- CHS Course: Civil Engineering and Architecture
- Department: Technology & Engineering

Briggs & Stratton Corporation - Master Service Technician

- CHS Course: Small Engines II
- Department: Technology & Engineering

Haas - Basic Mill Operator Certification

- CHS Course: Automated Manufacturing Technologies
- Department: Technology & Engineering

National Restaurant Association - ProStart

- CHS Courses: ProStart I & ProStart II
- Department: Family & Consumer Science

Microsoft Office Specialist (MOS) Certification

- CHS Course: Microsoft Office
- Department: Business & Information Technology

Woodwork Career Alliance - Core Credential: Sawblade

- CHS Courses: Wood Technologies II, Wood Technologies Design Capstone
- Department: Technology & Engineering

Other Certifications

National Restaurant Association - ServSafe

- CHS Courses: Beginning Foods, International Foods or ProStart I
- Department: Family & Consumer Science

American Heart Association - Adult CPR & AED

- CHS Courses: Health, Lifetime Wellness
- Department: Physical Education

American Red Cross - Lifeguarding (including Deep Water) with CPR/AED for Professional Rescuers and First Aid

- CHS Course: Lifeguard Training
- Department: Physical Education

MATC: Dual Enrollment Academy

The Dual Enrollment Academy (DEA) at Milwaukee Area Technical College (MATC) offers college-level training to begin careers in high-demand fields. Throughout their senior year of high school, DEA students earn high school and college credits while spending the majority of their school day, both fall and spring semesters, at MATC. Students who successfully complete the program receive both a Cedarburg High School Diploma and credit from MATC.

CAREER INTERNSHIP 7500

Credit: ½ or 1 Levels: 11 & 12 PREREQUISITE: Counselor Approval

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course provides an opportunity for motivated juniors and seniors to gain practical, voluntary experience in a potential career field. Students secure unpaid placements in classrooms, nonprofit organizations, or local businesses. This course combines hands-on work with classroom learning, focusing on essential professional development in areas such as soft skills, interviewing techniques, and career exploration. Participants refine employment skills like effective communication, punctuality, and resume building through weekly meetings with an advisor and monthly classroom sessions. Enrollment requires counselor approval and a confirmed internship placement prior to the semester start.

Work Release

Work Release is a supervised school-to-work program, but students are responsible for obtaining their employment. Contracts are established with administration, the student, their employer, and parents/guardians. Students must provide documentation to demonstrate an average of 15 hours of work per week and are evaluated quarterly based on worksite performance. Upon completion of an application and employer verification Work Release is scheduled in addition to the minimum seven credit requirement. Grades are satisfactory/unsatisfactory and are not included in the grade point average.

GRADUATION REQUIREMENTS

Half-credit courses meet every other day for one semester. One-credit courses meet every other day for the entire school year (two semesters). Credit will be given by semester for classes satisfactorily completed. No credit will be awarded for courses in which a failing grade is earned.

High School Graduation Requirements

A student must earn a minimum of 24 credits, including the credit requirements set by State statute, to be eligible to receive a diploma, provided all other requirements as determined by the State and the Board are met. The Board requires the following credit requirements for a diploma:

English: 4 credits

• Mathematics: 3 credits

• Science: 3 credits

• Social Studies: 3 credits

• Health: 0.5 credits

Physical Education: 1.5 credits

Personal Financial Literacy: 0.5 credits*

• Electives: 8.5 credits

Specific course requirements in the areas listed above are outlined in each department section within the CHS Course Guide.

*Note: to meet the financial literacy requirement for graduation, seniors in the classes of 2025, 2026 and 2027 must select one of the following courses:

- Personal Finance
- College Personal Finance
- Economics
- AP Economics

All seniors in the Class of 2028 and following years will take *Personal Finance or College Personal Finance* to fulfill this requirement. (po5460)

Early Graduation

The Cedarburg High School educational program is designed to be completed in four years or eight semesters. However, students may request to graduate after six or seven semesters, per approval from the High School Principal. Students may begin the request process by meeting with their School Counselor to verify credit eligibility and following the steps in the Early Graduation Request Form.

Students approved for Early Graduation may participate in the graduation ceremony of the original graduating class and will receive a diploma at the end of the school year. If graduation requirements are not completed by the proposed date of early graduation, the student must carry enough credits during the following term to be in compliance with board policy (po5464).

GLOBAL SCHOLARS PROGRAM

Cedarburg High School students who wish to obtain the Wisconsin Certificate of Global Competence may qualify for this credential that serves as a college, career, and community readiness talent marker recognizing students' language, intercultural and global competence by fulfilling the following requirements:

- Eight (8) credits of coursework with a global focus, including four (4) credits in a single world language.
- Independent reviews or reflections on at least eight (8) works of global/cultural media, including at least four books (fiction or nonfiction). Other media may include films, podcasts, music, and art exhibitions.
- Participation and leadership in at least four (4) co-curricular and other school-sponsored activities.
- A minimum of twenty (20) hours of global service learning.

See the CHS Global Scholars website for more information.

2026-2027 CEDARBURG HIGH SCHOOL COURSES BY DEPARTMENT

BUSINESS & INFORMATION TECHNOLOGY

Grade 9	Grade 10	Grade 11	Grade 12
Business Enterprise			
Gr. 9-12, 1 credit			
Digital Media Gr. 9-12, 1 credit			
Accounting Gr. 9-12, 1 credit			
Microsoft Office Gr. 9-12, .5 credit			
Desktop Publishing Gr. 9-12, .5 credit			
	Leadership Gr. 10-12, .5 credit		
	Sports & Entertainment Gr. 10-12, .5 credit	t Management	
		College Entrepreneurship Gr. 11-12, .5 credit #	
		Career Internship Gr. 11-12, .5 or 1 credit	
		Digital Publications Gr. 11-12, 1 credit	
		College Personal Finance Gr. 11-125 Credit #	
		AP Business and Personal Gr. 12, 1 Credit	Finance

KEY: Prerequisite, No Prerequisite, # = College Credit Available

MICROSOFT OFFICE

7210

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This introductory course, open to all high school students, focuses on developing practical, transferable skills vital for the modern workforce and advanced academics. Students will learn to efficiently format and key professional Word documents, organize and analyze data using complex formulas in Excel spreadsheets, and create visually engaging presentations in PowerPoint. Emphasizing the enduring understanding that proper formatting and technology skills are essential for producing quality work, this is also a Certiport certification course, offering a credential that validates Microsoft Office proficiency. This hands-on experience ensures students can communicate data effectively and generate complex, professional documents.

DESKTOP PUBLISHING

7230

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course is designed to introduce the core concepts of desktop publishing, build confidence, and significantly improve skill in creating compelling publications using the industry-standard Adobe InDesign software. Students will progress through hands-on projects, learning to design and format professional materials such as flyers, business cards, magazine covers, and banners. Key learning involves understanding professional publication principles, exploring effective color use, implementing proper typography, and applying ethical standards for graphics. By contributing to real-world print jobs for the school and community, students gain practical experience in an evolving field where creativity, critical thinking, and technology skills are essential for success.

DIGITAL MEDIA

7260

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$20 for video and audio equipment rental

COURSE DESCRIPTION: This hands-on course empowers students to become responsible, skilled creators by exploring the full cycle of digital storytelling. Students will master professional production and editing hardware and software to create projects such as digital shorts, live media broadcasts, and podcasts. The curriculum emphasizes using intellectual property ethically, translating complex information for diverse audiences, and manipulating media responsibly to effectively tell a story. Students gain critical experience that builds communication skills essential for the rapidly evolving digital landscape by contributing to real-world projects.

DIGITAL PUBLICATIONS

7280

Credit: 1 Levels: 11 & 12

PREREQUISITE: Desktop Publishing (7230) and Digital Media (7260) or instructor approval

APPROXIMATE FEES: \$20 for video and audio equipment rental

COURSE DESCRIPTION: This advanced, project-based course challenges students to apply and extend their digital media and desktop publishing skills to create professional-quality products for real-world audiences. Students gain hands-on experience by producing a wide variety of content, including the school yearbook, live-streaming sports events, interviews and podcasts, and graphic designs for local organizations. Beyond technical production, students also explore the entrepreneurial side of the industry, developing critical skills in content marketing, managing a social media presence, and creating products for sale to the community. This course is perfect for students ready to build a comprehensive portfolio and gain essential, career-ready experience in the media landscape.

ACCOUNTING 7330

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$5.00 for project materials

COURSE DESCRIPTION: This course teaches students to think critically and systematically organize, maintain, and interpret financial records. Students will master the principles of double entry accounting, the accounting equation, and the use of journals and ledgers through hands-on activities, including a service business sole proprietorship and a merchandising business organized as a partnership. Applying these skills through Excel, virtual simulations, and practical managerial accounting experience with the school store and concession stand provides an electronic application of core concepts. This course culminates with a full corporation simulation, preparing students to analyze and interpret financial statements to determine the health of a business.

COLLEGE ENTREPRENEURSHIP

Levels: 11 & 12

PREREQUISITE: None

Credit: 1/2

APPROXIMATE FEES: \$6.00 for project materials

NOTE: Students with a grade point average of at least 2.75 are eligible to enroll in CAPP for three

(3) transcripted college credits. College credits are offered at a reduced rate.

COURSE DESCRIPTION: This class provides broad exposure to the essential functions of a modern business, covering everything from economics and management to marketing, finance, and global trade. Students will develop critical-thinking skills by analyzing real-world ethical and legal issues, culminating in the creation of a comprehensive business plan for a venture they design. Furthermore, eligible students with a 2.75 cumulative GPA have the valuable option to earn three college credits through the UW-Oshkosh CAPP program, providing a significant head start on their academic journey. No prior prerequisite is required for enrollment.

BUSINESS ENTERPRISE

7611

7410

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$5.00 for project materials

COURSE DESCRIPTION: This course is designed to provide a basic understanding of the essential elements of business, including marketing, promotion, entrepreneurship, economics, leadership, communication and ethics. The course will also introduce students to the fundamental management functions, including planning, organizing, implementing, and controlling. Students will complete small group projects, including cereal box creation and social responsibility. Students will facilitate a competition of selling food during lunch to raise money for the Business Department scholarships. The capstone project for the course challenges students to manage their own restaurant via Virtual Business Restaurant Simulation. Students may also take a field trip to learn more about different careers within this business industry.

SPORTS AND ENTERTAINMENT MANAGEMENT 7621

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This is a specialized course for students with a career interest in the fields of sports and entertainment. This course provides students with marketing, sales, promotions, communications, and management competencies through a project-based approach. Students will also participate in running a high school event. Depending on the season, students will participate in fantasy football or baseball. Throughout the course students will analyze return on investment of their fantasy teams. Students will also develop a sports franchise from strategic location, stadium design, marketing of team merchandise, logos, and uniform design.

Credit: 1 Level: 11 & 12

PREREQUISITE: Business Enterprise (7611) and College Personal Finance (7510- Can be

Concurrent)

APPROXIMATE FEES: Students may take the AP exam for an additional fee.

Note: This course does not satisfy the personal finance course requirement.

COURSE DESCRIPTION:

This college-level curriculum is equivalent to a full year of introductory coursework, providing students with broad exposure to entrepreneurship, marketing, finance, and accounting. Students apply these disciplines through real-world case studies and project-based learning to analyze markets, develop business strategies, and understand fundamental business structures. The personal finance component focuses on practical application, including budgeting, saving, borrowing, and investing for major life goals such as postsecondary education and retirement. This course ultimately equips students with the core financial literacy and professional decision making skills valued by colleges and employers.

COLLEGE PERSONAL FINANCE

7510

Credit: 1/2 Level: 11 & 12

REQUIRED COURSE: None APPROXIMATE FEES: None

NOTE: Students with a grade point average of at least 2.75 are eligible to enroll in CAPP for three

(3) transcripted college credits. College credits are offered at a reduced rate.

COURSE DESCRIPTION: This is a comprehensive course designed to equip students to become informed consumers and effective money managers. This essential course fulfills the Wisconsin Act 60 Personal Financial Literacy Requirement while providing practical, real-world instruction on topics like Budgeting, Saving and Investing, Taxes, and managing Credit. Students learn that personal financial decisions are based on personal goals and that financial independence begins early. This is an opportunity for students with a 2.75 cumulative GPA to earn three college credits through the UW-Oshkosh CAPP program (Business 231: Personal Finance).

LEADERSHIP 7520

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course balances in-class activities with real-world school and community projects to improve valuable leadership abilities. Students study core topics such as Team Building, Communication strategies, Conflict Resolution, and Ethics. Through engaging group work, participants learn to analyze situations, motivate teams, and execute a systematic approach to problem-solving, going beyond perceived boundaries to experience both individual and group success.

COMPUTER SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Block-Based Prog Gr. 9-12, .5 credit	ramming		
Intro to Text-Based Progra Gr. 9-12, .5 credit	amming		
AP Computer Science Prin Gr. 9-12, 1 credit	nciples		
Physical Computing Gr. 9-12, .5 credit			
Game Design Gr. 9-12, .5 credit			
		Cybersecurity Gr. 11-12, .5 credit	
		AP Computer Science A Gr. 11-12, 1 credit	

KEY: Prerequisite, No Prerequisite, # = College Credit Available

INTRODUCTION TO BLOCK-BASED PROGRAMMING

2610 Levels: 9, 10, 11 & 12

PREREQUISITE: None

Credit: 1/2

APPROXIMATE FEES: None

COURSE DESCRIPTION: This introductory course provides an engaging and supportive environment for students to learn block-based coding languages. Students will gain hands-on experience using online programming environments like Code.org's App Lab and Game Lab to develop personalized, interactive projects, including animations and games, while practicing design, testing, and iteration. By breaking down complex problems and utilizing simple constructs, students will understand essential concepts such as control structures, variables, functions and user input, establishing a critical technological skillset. This course is a great start for future studies in computer science and software development.

INTRODUCTION TO TEXT-BASED PROGRAMMING

Credit: 1/2 Levels: 9, 10, 11 & 12

PREREQUISITE: Intro to Block-Based Programming (2610) or instructor approval; Algebra 1

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course offers students with basic coding experience an essential introduction to text-based programming using the Java language and a start to object oriented approach. Students will learn foundational programming structures such as various data types, mathematical operations, methods, and the critical use of conditional statements and loops to enable decision making within a program. The curriculum emphasizes breaking down complex problems into manageable pieces and utilizing an iterative development process that includes investigation, design, and testing. Ultimately, students apply their Java skills within the processing development environment to design and develop their own interactive visual applications, culminating in a final animation or game project.

PHYSICAL COMPUTING

2622

2620

Levels: 9, 10, 11 & 12 Credit: 1/2

PREREQUISITE: Intro to Text-Based Programming (2620) or AP Computer Science Principles

(2629)

APPROXIMATE FEES: None

COURSE DESCRIPTION: In this project-based introduction course to Physical Computing, students will learn to write Python code to control and interact with robots, wearable devices, and Internet of Things (IoT) sensors. The curriculum introduces fundamental Python programming structures, including syntax, control statements, and loops, before applying these skills to command physical hardware for lights, sound, and autonomous movement. The course culminates in an in-depth Capstone Project where students define a real-world problem and use the iterative design process to create and present their own computational solution.

GAME DESIGN 2623

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: Intro to Text-Based Programming (2620) or AP Computer Science Principles

(2629)

APPROXIMATE FEES: None

COURSE DESCRIPTION: In this course, students learn the fundamentals of Game Design using the powerful Unity development platform. The first half of the course focuses on hands-on skill development, teaching students to apply the C# programming language to design, place, and make virtual objects dynamic and interactive. Key learning outcomes include mastering player movement, implementing core gameplay mechanics like power-ups, and integrating crucial features such as animation, sound, and a user interface. The second half culminates with an in-depth final project where each student designs and develops their own complete game to be presented at the end of the course.

CYBERSECURITY 2624

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: Intro to Text-Based Programming (2620) or AP Computer Science Principles

(2629)

APPROXIMATE FEES: None

COURSE DESCRIPTION: In this course students will learn the tools and concepts necessary to protect digital privacy and computing resources against attack. Students will actively solve problems by understanding and closing vulnerabilities in computational systems, emphasizing the importance of ethical computing behavior and the CIA triad of confidentiality, integrity, and availability. Key units explore Authentication methods, the evolution of Classic and Modern Cryptography, and methods of Data Security like defending against SQL and JavaScript injections. This course provides a comprehensive overview of how security shapes and is shaped by historical events, preparing students to compete in available cybersecurity competitions

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES 2629

Credit: 1 (weighted grade) Levels: 9, 10, 11 & 12

PREREQUISITE: Algebra 1 APPROXIMATE FEES: None

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This AP-level course introduces students to the central ideas of computer science. Students will work collaboratively to explore core topics of programming, algorithms, the Internet, big data, digital privacy, security, and the societal impacts of computing. Key outcomes include learning the programming language JavaScript and using it to analyze data models and solve real-world problems.

Credit: 1 (weighted grade)

Levels: 11 & 12

PREREQUISITE: Intro to Text-Based Programming (2620) or AP Computer Science Principles

(2629)

APPROXIMATE FEES: None

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This AP course mirrors a first-semester college computer science curriculum. Students will cultivate a deep understanding of programming by reading, analyzing, writing, and testing code using the Java programming language. Key concepts explored include control structures, class design, and arrays. The primary goal is to empower students to design and develop robust algorithms and applications, write and implement program code, and meticulously analyze and document its functionality.

ENGLISH

Grade 9	Grade 10	Grade 11	Grade 12
Comp/Lit 9			
Gr. 9, 1 credit	ļ		
Honors Comp/Lit 9 Gr. 9, 1 credit			
College Intro to Public S Gr. 9-12, .5 credit #	Speaking		
Intro to Theatre Gr. 9-12, .5 credit			
Acting Gr. 9-12, .5 credit			
College Journalism Gr. 9-12, .5 credit #			
College Reading Gr. 9-12, .25 credit #			
	Comp/Lit 10		_
	Gr. 10, 1 credit Honors Comp/Lit 10		
	Gr. 10, 1 credit		
		Comp/American Lit 11 Gr. 11, 1 credit	
		AP Language & Comp.	
		Gr. 11, 1 credit	
		AP Seminar Gr. 11, 1 credit	
			Creative Writing Gr. 12, .5 credit
			Mystery & Suspense
			Gr. 12, .5 credit
			Myth, Fantasy & Dyst Gr. 12, .5 credit
			Film as Literature Gr. 12, .5 credit
			Adventure & Survival Gr. 12, .5 credit
			AP Literature & Comp. Gr. 12, 1 credit
			AP Research Gr. 12, 1 credit

COMPOSITION/LITERATURE 9

Level: 9

REQUIRED COURSE: This course or Honors Composition/Literature 9 (1130)

PREREQUISITE: None

Credit: 1

APPROXIMATE FEES: \$10 for Student Vocabulary Book

COURSE DESCRIPTION: This foundational course explores both literary and nonfiction texts. Students will analyze a variety of genres, including novels, poetry, short stories, and drama, to understand how authors use intentional choices like word choice and rhetorical devices to achieve a specific purpose. The curriculum progressively develops writing skills, moving from advanced sentence structure to cohesive essay writing, and includes practical training in research and source citation. Students will enhance their vocabulary through the etymological study of word roots and stems, as well as through participation in effective collaborative discussions. This course provides the essential skills for analyzing complex texts and communicating clearly for diverse audiences and purposes.

HONORS COMPOSITION/LITERATURE 9

1130

1110

Credit: 1 Level: 9

REQUIRED COURSE: This course or Composition/Literature 9 (1110)

PREREQUISITE: None

APPROXIMATE FEES: \$10 for Student Vocabulary Book

COURSE DESCRIPTION: This course teaches the essential skills of critical analysis and persuasive communication at an accelerated, college-preparatory pace. This rigorous curriculum integrates advanced study of literary works with intensive training in the complete writing process and effective public speaking. Students will engage in sophisticated analysis of various genres, including novels, drama, and poetry, while progressively mastering complex writing structures for cohesive, well-researched essays. The course includes an accelerated etymological study of word stems and roots and requires a greater depth of independent literary analysis compared to the standard track. Successful completion of this demanding course lays the foundation for advanced English study throughout high school.

COMPOSITION/LITERATURE 10

Level: 10

REQUIRED COURSE: This course or Honors Composition/Literature 10 (1230)

PREREQUISITE: None

Credit: 1

APPROXIMATE FEES: \$10 for Student Vocabulary Book

COURSE DESCRIPTION: In this course students learn how to analyze complex ideas and articulate persuasive arguments in this comprehensive literature and writing course. Students will engage with a variety of texts, poetry, and persuasive nonfiction to explore major themes such as Resilience and Perseverance and Power and Influence. The curriculum integrates the development of core communication skills, requiring students to produce various essays including research-based informative and literary analysis as well as deliver a persuasive speech. Instruction also emphasizes effective use of grammar, applying punctuation, and expanding vocabulary through the study of word stems.

HONORS COMPOSITION/LITERATURE 10

1230

1220

Credit: 1

REQUIRED COURSE: This course or Composition/Literature 10 (1220)

PREREQUISITE: None

APPROXIMATE FEES: \$10 for Student Vocabulary Book

Level: 10

COURSE DESCRIPTION: This accelerated course of literature and language is designed for diligent students with excellent study skills. This honors-level course integrates intensive reading and writing, using selections from classic and modern authors like Shakespeare and Sophocles to explore powerful themes such as Power and Influence and Justice and Redemption. Key projects include a comprehensive research paper and a cited literary analysis, supported by continued study of grammar, usage, and vocabulary roots for improved writing clarity and style. Successfully meeting the challenge of this course prepares students for AP English Language and Composition.

THE FOLLOWING COURSES SATISFY THE 11TH GRADE ENGLISH CREDIT REQUIREMENT: 1320, 1340, 1590

COMPOSITION/AMERICAN LITERATURE 11

1320

Credit: 1 Level: 11 PREREQUISITE: None

APPROXIMATE FEES: \$18 for license for online vocabulary program

COURSE DESCRIPTION: This course examines the evolving American identity through a thematic study of American Literature, from the colonial period through the twentieth century. This course pairs the analysis of significant American novels, poems, and essays with an intensive focus on improving writing, speaking, and listening skills. Students will develop foundational writing elements, including the ability to conduct and integrate research and deliver effective oral presentations. The curriculum addresses grammar, usage, and punctuation through ACT-aligned practice and application, ensuring students master the composition skills necessary for college and career readiness.

ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION

1340

Credit: 1 (weighted grade) Level: 11

PREREQUISITE: None

APPROXIMATE FEES: \$18 for license for online vocabulary program

NOTES: This course requires completion of a summer assignment; Students may take the AP

exam for an additional fee.

COURSE DESCRIPTION: This course focuses on developing college-level critical reading and writing skills and is focused on rhetoric and non-fiction analysis. Students will read and analyze complex arguments and persuasive techniques found in essays, speeches, and other non-fiction works from various periods and contexts. The curriculum emphasizes the process of argumentation, training students to closely evaluate sources, gather evidence, and write evidence-based arguments with different aims, such as explaining an idea or persuading a reader. By the end of the course, students will be proficient in drafting, revising, and developing a complex argument and employing a variety of discourse methods for a diverse array of audiences.

Credit: 1 (weighted grade)

Level: 11

PREREQUISITE: Students must have taken or be concurrently enrolled in another AP Course APPROXIMATE FEES: \$18 for license for online vocabulary program

NOTES: This course requires completion of a summer assignment; Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: In this course, students engage in cross-curricular conversations that explore the complexities of academic and real-world topics by analyzing diverse perspectives. This foundational AP Capstone course develops students' abilities to synthesize information from multiple sources, practice an inquiry framework, and ultimately craft evidence-based arguments. Students practice reading and analyzing research studies, literary texts, and philosophical texts, as well as listening to and viewing speeches, artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course equips students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

AP Seminar is a prerequisite for AP Research. Students who wish to take AP Research as a senior need to take AP Seminar as a junior. College Board's AP Capstone Diploma is granted to students who earn scores of three or higher in AP Seminar and AP Research and on four additional AP exams of their choosing. The AP Seminar and Research Certificate is granted to students who earn scores of three or higher in both AP Seminar and AP Research.

THE FOLLOWING COURSES SATISFY THE 12TH GRADE ENGLISH CREDIT REQUIREMENT: 1440, 1422, 1500, 1505, 1510, 1515, 1520, 1525, 1530, 1595

ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION

Credit: 1 (weighted grade)

Level: 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTES: This course requires completion of a summer assignment; students may take the AP

exam for an additional fee.

COURSE DESCRIPTION: This course is a college-level study of imaginative literature including fiction, poetry, and drama from various periods and cultures. This rigorous AP-level course develops students' ability to close-read and analyze literary works by focusing on how an author's intentional use of literary elements and techniques creates meaning. The curriculum requires students to read closely, draw conclusions from details, and craft insightful written arguments that interpret texts and make an evidence-based case for their interpretation. By the end of this course, students will be proficient in both literary analysis and high-level expository writing.

FILM AS LITERATURE 1500

Credit: ½ Level: 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course examines the powerful medium of cinema through a rigorous literary framework. Students will move beyond simple viewing to conduct a sophisticated analysis of how film artists use techniques like subtext, allegory, and symbolism to explore complex, demanding themes. The curriculum focuses intensively on literary analysis, teaching students how to develop a strong thesis, effectively organize ideas, and accurately cite textual evidence from film and nonfiction sources. This course is designed to sharpen critical reading skills, strengthen argumentation, and elevate students' ability to interpret any text, regardless of its medium.

MYSTERY & SUSPENSE

1505

Credit: ½ Level: 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course hones critical reading and close analysis skills using a literary framework. Students examine a variety of mentor texts, including classic Gothic literature and contemporary mystery novels, to understand how professional writers purposefully manipulate elements like plot and mood. Students will practice essential writing craft and technique by analyzing how authors create suspense, develop complex characters, and utilize setting to establish a compelling atmosphere. The curriculum integrates independent research on a self-selected topic and sharpens public speaking skills through the presentation of findings. Students apply these skills by crafting their own original short and extended narrative writing projects.

COLLEGE JOURNALISM

1510

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$32.00 for online access to Associated Press Stylebook

NOTES: This course counts as an elective unless taken as a 12th grade student. Students with a grade point average of at least 2.75 are eligible to enroll in CAPP for three (3) transcripted college credits. College credits are offered at a reduced rate.

COURSE DESCRIPTION: This college-level course provides students with a foundation in writing for media. Students will study several topics related to journalism, including the evaluation of news; the style and structure of news stories, features and opinion pieces; interviewing, research and presentation skills; ethical considerations; and legal issues. Students who enroll in this course benefit from refining their writing skills in forms and styles appropriate for the audiences and purposes they serve. They will also receive instruction and opportunities to practice speaking and listening skills when interviewing, reading skills while researching background information for a story, research skills while preparing to interview or write, and technology skills while putting the final product in a published format. Students will also have the opportunity to write for the *Common Sense* school newspaper, an extracurricular activity. Students interested in pursuing a leadership role on the newspaper staff should take this class as freshmen or sophomores.

MYTHOLOGY, FANTASY, & DYSTOPIA

1515

Credit: ½ Level: 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Students in this course explore the mythology of various global cultures and observe how these ancient stories function and evolve in modern life. This semester-long course begins with a study of Greek/Roman, African, and Native-American myths before transitioning to an exploration of the related Speculative Fiction genre, including Fantasy, Science Fiction, and Dystopian works. Students will strengthen their reading and analytical skills through the close examination of these texts, developing a deep understanding of how literature both shapes and is shaped by society and historical context. This course is ideal for students interested in the enduring power of narrative across different genres and cultures.

CREATIVE WRITING

1520

Credit: ½ Level: 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course engages students in the creative writing process across a range of genres. Students will learn how to use language more effectively by closely studying the work of published authors to model techniques for powerful communication. The curriculum emphasizes the application and modification of the conventions of language to communicate ideas effectively to a target audience. Key projects include hands-on writing, revising, and workshopping in the forms of poetry, short stories, drama, and creative nonfiction. This collaborative class offers an invaluable opportunity to develop individual style and build a comprehensive portfolio of polished creative work.

ADVENTURE & SURVIVAL NONFICTION 1525

Credit: ½ Level: 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course explores the limits of human endurance by investigating the physical, psychological, social, and spiritual aspects of survival using compelling nonfiction texts and documentaries. This semester-long course centers on contemporary and classic adventure tales from Antarctic exploration to a memoir about life with chronic illness where students examine what drives individuals to take incredible risks. Writing assignments focus on developing strong personal narratives, synthesis pieces, and evidence-based arguments that directly engage with the course's essential questions. By analyzing the genre, students will sharpen their ability to interpret complex themes and articulate their insights across various sophisticated writing forms.

COLLEGE INTRODUCTION TO PUBLIC SPEAKING

Levels: 9, 10, 11 & 12

PREREQUISITE: None

Credit: 1/2

APPROXIMATE FEES: None

NOTES: This course counts as an elective unless taken as a 12th grade student. Students with a grade point average of at least 2.75 are eligible to enroll in CAPP for three (3) transcripted college credits. College credits are offered at a reduced rate.

COURSE DESCRIPTION: This college level course teaches the essential skill of effective public speaking. Students will focus on the principles necessary to successfully construct, research, and communicate ideas and positions to diverse audiences. The curriculum provides hands-on practice in writing and delivering presentations that are organized, audience-centered, and logically sound, with a heavy emphasis on preparation and active practice to build confidence. Learning objectives include refining the ability to critique and analyze the speeches of others, ensuring students leave the course able to successfully convey their message in any professional or academic setting.

ADVANCED PLACEMENT RESEARCH

1595

1530

Credit: 1 (weighted grade) Level: 12

PREREQUISITE: AP Seminar (1590)

APPROXIMATE FEES: None

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: In this second course in the AP Capstone experience, students embark on a scholarly journey that allows students to design, plan, and execute a yearlong investigation into a topic of their choosing. As the second course in the AP Capstone program, AP Research builds on AP Seminar skills, focusing intensely on research methodology and ethical scholarly practices. Students will refine their ability to access, analyze, and synthesize complex information, culminating in a 4,000–5,000 word academic paper and an oral defense of their work. This is a highly independent course designed to prepare students for the rigorous demands of college-level academic research.

AP Seminar is a prerequisite for AP Research. Students who wish to take AP Research as a senior need to take AP Seminar as a junior. College Board's AP Capstone Diploma is granted to students who earn scores of three or higher in AP Seminar and AP Research, and on four additional AP exams of their choosing. The AP Seminar and Research Certificate is granted to students who earn scores of three or higher in both AP Seminar and AP Research.

THE FOLLOWING COURSES COUNT AS ELECTIVE CREDIT AND DO NOT SATISFY REQUIRED ENGLISH CREDITS: 1550, 1570, 1600

INTRODUCTION TO THEATRE 1550

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This is an elective course and does not satisfy the four-credit English requirement.

COURSE DESCRIPTION: In this comprehensive survey course, students will explore many different aspects of theatrical production, from performance techniques to technical design. The curriculum emphasizes the art of acting, covering methods like character development, scene study, and improvisation. Students also gain a working knowledge of technical production, learning about set and light design, costuming, and makeup. By studying theatre literature and history, students will develop discipline as performers and become informed, critical audience members.

ACTING 1570

Credit: ½ Levels: 9, 10, 11 & 12 PREREQUISITE: Introduction to Theatre (1550)

APPROXIMATE FEES: None

NOTE: This is an elective course and does not satisfy the four-credit English requirement.

COURSE DESCRIPTION: This course provides a more advanced study of performance, building on the fundamentals from Introduction to Theatre. Students explore various acting techniques and theories, including Stanislavski and Meisner, while refining vocal control, movement, and script analysis. The curriculum is structured around performance and critical history, progressing through units like Partner Work and Ensemble Building, Greek Theatre, Medieval Theatre, and Elizabethan Theatre, culminating in a focus on Improvisation. Practical application includes performing improvisational scenes, monologues, duets, and longer works, demanding high levels of discipline and collaborative teamwork. This rigorous exploration helps students understand acting as a cooperative art that provides a vital window into humanity and diverse cultures.

COLLEGE READING

1600

Credit: 1/4 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: Students with a grade point average of at least 2.75 are eligible to enroll in CAPP for one

(1) transcripted college credit, which is offered at a reduced rate.

COURSE DESCRIPTION: Students in this course gain the essential reading and study skills critical for success in a college-level academic environment. This course is designed as a blended format, allowing students to work at their own pace using Canvas while meeting weekly with the adjunct instructor. The curriculum focuses on strategies to improve comprehension, processing, and memory, using excerpts from actual UW-Oshkosh college textbooks in subjects like Biology and Psychology for practice. Key units cover Time Management, effective Reading and Note Taking methods, test-taking strategies, and vocabulary development.

FAMILY & CONSUMER SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12
Interior Design Gr. 9-12, .5 credit			
Fashion Sewing			
Gr. 9-12, .5 credit			
Advanced Fashion Sew Gr. 9-12, .5 credit	ing		
Health Careers Gr. 9-12, .5 credit			
Beginning Foods Gr. 9-11, .5 credit			
	International Foods Gr. 10-12, .5 credit		
	Prostart 1 Gr. 10-12, 1 credit		
		Prostart 2 Gr. 11-12, 1 credit	
	Child Development 1 Gr. 10-12, .5 credit		
	Child Development 2 Gr. 10-12, .5 credit		

KEY: Prerequisite, No Prerequisite, # = College Credit Available

FASHION SEWING

7710

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$9.00 for sewing tools

COURSE DESCRIPTION: In this course, students explore the art of creating personal apparel and accessories, a course designed for any student interested in clothing construction, with no prior sewing experience required. Students will master fundamental construction principles, learn to read complex commercial patterns, and become proficient in the proper use of sewing machines and specialized equipment. The curriculum covers a broad range of topics, including clothing history, fabric selection, and textile characteristics, and current fashion trends. Students will transform their theoretical knowledge into tangible, functional garments through hands-on projects, fostering an understanding that clothing reflects individuality and that fashion is a vibrant art form.

ADVANCED FASHION SEWING

7720

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: Fashion Sewing (7710)

APPROXIMATE FEES: \$9.00 for sewing tools

NOTE: Students may repeat this course to enhance their sewing skills.

COURSE DESCRIPTION: Students in this course continue their development of specialized clothing construction skills in this advanced course, which requires Fashion Sewing as a prerequisite. Students focus on intermediate-level techniques for apparel production and garment creation, reinforcing the understanding that fashion is an art form using the human figure as its canvas. The curriculum provides an in-depth review of advanced topics such as pattern alterations, selecting appropriate fabric for complex designs, and mastering specialized pre-construction and sewing techniques. Furthermore, the course explores the business aspects of the fast-paced fashion industry and the numerous career opportunities available to skilled professionals. Through a series of self-selected advanced sewing projects, students will expand their skills in constructing quality, personalized apparel.

BEGINNING FOODS

7750

Credit: ½ Levels: 9, 10 & 11

PREREQUISITE: None

APPROXIMATE FEES: \$50.00 for lab supplies

COURSE DESCRIPTION: This course introduces students to their culinary journey by mastering the essential techniques used in food preparation and safety. This introductory course focuses on developing critical skills in kitchen safety, proper sanitation, and fundamental measuring and preparation principles. The hands-on curriculum features frequent group cooking labs where students apply these principles to prepare a diverse range of items. Units explore various baked goods like yeast breads and cakes, alongside preparing salads and vegetables, while also addressing concepts like healthy modifications and efficient time management. Through this rigorous, practical application, students gain the foundational knowledge and teamwork skills necessary for successful home cooking and potential future food service endeavors.

INTERNATIONAL FOODS

7780

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Beginning Foods (7750)

APPROXIMATE FEES: \$50.00 for lab supplies

COURSE DESCRIPTION: This semester-long course that expands culinary expertise through frequent, hands-on labs. Students will delve into the history, customs, and unique preparation techniques of foods from diverse regions, including the Mediterranean, Europe, Asia, Latin America, and North America. This coursework emphasizes that cuisine is a powerful reflection of culture and history, shaping the customs of various societies. Working in collaborative lab settings, students will organize, prepare, taste, and evaluate authentic dishes from these regions, gaining both advanced food preparation experience and a deeper appreciation for global diversity.

PRO START 1 7790

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Beginning Foods (7750)

APPROXIMATE FEES: \$120 for lab supplies and ServSafe exam

COURSE DESCRIPTION: This course provides advanced, industry-certified training for students highly interested in culinary arts, requiring Beginning Foods as a prerequisite. Students will develop professional proficiency in areas such as food safety and sanitation, fundamental cooking methods, and essential customer service. Successful completion of the two-year program, which includes both ProStart 1 and Level 2 courses, a national exam, and 400 hours of industry experience, leads to the prestigious National Certificate of Achievement. This certification can provide valuable articulated college credit or advanced standing opportunities at institutions across the USA. Students who pass the Level 1 and 2 national exams and accumulate 400 hours of industry experience throughout their high school career will earn a National Certificate of Achievement from the National Restaurant Association. This certification may provide students with articulated college credit or advanced standing opportunities at more than thirty colleges and universities across the country.

PRO START 2 7791

Credit: 1 Levels: 11 & 12 PREREQUISITE: Pro Start 1 (7790)

APPROXIMATE FEES: \$150 for lab supplies and Exam Fees

NOTE: This course is aligned with MATC for two (2) transcripted college credits if a student

receives a grade of C or better.

COURSE DESCRIPTION: This course is a continuation of Pro Start 1. ProStart II provides ambitious high school students with the essential management and culinary expertise required to launch a successful career in the dynamic foodservice industry. As the capstone course supported by the National Restaurant Association Educational Foundation, this program seamlessly blends advanced kitchen techniques with critical business operations. Students will master professional food preparation methods through engaging, hands-on labs, focusing on everything from eggs and seafood to pastries and artistic plating. The curriculum emphasizes core industry knowledge, including marketing strategies for reaching customers, effective cost control, and managing modern operational concerns like nutrition and sustainability. Successful completion prepares students for the ProStart exams, offering an opportunity to earn a recognized national certification for achievement and documented professional experience. Students who pass the Level 1 and 2 national exams and accumulate 400 hours of industry experience throughout their high school career will earn a National Certificate of Achievement from the National Restaurant Association. This certification may provide students with articulated college credit or advanced standing opportunities at more than thirty colleges and universities across the country.

INTERIOR DESIGN

7820

Credit: 1/2 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This project-based course introduces students to the core elements and principles of design, providing the essential skills to conceptualize and execute a cohesive environment. Students will study the powerful impact of color theory, explore historical and modern furniture styles, and develop practical manual sketching and computer techniques for spatial planning. The curriculum culminates in the creation of professional-grade design plans and presentation boards, allowing students to translate theoretical knowledge into personal, functional spaces that reflect style and personality.

CHILD DEVELOPMENT 1

7910

Credit: 1/2 Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This course is aligned with MATC for three (3) transcripted college credits if a student

receives a grade of C or better.

COURSE DESCRIPTION: This course provides students with an essential understanding of the physical, social, emotional, and cognitive development of children from birth through the critical preschool age. Students will analyze how factors like heredity and environment influence development while also studying vital topics such as prenatal care, SIDS, and positive guidance techniques for young children. The curriculum emphasizes practical application, culminating in a unique, hands-on preschool laboratory experience where students plan, observe, and directly work with young children. Gaining this knowledge prepares students to successfully guide and care for children, setting a strong foundation for future education or parenting roles. A lab experience in the form of a preschool at CHS is the culminating activity, providing the opportunity to plan lessons, observe, and work with young children.

CHILD DEVELOPMENT 2

7920

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Child Development I (7910)

APPROXIMATE FEES: None

NOTE: This course is aligned with MATC for three (3) transcripted college credits if a student

receives a grade of C or better.

COURSE DESCRIPTION: This advanced, semester-long course provides entry-level knowledge required for individuals seeking to care for children in group or family child care environments. Students explore the professional rules and regulations governing child care, learning how to manage safe and healthy environments, and plan nutritious meals and snacks for young children. The curriculum emphasizes leveraging developmental knowledge to effectively guide behavior, design engaging learning experiences, and cultivate crucial employability skills such as resume creation and interview techniques for future career success.

HEALTH CAREERS EXPLORATION

7960

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This comprehensive, semester-long course provides a foundational orientation by meticulously examining the five primary pathways within the healthcare industry. Students will gain essential knowledge in professional areas such as medical terminology, legal and ethical responsibilities, infection control, and the personal qualities required for success in a medical setting. The curriculum goes beyond the classroom, offering a well-rounded view of the field through engaging guest speakers, informative field trips, and valuable job shadow experiences. Successful completion prepares students with strong employability skills and a clear understanding of the career options and educational requirements across all major healthcare sectors.

MATHEMATICS

Grade 9	Grade 10	Grade 11	Grade 12
Honors Algebra Gr. 9, 1 credit			
Algebra Support	i		
Gr. 9, 1 credit	<u> </u>		
Algebra 1 Gr. 9, 1 credit			
Global Mathematics Gr. 9-12, .5 credit			
Geometry Gr. 9-10, 1 credit			
Honors Geometry Gr. 9-10, 1 credit			
Honors Algebra II with Gr. 9-11, 1 credit	Trigonometry		
	Algebra II Gr. 10-12, 1 credit		
	Probability & Statistics Gr. 10-12, .5 credit		
	AP Statistics Gr. 10-12, 1 credit		
	AP Precalculus Gr. 10-12, 1 credit		
		College Trigonometry / Gr. 11-12, 1 credit	Precalculus
		College Trigonometry Gr. 11-12, .5 credit	
		College Precalculus Gr. 11-12, .5 credit	
		AP Calculus AB Gr. 11-12, 1 credit	
		AP Calculus BC Gr. 11-12, 1 credit	
			Calculus III Gr. 12, 1 credit
			Princ. of College Algebra Gr. 12, .5 credit

ALGEBRA SUPPORT

2135

Credit: 1 Level: 9
COREQUISITE: Algebra I (2105)
APPROXIMATE FEES: None

NOTE: This is an elective course; it does not satisfy the three-credit math requirement.

COURSE DESCRIPTION: This is an elective course for freshmen in Algebra I who would benefit from additional time for math interventions and support. Students work on algebraic fundamentals and concepts to allow for deeper understanding and a better chance for success in Algebra I, as well as preparation for subsequent math courses.

ALGEBRA I

2105

Credit: 1 Level: 9
PREREQUISITE: None
APPROXIMATE FEES: None

COURSE DESCRIPTION: Algebra I is the foundational course essential for success in all future mathematics and science studies. This rigorous program develops critical equation-solving techniques and algebraic concepts by emphasizing real-world applications. Students will master the dynamic use of formulas to model real-world situations, investigate linear equations and inequalities, and analyze complex relationships through quadratic and exponential functions. By synthesizing principles of functions, data analysis, and logic, this course prepares students to utilize algebra as a powerful, versatile tool for problem-solving and expressing complex ideas.

HONORS ALGEBRA I

2139

Credit: 1 Level: 9
PREREQUISITE: None
APPROXIMATE FEES: None

COURSE DESCRIPTION: This course establishes the essential mathematical foundation required for success in all subsequent high school mathematics and science programs. Designed for highly motivated students who possess a strong grasp of prior mathematical concepts, the curriculum develops vital equation-solving techniques and cultivates dynamic tools for real-world problem-solving. Key areas of study include mastering linear equations in one and two variables, graphing complex relations in the coordinate system, and analyzing quadratic equations and polynomials. Students gain a deep, comprehensive understanding of how algebraic expressions and functions model and interpret various real-world situations. This challenging course ultimately prepares students to use algebra as a powerful, versatile tool for higher-level communication and conceptual expression.

GEOMETRY 2220

Credit: 1 Levels: 9 & 10

PREREQUISITE: Algebra 1 APPROXIMATE FEES: None

NOTE: A scientific calculator is required.

COURSE DESCRIPTION: This course establishes a robust foundation in logical reasoning and advanced spatial problem-solving. This program is a formal study of Euclidean Geometry that emphasizes a rigorous deductive approach to understanding the world through mathematical proof. Students will build upon their algebraic skills to master core concepts such as congruence, similarity, and the properties of parallel and perpendicular lines. Utilizing definitions, theorems, and coordinate geometry, the curriculum covers a variety of two and three-dimensional topics. By strengthening skills in visualization and geometric modeling, students learn to apply logic and geometric ideas as powerful tools for decision-making and for future success in higher-level mathematics, science, and design.

HONORS GEOMETRY

2140

Credit: 1 Levels: 9 & 10

PREREQUISITE: Algebra 1
APPROXIMATE FEES: None

NOTE: A scientific or TI-Nspire graphing calculator is required.

COURSE DESCRIPTION: This course develops critical skills in logic, reasoning, and formal proof. This program provides high-achieving students with a deep, conceptual understanding of geometric structures by applying deductive reasoning to an axiomatic system involving points, lines, and planes. The curriculum covers core geometric concepts such as congruence and similarity, extending into the application of trigonometry, and calculating the surface areas and volumes of two and three-dimensional solids. Students will master the use of visualization and spatial reasoning to analyze real-world situations, establishing a foundational mathematical language essential for future studies in science, design, and Calculus.

ALGEBRA II 2340

Credit: 1 Level: 10, 11, & 12

PREREQUISITE: Algebra 1
APPROXIMATE FEES: None

NOTE: A scientific calculator is required.

COURSE DESCRIPTION: Algebra II extends foundational mathematical knowledge from Algebra I by deeply investigating advanced functions and their real-world applications. The main strands of this course involve the comprehensive study of functions and their graphs, serving as dynamic tools for complex problem solving, communicating, and expressing abstract ideas. Students will master working with various function models, including polynomial, rational, exponential, and trigonometric functions. The curriculum integrates applications and essential concepts such as complex numbers. This course prepares students to use algebraic principles as a versatile and logical framework for future studies in science and higher-level mathematics.

HONORS ALGEBRA II WITH TRIGONOMETRY

2250

Credit: 1 Level: 9, 10, & 11

PREREQUISITE: Algebra I APPROXIMATE FEES: None

NOTE: A TI-Nspire CX graphing calculator is required.

COURSE DESCRIPTION: This course provides an accelerated, application based study of the topics covered in Accelerated Algebra II (2340) and College Trigonometry (2430). The course is designed for students who are motivated to master complex quantitative relationships and problem-solving tools required for success in higher-level mathematics and science. Students will thoroughly investigate functions, analyze and solve problems involving quadratic, polynomial, radical, rational, exponential, and logarithmic relationships. A significant portion of the curriculum is dedicated to trigonometric functions, including their properties, graphs, and applications. Successful completion of this course has students demonstrating abstract ideas and prepares students for Calculus and other advanced post-secondary mathematical studies. Mastery of Algebra 1 and Geometry are vital for success in this course.

PRINCIPLES OF COLLEGE ALGEBRA

2410

Credit: ½ Level: 12
PREREQUISITE: Algebra II
APPROXIMATE FEES: None

NOTE: A scientific calculator is required.

COURSE DESCRIPTION: This course helps students master the essential algebraic principles necessary for success in college-level science and mathematics. Principles of College Algebra provides a rigorous opportunity for students to strengthen and expand their intermediate algebra skills and deepen their analytical reasoning. The curriculum thoroughly reviews general math topics including fractions, inequalities, unit conversion, scientific notation, and analysis of word problems. Advanced algebra topics are studied, including fundamental algebraic manipulation, exponents, equation solving, coordinate geometry, and the comprehensive study of polynomial, exponential, and logarithmic functions. Students will delve into conic sections and be introduced to matrices and their applications. This course culminates in a refined ability to express complex relationships and solve real-world problems using versatile quantitative tools.

PROBABILITY & STATISTICS

2420

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Completion or concurrent enrollment of Algebra II

APPROXIMATE FEES: None

COURSE DESCRIPTION: Students learn data analysis and logical reasoning in this introductory Probability and Statistics course, which equips students with the essential tools for informed decision-making in an uncertain world. The program explores fundamental concepts for collecting, organizing, and interpreting data, providing a framework for evaluating claims and understanding real-world patterns. Students will master key statistical techniques, including the principles of probability, graphical displays, and statistical inference to analyze complex relationships. Through engaging, hands-on activities and practical examples, this course fosters vital statistical literacy and empowers students to navigate and apply statistical thinking across various academic disciplines and in everyday life.

COLLEGE TRIGONOMETRY / PRECALCULUS

2425

Credit: 1 Levels: 11 & 12 PREREQUISITE: Algebra II (2340)

APPROXIMATE FEES: None

NOTES: A scientific calculator is required. Students with a grade point average of at least 2.75 and with a UW Math Placement Test Score that places them into UW-Oshkosh's Math 108 course are eligible to enroll in CAPP for five (5) transcripted college credits. College credits are offered at a reduced rate.

COURSE DESCRIPTION: This college-level course combines one semester of Trigonometry and one semester of Precalculus. Polynomial, exponential, logarithmic, circular and trigonometric functions are studied. There is also an emphasis on the application of trigonometric identities. The goal of this course is to give students appreciation of mathematics and the algebraic tools they need to be successful in other mathematics and science courses, including Calculus. It focuses on problem solving, critical thinking and mathematical skills. Successful completion of this course thoroughly prepares students to pursue higher-level mathematics and science disciplines with confidence.

COLLEGE TRIGONOMETRY

2430

Credit: ½ Levels: 11 & 12
PREREQUISITE: Algebra II (2340)
APPROXIMATE FEES: None

NOTE: A scientific calculator is required.

COURSE DESCRIPTION: The first semester of College Trigonometry/Precalculus (2425), this course includes the study of trigonometry. These topics offer numerous mathematical applications and lay foundations for the further study of mathematics, particularly Calculus. Students learn to understand the elementary concepts and uses of this important branch of mathematics.

COLLEGE PRECALCULUS

2441

Credit: 1/2 Levels: 11 & 12

PREREQUISITE: Algebra II (2340)

APPROXIMATE FEES: None

NOTES: A scientific calculator is required. This course is designed to be taken in the second semester immediately following Trigonometry (2430).

COURSE DESCRIPTION: The second semester of College Trigonometry/Precalculus (2425), this course includes the study of polynomial, exponential, and logarithmic functions. These topics offer numerous mathematical applications opportunities and lay foundations for the further study of mathematics, particularly Calculus. Students learn to understand the elementary concepts and uses of this important branch of mathematics.

Credit: 1 (weighted grade) Le

Levels: 10, 11 & 12

PREREQUISITE: Honors Algebra II with Trigonometry (2250)

APPROXIMATE FEES: None

NOTE: The TI-Nspire graphing calculator is required. Students may take the AP exam for an

additional fee.

COURSE DESCRIPTION: This course covers the complex mathematical language and essential concepts required for advanced college-level studies. This rigorous course provides a comprehensive, integrated study of college algebra and trigonometry, alongside additional topics critical for future success in Calculus and other quantitative fields. Students will master the algebraic manipulation and graphical analysis of various function models, including polynomial, rational, exponential, and logarithmic functions. A significant focus is placed on trigonometric and polar functions, as well as functions involving parameters and vectors. This course develops the ability to translate mathematical information between representations and communicate conclusions with precise language, establishing a strong foundation for analytical reasoning.

ADVANCED PLACEMENT STATISTICS

2510

Credit: 1 (weighted grade) Levels: 10, 11 & 12

PREREQUISITE: Algebra II APPROXIMATE FEES: None

NOTE: The TI-NSpire graphing calculator is required. Students may take the AP exam for an

additional fee.

COURSE DESCRIPTION: This advanced course is dedicated to the science of data analysis. This rigorous, college-level program introduces students to the major concepts and professional tools used for collecting, analyzing, and drawing conclusions from real-world data. Students will engage in activities that involve designing comprehensive surveys and experiments, exploring data patterns and relationships, and applying principles of probability to define uncertainty in statistical inference. Successful completion empowers students to select appropriate analytical methods and justify claims using statistical reasoning. This essential course develops critical quantitative literacy for success in all academic disciplines and future careers.

Credit: 1 (weighted grade)

Levels: 11 & 12

PREREQUISITE: AP Precalculus (2525) or College Trigonometry/Precalculus (2425)

APPROXIMATE FEES: None

NOTES: The TI-NSpire graphing calculator is required. Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This college-level mathematics course is focused on the science of change. This program is designed for highly motivated students and introduces the foundational methods of differential and integral Calculus. Students will engage in complex problem-solving by learning to determine limits, analyze rates of change through differentiation, and calculate accumulated change through integration. The curriculum emphasizes connecting multiple representations of concepts and justifying mathematical reasoning, thoroughly preparing students for the AP exam and subsequent university-level mathematics, science, and engineering courses.

ADVANCED PLACEMENT CALCULUS BC

2540

Credit: 1 (weighted grade)

Levels: 11 & 12

PREREQUISITE: AP Precalculus (2525)

APPROXIMATE FEES: None

NOTES: The TI-NSpire graphing calculator is required. Students may take the AP exam for an

additional fee.

COURSE DESCRIPTION: This course explores the dynamic concepts and complex applications of college-level mathematics. This comprehensive program extends the foundational methods of differential and integral Calculus by deepening conceptual understanding and emphasizing advanced applications. Students master sophisticated problem-solving techniques, including the analysis of parametric, polar, and vector functions and the extensive study of infinite sequences and series. Through experiments and investigations, students learn to connect various mathematical representations and justify their reasoning with precision. Successful completion thoroughly prepares students for the AP exam and subsequent pursuit of advanced post-secondary studies in engineering, science, and mathematics.

COLLEGE CALCULUS III

2550

Credit: 1 (weighted grade) Levels: 12 PREREQUISITE: AP Calculus BC (2540)

APPROXIMATE FEES: None

NOTES:A scientific calculator is required. Students with a grade point average of at least 3.0 or an ACT score of at least 22 are eligible to enroll in PIE for four (4) transcripted college credits.

COURSE DESCRIPTION: This college-level course is dedicated to the study of multivariable Calculus. This program advances student understanding of dynamic systems in three-dimensional space by exploring vectors, vector functions, and solid analytic geometry. Students will master complex analytical techniques, including partial derivatives, the calculation of multiple integrals in various coordinate systems, and the application of integral theorems. Offered for potential college credit, this course culminates in the ability to utilize multivariable Calculus to solve sophisticated problems in physics, engineering, and advanced mathematics. The topics will be covered with the same depth and rigor as expected in a third-semester college-level Calculus course.

GLOBAL MATHEMATICS

2705

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$15.00 for project materials

NOTE: This is an elective course; it does not satisfy the three-credit math requirement.

COURSE DESCRIPTION: Students explore the profound history and innovative modern applications of mathematics in this unique, project-based course. Global Mathematics provides students with an opportunity to learn about the historical roots and current developments in mathematical thought. The curriculum blends review of essential math standards with hands-on, creative learning. Students will design and construct mathematical creations, exploring engaging topics such as fractals, 3D printing, robotics, and knot theory. This course fosters a deep appreciation for the subject while utilizing the CHS Makerspace and also counts toward the required coursework for the Global Scholars program.

MUSIC

Grade 9	Grade 10	Grade 11	Grade 12
Treble Choir Gr. 9-12, 1 credit			
Concert Choir Gr. 9-12, 1 credit			
Marching Band Gr. 9-12, no credit			
Concert Band Gr. 9-12, 1 credit			
Jazz Ensemble Gr. 9-12, 1 credit			
Music Theory Gr. 9-12, 1 credit			
Music Cooperative Gr. 9-12, 1 credit			
	A Capella Choir Gr. 10-12, 1 credit		
	Bella Voce Gr. 10-12, 1 credit		
	Symphonic Band Gr. 10-12, 1 credit		
	AP Music Theory Gr. 10-12, 1 credit		

KEY: Prerequisite, No Prerequisite, # = College Credit Available

TREBLE CHOIR 6410

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course is a dynamic, non-auditioned musical experience for all students in the soprano or alto range. This course focuses on the essential development of healthy vocal technique and strong music literacy skills, including sight-reading through solfege. Students study diverse musical selections from all historical periods and genres, refining their ability to perform cohesively as an ensemble. The curriculum requires participation in three evening concerts per year, offering valuable performance experience for the school and community. Participation in external events like the WSMA Solo/Ensemble Festival is also strongly encouraged.

6650

MUSIC COOPERATIVE

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course introduces students to the world of music through an innovative and personalized learning environment. This unique course provides high school students with an opportunity to explore a wide range of musical topics in an informal performance setting, emphasizing multi-sensory engagement and differentiated instruction. Students will actively perform and respond to music using technology, singing, and hand instruments, while also investigating topics such as musical history, composition, and professional careers in the industry. The cooperative structure allows student-leaders to develop essential mentoring and collaboration skills, thereby enhancing the learning experience for all peers. This approach fosters a comprehensive musical appreciation and cultivates both performance and leadership abilities.

CONCERT CHOIR

6420

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course is the school's dynamic, non-auditioned mixed ensemble, designed to help students discover the joy and discipline of collaborative musical performance. This program is open to all students across the soprano, alto, tenor, and bass vocal ranges and emphasizes the comprehensive development of healthy vocal technique and essential music literacy. Students study and perform a diverse repertoire spanning all historical periods and genres, with a specific focus on refining ensemble performance skills and improving sight-reading ability through solfege. Mandatory participation in three evening concerts per year provides valuable public performance experience and opportunities to connect with the community. This course prepares students for advanced musicianship while cultivating teamwork and a lifelong appreciation for the vocal arts.

BELLA VOCE 6431

Credit: 1 Levels: 11 & 12

PREREQUISITE: Audition APPROXIMATE FEES: None

NOTE:

COURSE DESCRIPTION: This auditioned ensemble is designed to help students elevate their vocal artistry and musicianship. This program is designed for treble-range singers (soprano/alto) who demonstrate intermediate to advanced vocal technique and seek a rigorous collaborative performance experience. The curriculum focuses intently on refining ensemble performance skills, mastering advanced sight singing and tonal memory, and developing a deep understanding of music literacy through the study of diverse repertoire from all historical periods. Required evening concerts are scheduled three times a year. Quarterly music fundamentals and skills evaluations (individually and in small groups) are also required as a supplement to classroom rehearsals. Field trips are possible along with additional performing opportunities throughout the school, community and beyond.

A CAPPELLA CHOIR

6441

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Audition APPROXIMATE FEES: None

NOTE: Participation in the WSMA Solo and Ensemble Festival is required.

COURSE DESCRIPTION: This auditioned mixed ensemble helps vocalists singing in the treble and bass clef range (Soprano, Alto, Tenor, Bass) elevate their vocal artistry and musicianship. This program is designed for students who demonstrate advanced sight singing, tonal memory, and intermediate to advanced vocal technique. The core curriculum emphasizes the comprehensive development of music literacy through solfege and the refinement of ensemble performance skills. Students study and perform a diverse repertoire of music spanning all historical periods and genres, fostering a deep appreciation for the vocal arts. Required evening concerts are scheduled three times a year. Quarterly music fundamentals and skills evaluations (individually and in small groups) are also required as a supplement to classroom rehearsals. Field trips are possible along with additional performing opportunities throughout the school, community and beyond.

MARCHING BAND

6500

Credit: None Levels: 9, 10, 11 & 12

PREREQUISITE: At least one year of prior instrumental music instruction

APPROXIMATE FEES: \$185 for Band Camp, uniform, transportation and music

NOTE: Attendance at pre-season Band Camp is required. Required performances include but are not limited to: all regular season CHS home football games, all registered competitions and clinics.

COURSE DESCRIPTION: This Quarter 1 course is open to all instrumentalists and Color Guard participants, focusing on the preparation and performance of a complex field show that includes technical and lyrical literature. Students refine their musicianship through units on Music Literacy and Instrument Technique and Pedagogy, while also learning and demonstrating proper marching technique and choreography. The curriculum also emphasizes collaborative skills and the development of a strong ensemble culture, preparing students to be disciplined and expressive performers. Previous instrumental experience or teacher consent is a prerequisite, and instrumentalists should subsequently register for Concert Band or Symphonic Band. The marching band preparation process begins in mid-spring, and will be communicated to students and parents upon registration. Occasional weekend travel is required for this course.

CONCERT BAND

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: At least one year of prior instrumental music instruction

APPROXIMATE FEES: None

NOTES: Required performances include but are not limited to: Winter concert, Spring concert, Pep Band performances in the winter, and participation in the WSMA Solo and Ensemble Festival.

COURSE DESCRIPTION: This year-long instrumental music course is designed to develop fundamental performance skills in a non-auditioned ensemble. Students will work to master fundamental musical elements, including subdivisions of rhythm, expanding instrument range, and pure-tempered harmony, while continually improving their instrumental technique and sight-reading ability. The curriculum emphasizes collaborative skills, independent musicianship, and exploring diverse musical literature spanning various genres and historical periods. Required performances include two concerts per year (December and May). All members are expected to practice and come to rehearsal with assigned music prepared. Typical literature selections range from Grade 2 (medium-easy) to Grade 3.5 (medium-advanced).

SYMPHONIC BAND

6520

6510

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Audition

APPROXIMATE FEES: \$185 for Band Camp, uniform, and travel expenses

NOTES: Participation in marching band is required. Required performances include but are not limited to: All marching band required performances (see above), Winter concert, Spring concert, Basketball Pep Band, WSMA Solo and Ensemble, Memorial Day Parade/Services, and the 4th of July Parade.

COURSE DESCRIPTION: This auditioned ensemble is designed for the school's most advanced instrumentalists seeking to maximize their musical potential through challenging pieces. Students will advance their instrument technique and music theory fluency by focusing on producing a full, rich tone and accurate intonation across the instrument's full range. The year-long curriculum emphasizes collaborative skills and performance mastery, interpreting complex wind band literature ranging from Grade 3 to collegiate Grade 5+.

IAZZ ENSEMBLE

6530

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Audition APPROXIMATE FEES: None

NOTES: The District Winter Tour, Winter and Spring concerts, overnight trips, and clinics are

requirements of this course.

COURSE DESCRIPTION: This audition-only ensemble is a year-long course that focuses on the various styles, listening, and history of Jazz. Students will refine their interpretation of written music and improvisational skill through aural and non-aural theory, and active listening. The core objective is to develop musical creativity through improvisation by understanding chord progressions and form. In addition to the larger jazz ensemble, students will also work collaboratively in small student-led combos to improve independent musicianship and leadership skills.

MUSIC THEORY

6610

Credit: 1 Level: 10, 11 & 12

PREREQUISITE: The ability to read music in either clef, and enrollment in a performance class or teacher consent is required.

APPROXIMATE FEES: None

COURSE DESCRIPTION: This class provides a deeper understanding of music by exploring the foundational elements of notation, harmony, form, and counterpoint. Students will develop an intricate comprehension of Western musical notation, utilizing this knowledge to precisely analyze, describe, and dictate musical compositions. Aural skills are critically developed, enabling students to accurately recognize intervals and chord quality, further enhanced by utilizing technology for ear-training and composition. Key units cover topics such as scales, rhythm, diatonic chords, functional harmony, and voice leading.

ADVANCED PLACEMENT MUSIC THEORY

6615

Credit: 1 (weighted grade)

Levels: 10, 11 & 12

PREREQUISITE: The ability to read music in either clef, and enrollment in a performance class

or teacher consent is required.

APPROXIMATE FEES: None

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This course provides an intensive study of the materials and processes of music. Students will develop essential aural, analytical, and performance skills by listening to, reading, writing, and performing a wide variety of music. The curriculum focuses on identifying features of pitch, scales, keys, rhythm, and chords within performed and notated music. Key units cover complex concepts such as harmony and voice leading, exploring secondary function and embellishments. The goal is for students to be able to sing a notated melody on sight and notate music they hear, preparing them for the AP Exam.

PHYSICAL EDUCATION & HEALTH

Grade 9	Grade 10	Grade 11	Grade 12
Physical Education 9 Gr. 9, .5 credit			
Health Gr. 9, .5 credit			
Lifetime Wellness Gr. 9-12, .5 credit			
Strength & Conditioning Gr. 9-12, .5 credit	g I		
Strength & Conditioning Gr. 9-12, .5 credit	ξ II		
	Lifeguard Training Gr. 10-12, .5 credit		
	Intro to Yoga Gr. 10-12, .5 credit		
	Individual Sports Gr. 10-12, .5 credit		
	Team Sports Gr. 10-12, .5 credit		
	Net Games Gr. 10-12, .5 credit		
	Outdoor Education Gr. 10-12, .5 credit		

KEY: Prerequisite, No Prerequisite, # = College Credit Available

HEALTH 9010

Credit: ½ Level: 9
REQUIRED COURSE: Yes
PREREQUISITE: None

APPROXIMATE FEES: \$22 for CPR Certification

COURSE DESCRIPTION: This course serves as a basic guide to healthful living, promoting awareness and responsibility for one's personal health and wellness. The curriculum is structured around the three core areas of physical health, social health, and mental health, emphasizing their interrelated impact on overall well-being. Students explore critical life skills, including goal-setting, decision-making, and self-management, to adopt and maintain healthy behaviors. Key units cover topics such as nutrition, stress management, substance use and abuse, human growth and development, first aid, and personal safety. The course culminates in practical applications, one being first aid training and participation in the American Heart Association adult CPR/AED certification process.

In compliance with Wisconsin State Statute 118.019, Cedarburg High School is committed to providing human growth and development as part of its comprehensive education program. Parents are provided with information about this instruction's content and are encouraged to review the human growth and development curriculum and instructional materials. If desired, parents have the right to exempt their child from participation in this instruction.

PHYSICAL EDUCATION REQUIREMENTS

Students are required to complete three physical education courses over three separate years. Below are the requirements and options:

- Course 1: Physical Education 9 can be completed in two ways: during the summer prior to 9th grade, or during the school year.
- Course 2: 10-12 graders are required to choose one course from group A to meet graduation requirements.
- Course 3: 10-12 graders choose an elective from either group A or B.

GROUP A	GROUP B
Lifetime Wellness	Team Sports
Lifeguard Training	Net Games
Introduction to Yoga	Individual Sports
Strength & Conditioning I, II	Outdoor Education

WIAA Waiver Option

Under state statute 118.33 (1) (e) a school board may allow a pupil who participates in sports or in another organized physical activity, as determined by the school board, to complete an additional 0.5 credit in English, social studies, mathematics, science, or health education in lieu of 0.5 credit in physical education. Students may therefore complete a <u>WIAA Waiver form</u> to fulfill Course 3 above.

Elective Course Options

Students may take additional physical education courses as their schedule permits. For example, if a student took *Physical Education 9* during the summer, then they could take either *Lifetime Wellness* or *Strength Training* during the school year as an elective. NOTE: This additional elective course does not fulfill Course 3 requirements above unless completed after freshman year.

PHYSICAL EDUCATION 9 - SUMMER

9109

Credit: ½ Level: 9

REQUIRED COURSE: Fulfills Course 1 Requirement

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course is the same required Physical Education 9 course offered during the school year (see description for Physical Education 9 #9110 below), but instead offered during the summer prior to 9th grade. Satisfactory completion of this course will fulfill the graduation requirement and allow students to take an additional elective in their school-year course load.

Attendance at CHS Summer Session is a serious commitment, due to the design of a semester-long course shortened into five weeks. One day in the summer course equates to approximately two and a half sessions of a regular school year course. Absences will require written verification from a parent/guardian. Three tardies is equivalent to one absence. Should a student be absent for three days, they will be dropped from the summer course and enrolled during the school year. Students should not enroll in this course if they have any planned absences.

PHYSICAL EDUCATION 9

9110

Credit: ½ Level: 9

REQUIRED COURSE: Fulfills Course 1 Requirement

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This foundational course that promotes lifelong health and wellness through participation in a variety of team, individual, and lifetime activities. Daily instruction focuses on improving the five components of health-related fitness: cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition.

Students engage in units spanning invasion games, net sports, team activities, and fitness, covering topics like basketball, volleyball, kickball, softball, badminton, pickleball, soccer, football, swimming, and dance. The curriculum is specifically designed to emphasize skill development, the importance of daily physical activity, and exemplary sportsmanship. This course equips students with the essential knowledge and skills needed to maintain an active, healthy lifestyle far beyond the classroom.

TEAM SPORTS

9131

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Fulfills Course 3 Requirement PREREQUISITE: Physical Education 9 (9109 or 9110)

APPROXIMATE FEES: None

NOTE: Phy. Ed. credits must be earned over three separate school years

COURSE DESCRIPTION: This course is designed to expand students' proficiency and enjoyment of a variety of competitive and recreational physical activities. The primary focus is on developing lifelong fitness while instructing students in the core skill, strategy, and relevant fitness concepts for each unit. Students will participate in a wide range of team-based games, including football, soccer, kickball, softball, basketball, volleyball, eclipseball, floor hockey, team handball and ultimate frisbee. Each unit is structured to improve advanced movement concepts and reinforce the importance of sportsmanship and teamwork through cooperative game play.

NET GAMES 9132

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Fulfills Course 3 Requirement PREREQUISITE: Physical Education 9 (9109 or 9110)

APPROXIMATE FEES: None

NOTE: Phy. Ed. credits must be earned over three separate school years

COURSE DESCRIPTION: This course focuses on developing proficiency in a variety of lifetime and recreational activities centered around a net or racquet. Students will refine advanced movement concepts and implement Game-specific strategies across units such as tennis, volleyball, badminton, pickleball, table tennis, and eclipse ball. Each activity provides instruction on skill, strategy, and relevant fitness concepts to promote overall health and personal enjoyment. The curriculum emphasizes advanced court movement, offensive and defensive play, and the crucial role of teamwork and sportsmanship in competition.

INDIVIDUAL SPORTS

9133

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Fulfills Course 3 Requirement PREREQUISITE: Physical Education 9 (9109 or 9110)

APPROXIMATE FEES: \$35.00 for transportation for golf and bowling NOTE: Phy. Ed. credits must be earned over three separate school years

COURSE DESCRIPTION: This course cultivates fitness for life by mastering skills and strategies in a variety of non-team activities that promote personal wellness. Individual Sports is a dedicated course emphasizing lifetime and recreational activities and the continued development of overall fitness. Students gain practical instruction in skill, strategy, and relevant fitness concepts through units that includes: golf, disc golf, tennis, bocce, badminton, table tennis, bowling, and pickleball. This curriculum is critical for understanding advanced movement concepts and for learning to create and achieve personal goals to maintain a healthy, active lifestyle.

STRENGTH AND CONDITIONING I

Credit: ½ Levels: 9, 10, 11 & 12

REQUIRED COURSE: Fulfills Course 2 or 3 Requirement

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This course can be taken multiple times for credit.

COURSE DESCRIPTION: This course introduces students to the fundamental principles of human movement science and structured weight training, promoting lifelong physical development and injury prevention. Held in the CHS Weight Room and Field House, the course emphasizes proper exercise technique, training safety, and equipment use across a wide variety of conditioning activities. Students will learn the basic muscle anatomy, principles of training, and methods of individual goal setting to maximize their personal fitness outcomes. Key concepts include defining and identifying basic strength training movements while developing the confidence to pursue an active, healthy lifestyle.

STRENGTH AND CONDITIONING II

9151

9150

Credit: 1/2

Levels: 9, 10, 11 & 12

REQUIRED COURSE: Fulfills Course 2 or 3 Requirement

PREREQUISITE: Strength and Conditioning 1 (9150)

APPROXIMATE FEES: None

NOTE: This course can be taken multiple times for credit.

COURSE DESCRIPTION: This advanced course is a direct extension of Strength & Conditioning I, shifting the focus to higher intensity, workload, and overload through the use of more advanced training protocols. Students will deepen their understanding of human movement science and athletic performance by implementing complex lifts, including Olympic lifts. A major component of the curriculum involves individualized program development, where students create and execute a personal strength program based on their fitness goals. Held in the CHS Weight Room, this class is designed for dedicated students committed to maximizing their physical potential.

LIFETIME WELLNESS

9160

Credit: ½ Levels: 9, 10, 11 & 12

REQUIRED COURSE: Fulfills Course 2 or 3 Requirement

PREREQUISITE: None

APPROXIMATE FEES: \$50.00 for CPR Certification and scuba diving instruction

NOTE: Phy. Ed. credits must be earned over three separate school years

COURSE DESCRIPTION: This course is dedicated to promoting lifelong health, personal fitness, and emotional well-being through participation in diverse activities students can perform at any age. The curriculum is built on exploring and applying the five components of health-related fitness (cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition) while engaging in a variety of units like biking, mind and body activities, cooperative games, scuba, and fitness. A major focus is placed on the practical application of skills, including earning an American Heart Association CPR/AED certification. Students will leave the course equipped with the knowledge and motivation to pursue a healthy, active lifestyle well beyond their school years.

OUTDOOR EDUCATION

9170

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Fulfills Course 3 Requirement PREREQUISITE: Physical Education 9 (9109 or 9110)

APPROXIMATE FEES: \$75.00 for scuba diving instruction and transportation for curling unit

NOTE: Phy. Ed. credits must be earned over three separate school years

COURSE DESCRIPTION: This course is designed to introduce students to a variety of recreational and survival activities that can be utilized throughout their entire lifetime. The course focuses on practical skills and knowledge, exploring units such as biking, disc golf, fishing, kayaking/canoeing, curling, archery, scuba/snorkeling and snowshoeing to promote year-round physical activity. A core goal is to challenge students beyond their comfort level to develop problem-solving skills, critical thinking, and productive decision-making in unexpected situations. Students will also learn about the safety protocols and equipment necessary to maintain a healthy and active lifestyle in diverse outdoor environments.

LIFEGUARD TRAINING

9180

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Fulfills Course 2 or 3 Requirement

PREREQUISITE: Physical Education 9 (9109 or 9110)

APPROXIMATE FEES: \$92.00 for certifications in Lifeguarding, First Aid and CPR/AED

NOTE: Phy. Ed. credits must be earned over three separate school years

COURSE DESCRIPTION: The American Red Cross Lifeguard Training course teaches the essential skills and knowledge required to prevent and respond to aquatic emergencies, culminating in American Red Cross (ARC) certification. The course covers comprehensive lifeguard training, CPR, First Aid, and AED use, preparing students to recognize and react quickly and effectively to emergencies. Success in this class demands maturity, self-motivation, and self-evaluation alongside proficiency in basic swim strokes.

Students must be at least 15 years old and must pass a pre-course swim test consisting of the following tasks: 300-yard swim (crawl/breaststroke), tread water for two minutes using legs only, retrieve a ten-pound object, and 20-yard swim using legs only.

INTRODUCTION TO YOGA

9190

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Fulfills Course 2 or 3 Requirement PREREQUISITE: Physical Education 9 (9109 or 9110)

APPROXIMATE FEES: None

NOTE: Phy. Ed. credits must be earned over three separate school years

COURSE DESCRIPTION: This introductory course focused on the fundamental positions, breathing techniques, and practices of Yoga. Students will develop crucial body awareness and learn healthy movement patterns to promote lifelong physical health. A primary objective is to manage stress and improve concentration through integrated techniques like meditation and controlled breathing. The course fosters a supportive, non-competitive group environment, helping students build confidence and a positive self-image through physical and mental discipline.

SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12		
Biology Gr. 9, 1 credit					
Honors Biology					
Gr. 9, 1 credit					
College Principles of Bio Gr. 9-12, 1 credit #	College Principles of Biomedical Science - PLTW Gr. 9-12, 1 credit #				
	Anatomy & Physiology : Gr. 10-12, .5 credit	1			
	Anatomy & Physiology : Gr. 10-12, .5 credit	2			
	Astronomy Gr. 10-12, .5 credit Chemistry Gr. 10-12, 1 credit Honors Chemistry Gr. 10-12, 1 credit Environmental Science Gr. 10-12, .5 credit Principles of Chemistry Gr. 10-12, .5 credit				
\	Principles of Physics Gr. 10-12, .5 credit				
	Geology Gr. 10-12, .5 credit				
	Physics Gr. 10-12, 1 credit				
	Honors Physics Gr. 10-12, 1 credit				
	Zoology and Botany Gr. 10-12, .5 credit				
	AP Environmental Science Gr. 10-12, 1 credit				
	Science: From Copernic Gr. 10-12, .5 credit	us to Hubble			
		Materials Science Gr. 11-12, .5 credit			
		Organic Chemistry Gr. 11-12, .5 credit			
		AP Biology Gr. 11-12, 1.5 credit			
		AP Chemistry Gr. 11-12, 1.5 credit			

KEY: Prerequisite, No Prerequisite, # = College Credit Available

BIOLOGY 3220

Credit: 1 Level: 9

REQUIRED COURSE: This course or Honors Biology (3221)

PREREQUISITE: None

APPROXIMATE FEES: \$5.00 for lab supplies

NOTE: This required course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: This required science course that introduces students to the core concepts, data, and skills governing life science and the interdependence of living organisms. The curriculum explores key units in ecology, biochemistry, cell structure and function, genetics, and natural selection, providing a comprehensive understanding of the biological world. Students will engage in hands-on technical skills through laboratory work, collecting and using data to study biological problems and apply concepts learned. This course also integrates College and Career Readiness (ACT) science skills and fosters critical thinking necessary to understand the interactions within and among environments.

HONORS BIOLOGY 3221

Credit: 1 Level: 9

REQUIRED COURSE: This course or Biology (3220)

PREREQUISITE: None

APPROXIMATE FEES: \$5.00 for lab supplies

NOTE: This required course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: This honors life science course covers the same core topics as Biology including genetics, natural selection, and cell structure and function, but with a greater emphasis on independent learning and analytical depth. The curriculum features more inquiry-based labs, challenging texts, and a greater depth to prepare highly motivated students for future advanced science coursework. Students will master College and Career Readiness (ACT) science skills and demonstrate critical thinking necessary to study complex biological problems. This course is designed for those committed to a deeper exploration of biological concepts, data, and skills, including advanced topics such as DNA technology. Honors Biology is highly recommended for students interested in taking Advanced Placement Biology.

PRINCIPLES OF CHEMISTRY

3300A

Credit: 1/2 Levels: 10, 11 & 12

PREREQUISITE: Biology (3220), Algebra 1 (2105), teacher recommendation

APPROXIMATE FEES: \$5.00 for lab supplies

COURSE DESCRIPTION: This laboratory science course provides a foundational understanding of key chemical concepts while focusing less on complex mathematical analysis. Students explore critical topics, including foundations and laboratory safety, atomic structure, nuclear chemistry, bonding, chemical reactions, and entry level stoichiometry, gaining insight into the fundamental composition of matter. A key focus is the development of critical thinking and strong laboratory safety skills, preparing students for success in the standard CHS chemistry course or future science careers. Practical skills covered include graphing, factor label method, and basic unit conversions.

PRINCIPLES OF PHYSICS

3300B

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Biology (3220), Algebra 1 (2105), teacher recommendation

APPROXIMATE FEES: None

COURSE DESCRIPTION: This introductory laboratory science course designed to build a strong foundation in physical laws and concepts with less emphasis on advanced mathematical calculation. Students will explore fundamental topics such as Newton's Laws of Motion, the Laws of Conservation, and wave properties of sound and light. The curriculum utilizes graphical and mathematical models to promote scientific literacy and critical thinking. A key goal of this class is to prepare students for success in future Physics courses, post-secondary studies, and technical careers by demonstrating how the physical world can be understood through empirical science.

CHEMISTRY 3330

Credit: 1 Levels: 10,11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221); concurrent enrollment in Geometry

(2220) or beyond

APPROXIMATE FEES: \$5.00 for lab supplies

NOTE: A scientific, non-graphing calculator is required.

COURSE DESCRIPTION: This laboratory science course is dedicated to the in-depth study of matter and its changes, fostering systematic problem-solving techniques essential for success in and out of the sciences. Students will explore fundamental and advanced topics such as atomic and molecular structure, chemical reactions, stoichiometry (mole concept), and thermodynamics. Since analytical problem-solving is a major course component, mathematical proficiency is critical for successful completion. This curriculum is specifically designed to prepare students for college-level science study and future careers in scientific or technical fields.

HONORS CHEMISTRY

3331

Credit: 1 Levels: 10,11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221); concurrent enrollment in Geometry

(2220) or beyond

APPROXIMATE FEES: \$5.00 for lab supplies

NOTE: A scientific, non-graphing calculator is required.

COURSE DESCRIPTION: This accelerated laboratory science course designed for highly motivated students intending to pursue science or technical majors in college. This year-long curriculum integrates the standard Chemistry topics, such as atomic structure, stoichiometry, and chemical reactions, but with a greater depth of analysis and mathematical application. The course emphasizes advanced critical problem-solving and requires students to make strong connections between units of study, preparing them for future success in Advanced Placement Chemistry.

ZOOLOGY & BOTANY

3405

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221) APPROXIMATE FEES: \$35.00 for dissection materials

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: This course is a comprehensive survey of the diversity of life within the animal and plant kingdoms. Students will compare the animal phyla and plant divisions based on organism form, function, and evolutionary relatedness. Key themes include comparative anatomy and physiology, adaptations for survival, and homology. As a hands-on laboratory class, learning involves investigations of preserved specimens, including extensive dissection in zoology units, and growing live plants in the botany unit.

ENVIRONMENTAL SCIENCE

3410

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221)

APPROXIMATE FEES: \$5.00 for lab supplies

COURSE DESCRIPTION: This course explores the critical interconnectedness between human activity and Earth's natural systems. Students investigate global challenges related to water, land, and air quality to understand the impact of human populations on the environment. A core component is a hands-on aquatic ecology project involving field work and water quality testing on a local stream. This course emphasizes both scientific analysis through laboratory work and class discussion on environmental problems, policy, and developing sustainable solutions for the preservation of our natural world. This course involves lab and fieldwork, and there are required hands-on projects and field trips.

GEOLOGY 3430

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course studies the Earth's physical structure, history, and active processes. Beginning with the foundational concepts of minerals and plate tectonics, students engage in an in-depth exploration of the rock cycle and the forces that continuously shape our planet. The curriculum includes hands-on laboratory work, model building, and the interpretation of data to analyze features like mountain formation and natural hazards such as earthquakes and volcanoes. The course culminates in applying learned concepts to examine rock strata and infer its geologic history.

ASTRONOMY 3450

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Accelerated Algebra 1 (2105)

APPROXIMATE FEES: None

COURSE DESCRIPTION: This introductory Astronomy course is focused on the fundamental concepts that govern our universe. Students will investigate the motions of Earth, the life cycles of stars, gravitation, celestial bodies, and orbital mechanics using an inquiry-based approach. The course relies heavily on physical and computer modeling to help students analyze and understand astronomical phenomena, Learning activities include a field trip to the planetarium and nighttime observations.

ANATOMY & PHYSIOLOGY 1

3470

Credit: 1/2 Levels: 10, 11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221) APPROXIMATE FEES: \$15.00 for dissection supplies

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

COURSE DESCRIPTION: This course is designed to advance students' knowledge of human body structure and function. Students will develop a deep understanding of how highly integrated organ systems work together to maintain homeostasis within the body. The curriculum focuses on major physiological systems, including the integumentary, muscular, and cardiovascular systems, while also considering major tissue types. Learning is highly practical, featuring a variety of laboratory activities, projects, and dissections to analyze the inseparable relationship between anatomical structure and physiological function. This course, which requires successful completion of Honors Biology or Biology, is an excellent choice for students interested in health and medical careers.

ANATOMY & PHYSIOLOGY 2

3480

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221)

APPROXIMATE FEES: \$20.00 for dissection supplies

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

COURSE DESCRIPTION: This course is a continuation of Anatomy and Physiology I. Students are engaged in the exploration of the human body's intricate design through an advanced study of integrated biological systems. This course advances students' understanding of how organ systems are highly integrated to maintain homeostasis within the body. The curriculum provides an in-depth examination of the nervous, endocrine, urinary, and digestive systems, as well as the special senses. Practical learning emphasizes the link between structure and function through rigorous laboratory work, models, projects, and dissections.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

3420

CREDIT: 1 (weighted grade)

Levels: 10, 11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221); completion or concurrent enrollment in Chemistry (3330) or Honors Chemistry (3331)

APPROXIMATE FEES: \$55.00 for lab supplies and workbook

NOTES: This course requires completion of a summer assignment; Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This course studies the complex interrelationships of the natural world and the critical environmental problems facing our planet. Students will investigate both natural and human-made challenges through extensive laboratory investigations and field work, covering essential units such as Ecosystems, Biodiversity, terrestrial and aquatic pollution, and Global Change. Key learning outcomes emphasize applying quantitative methods to solve problems, analyzing scientific data, and proposing evidence-based solutions for environmental issues.

Credit: 1½ (weighted grade)

Levels: 11 & 12

PREREQUISITE: Biology (3220) or Honors Biology (3221) and Chemistry (3330) or Honors

Chemistry (3331)

APPROXIMATE FEES: \$30.00 for lab supplies

NOTES: This course requires completion of a summer assignment; Students may take the AP exam for an additional fee.

This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: This course explores the core scientific principles, theories, and processes that govern living organisms. The curriculum is structured around major biological units, including Cellular Energetics, Heredity, and Natural Selection. A significant focus is placed on developing high-level scientific inquiry skills such as designing experiments, analyzing data, and supporting a scientific claim with evidence and reasoning. Students will engage in essential hands-on laboratory work to investigate natural phenomena and apply their conceptual understanding to real-world biological systems.

ADVANCED PLACEMENT CHEMISTRY

3530

Credit: 1½ (weighted grade)

Levels: 11 & 12

PREREQUISITE: Chemistry (3330) or Honors Chemistry (3331)

APPROXIMATE FEES \$10.00 for lab supplies

NOTES: This course requires completion of a summer assignment; Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This course explores the fundamental concepts of chemical science. Students will investigate core units like Atomic Structure, Intermolecular Forces, and Chemical Reactions while focusing on how the microscopic structure of a substance determines its chemical properties. A strong emphasis is placed on hands-on laboratory investigations and using chemical calculations to solve complex problems. Key skills developed include designing experiments, creating models, and supporting scientific claims with evidence.

ORGANIC CHEMISTRY

3550

Credit: ½ Levels: 11 & 12

PREREQUISITE: Chemistry (3330) or Honors Chemistry (3331)

APPROXIMATE FEES: \$10.00 for lab supplies

COURSE DESCRIPTION: This course focuses on the chemistry of carbon compounds which serve as the foundation for modern medical and industrial applications. This course emphasizes the structure and naming of organic compounds and explores essential techniques like mixture separation and identification through spectroscopy. Students investigate complex concepts such as isomerism and the patterns governing chemical reaction mechanisms. This highly lab-intensive course encourages advanced analytical skills and requires successful prior completion of Chemistry or Honors Chemistry.

MATERIALS SCIENCE

3560

Credit: 1/2

Levels: 11 & 12

PREREQUISITE: Chemistry (3330), Honors Chemistry (3331), or Principles of Chemistry (3300A)

and Principles of Physics (3300B)

APPROXIMATE FEES: \$15.00 for lab supplies

COURSE DESCRIPTION: This hands-on course investigates how the structure of materials determines their function and role in modern technology. Programming centers on the fundamental relationship between a material's structure, its properties, its processing, and its ultimate performance. Students will engage in projects and activities exploring the synthesis and development of substances like polymers, composites, and various metal alloys. Successful students learn to classify, test, and analyze materials, gaining a broad understanding of the improved processes and critical role materials play in our everyday lives.

PHYSICS 3620

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Accelerated Algebra II (2340) or concurrent enrollment in Honors Algebra

II/Trigonometry (2250)

APPROXIMATE FEES: Approximately \$75 for Field Trips

COURSE DESCRIPTION: This experiment-based course studies the natural world's most fundamental laws. This comprehensive program uses inquiry and mathematical modeling to analyze essential concepts, including motion, force, energy, electricity, and magnetism. Students will heavily utilize electronic equipment like force sensors and motion detectors in the laboratory to gather and analyze data from experiments and demonstrations. The curriculum is structured to help students understand that the physical world can be understood through mathematical models and that physics is an empirical science. The year culminates with a trip to Six Flags Great America in Illinois.

HONORS PHYSICS 3621

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Honors Algebra II/Trigonometry (2250) or concurrent enrollment

APPROXIMATE FEES: Approximately \$75 for Field Trips

COURSE DESCRIPTION: This experiment-based course explores the fundamental laws governing the universe. Students delve into core concepts like motion, force, energy, electricity, and magnetism, emphasizing inquiry-based laboratory investigations and mathematical modeling to analyze complex phenomena. This rigorous curriculum features challenging assignments and special topics, and it is highly recommended for students preparing for Advanced Placement Physics. Learning involves extensive use of electronic equipment for data analysis and culminates in a practical application field trip to Six-Flags Theme Park in Illinois.

ADVANCED PLACEMENT PHYSICS C: MECHANICS

3650

Credit: 1 (weighted grade) Levels: 11 & 12

PREREQUISITE: Physics (3620) or Honors Physics (3621); AP Calculus BC (or concurrent

enrollment)

APPROXIMATE FEES: Approximately \$75 for Field Trips NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This college-level course explores the fundamental laws of the universe. Students will investigate core principles such as kinematics, Newton's laws of motion, work, energy, and power to understand the mechanics that govern physical systems. A significant portion of the course involves hands-on laboratory work. Students are required to keep a more sophisticated lab journal for data collection, error analysis, and further investigation. Notably, students will learn to apply Calculus to solve complex physics problems and interpret visual representations of physical situations. Learning involves extensive use of electronic equipment for data analysis and culminates in a practical application field trip to Six-Flags Theme Park in Illinois.

Credit: 1/2 Levels: 10, 11 & 12

PREREQUISITE: Chemistry (3330) or Honors Chemistry (3331)

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course takes students on an intellectual journey through the History of Science and the Nature of Science. Students will explore several of the most significant advances in our understanding of the natural world since the 16th century, investigating essential questions such as how we truly know what we claim to know. The course explores the definition of knowledge, the role of scientific theory, and the application of concepts from biology, chemistry, physics, and astronomy. In particular, students will examine misconceptions surrounding the fundamental differences between theory and fact, using the work of scientific giants such as Ptolemy, Copernicus, Newton, Einstein, Lavoisier, and Darwin as case studies. This course offers a unique perspective on the process of scientific discovery and the meaning of knowledge itself.

COLLEGE PRINCIPLES OF BIOMEDICAL SCIENCE - PLTW 3485

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$35.00 for lab supplies

NOTE: Students who successfully complete the PLTW End-of-Course assessment may be eligible

for college credits.

COURSE DESCRIPTION: This course takes students into the role of a biomedical professional and investigates real-world health challenges. Principles of Biomedical Science provides students with foundational knowledge in fields such as anatomy, genetics, microbiology, and epidemiology. Students practice essential skills by analyzing crime scene evidence with a medical examiner, tracking the source of a mysterious hospital outbreak, and developing solutions to global medical problems. This program is designed to develop creative and critical thinking while providing practical experience with experimental design and problem-solving, making it an excellent start for students interested in medicine or healthcare careers. Students explore concepts of biology and medicine to determine the factors that lead to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

SOCIAL STUDIES

Grade 9	Grade 10	Grade 11	Grade 12
Global Studies Gr. 9, 1 credit AP Human Geography			
Gr. 9, 1 credit			
	American Government Gr. 10, 1 credit		
	AP U.S. Government & F Gr. 10-12, 1 credit	Politics	
	Law and Society Gr. 10-12, 1 credit		
	Ancient Civilizations BC- Gr. 10-12, .5 credit	-1350	
	Current Issues Gr. 10-12, .5 credit		
	Sociology Gr. 10-12, .5 credit		
	AP Psychology Gr. 10-12, 1 credit		
	AP World History: Modern Gr. 10-12, 1 credit		
		United States History Gr. 11, 1 credit Personal Finance Gr. 11, .5 credit	
		AP United States History Gr. 11-12, 1 credit	1
		AP U.S. Comparative Go Gr. 11-12, 1 credit	vernment & Politics
			Economics Gr. 12, .5 credit
			AP Economics Gr. 12, 1 credit

GLOBAL STUDIES 4150

Credit: 1 Level: 9

REQUIRED COURSE: This course or AP Human Geography (4160)

PREREQUISITE: None

APPROXIMATE FEES: \$5.00 for periodicals

COURSE DESCRIPTION: This course explores the world through a deep survey of physical and human geography. Students investigate the core geographic questions of location, distribution, and change, analyzing how the ongoing relationships between the physical world and human cultural systems shape the world today. The curriculum uses maps, geographic models, and resources on human cultures to foster an understanding of global interconnectedness. Students apply this knowledge through in-depth regional studies covering areas including the Americas, Europe, the Pacific, Africa, and Asia. This course provides a powerful, foundational perspective for students in preparation for future social studies courses.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

4160

Credit: 1 (weighted grade)

Levels: 9

REQUIRED COURSE: This course or Global Studies (4150)

PREREQUISITE: None

APPROXIMATE FEES: \$5.00 for periodicals

NOTES: This course requires completion of a summer assignment; Students may take the AP

exam for an additional fee.

COURSE DESCRIPTION: This course explores the dynamic relationship between human populations and the Earth's surface. Students develop the geographic tools and thinking processes needed to analyze how humanity has understood, used, and fundamentally changed the planet. The college-level curriculum investigates essential concepts such as migration patterns, cultural landscapes, and urban land use, fostering a deep understanding of spatial relationships across different scales. Key learning outcomes involve interpreting data, seeing patterns in visual sources, and connecting complex geographic theories to real-life scenarios.

Credit: ½ Level: 10

REQUIRED COURSE: This course or AP Government and Politics (4240)

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course provides a comprehensive study of the American political system, and is designed to cultivate active and informed participants in the democratic process. Students will gain a fundamental working knowledge of the Constitution, federalism, and republicanism, alongside the structures of local and state governments. The curriculum explores the historical and philosophical underpinnings of the Constitution and the Bill of Rights, using case studies to illustrate the functioning of the American government. Key topics also include analyzing the powerful influence of media and special interest groups on the modern political structure. Throughout the semester, students are encouraged to develop strong analytical and evaluative skills as they engage with these critical concepts.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT & POLITICS 4240

Credit: 1 (weighted grade) Levels: 10, 11 & 12

REQUIRED COURSE: This course or American Government (4230)

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This course engages students with the complexities of the American political system. Students study the key concepts and institutions of the political system and culture of the United States, focusing on the Constitution and the structures of the three branches of government. The college-level curriculum covers essential units, including Civil Liberties, Civil Rights, and Political Participation which require students to analyze Supreme Court decisions and connect concepts to real-life situations. This course emphasizes developing strong analytical skills, culminating in the ability to develop and support a thesis in an essay or complete a research or applied civics project.

ADVANCED PLACEMENT U.S. COMPARATIVE GOVERNMENT & POLITICS 4241

Credit: 1 (weighted grade) Levels: 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This course engages students with the complexities of global politics. Students conduct a detailed examination of the political institutions and processes across six key nations: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. The college-level curriculum develops essential analytical skills, requiring students to interpret data, analyze political systems, and compare how these countries address similar problems. Key learning outcomes involve connecting political theories to real-life scenarios and supporting a complex thesis in an essay.

ANCIENT CIVILIZATION BC-1350

4210

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course studies the emergence and the decline of various major civilizations of the ancient world. This comprehensive survey spans the period from the Paleolithic Era to the fall of Rome, paying special attention to how societies evolved from primitive agricultural communities to more advanced, consolidated civilizations. Students will gain a foundational understanding of important overarching social, political, religious, and economic themes. Key learning involves utilizing primary-source documents to understand the unique features of these societies, such as the emergence of Confucian philosophy. By the end of the course, students will possess a thorough and analytical view of the ancient world.

ADVANCED PLACEMENT WORLD HISTORY: MODERN

4315

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This course takes students on a challenging, college-level journey through the cultural, economic, political, and social developments that have shaped the modern world. The curriculum provides a deep analytical survey of global history from c. 1200 CE to the present day, covering units such as Land-Based Empires and Global Conflict. Students will develop essential historical thinking skills, including evaluating primary and secondary sources and putting historical events into context. A key component of the course is mastering the ability to analyze historical evidence and construct complex, argumentative essays.

Credit: 1 Level: 11

REQUIRED COURSE: This course or AP United States History (4490)

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This comprehensive survey of United States history designed to transform students into responsible, critically-thinking citizens. This course emphasizes historical analysis, underscoring the root causes and interconnections of events to reveal the economic, social, and political dynamics that have shaped the nation. Students will engage with diverse perspectives, examining major topics like the rise of social movements and the growth of federal institutions. To foster higher-level thinking, the curriculum integrates primary source work, historical novels, and major projects such as National History Day activities, with a strong emphasis on academic writing. This essential eleventh-grade course provides the skills necessary to analyze the past and interpret the forces driving the present.

ADVANCED PLACEMENT UNITED STATES HISTORY

4490

Credit: 1 (weighted grade) Levels: 11 & 12

REQUIRED COURSE: This course or US History (4110)

PREREQUISITE: None

APPROXIMATE FEES: None

NOTES: This course requires completion of a summer assignment; Students may take the AP

exam for an additional fee.

COURSE DESCRIPTION: This course is designed to cultivate essential skills for responsible, critically-thinking citizenship. This comprehensive survey course analyzes the root causes and complex interconnections of events, revealing the profound economic, social, and political dynamics that have shaped the nation from the turn of the twentieth century to the present day. Major topics covered include American Imperialism, the World Wars, the Great Depression, the Civil Rights Movement, and post-Cold War events. Students will hone higher-level thinking through engaging projects, including primary source analysis, use of historical novels, and National History Day activities, all with a strong emphasis on academic writing. This study equips students to evaluate the past, understand diverse perspectives, and interpret the forces driving the contemporary world.

CURRENT ISSUES 4410

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course is designed to sharpen students' skills as informed citizens of the United States and the global community. This thought-provoking class applies the major social studies disciplines civics, economics, geography, and history to thoroughly examine contemporary events and foster critical thinking. Students will refine their abilities to develop researchable arguments, evaluate multiple sources, and articulate researched positions in both live discussions and organized argumentative essays. Key topics explored typically include the impact of Cell Phones and Technology, solutions to Poverty in America, and the ethics of Government Surveillance. By researching all sides of complex issues and using evidence to support their claims, students discover their values and prepare to take informed action on challenges that matter most.

LAW AND SOCIETY 4245

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course explores the fundamental relationship between citizens and the legal system in achieving justice for all. This class directly engages with the constitutional guarantee of "equal protection of the laws" by asking critical questions about the purpose of law, the structure of the legal system, and avenues for improvement. Students will thoroughly investigate key areas of law, including the components of Criminal Law and Civil Law, evaluating the procedures, constitutional protections, and roles of different participants in trials. Learning is highly active, involving research, debate, and mock trials to help students understand their own role within this system. This course is essential for understanding how the legal system works to resolve disputes and provide order in society.

SOCIOLOGY 4460

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

COURSE DESCRIPTION: This course offers students a broad overview of social interaction, organization, and pervasive social problems. Students will develop critical analysis skills by applying multiple theoretical perspectives to understand how society shapes human behavior and attitudes. The curriculum delves into complex issues such as social classes, gender roles, and population growth, alongside social ills like prejudice, sexism, ageism, and racism. Through the study of ethical research, culture, and social stratification, students learn to critically evaluate sources and articulate informed positions on a variety of topics. This course provides a vital foundation for understanding group interactions, conflict, and cooperation within the global community.

4480

ADVANCED PLACEMENT PSYCHOLOGY

Credit: 1 (weighted grade) Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTES: Students may take the AP exam for an additional fee.

This course elective contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

COURSE DESCRIPTION: This college-level course scientifically explores the core ideas, theories, and methods behind human behavior and mental processes. Students will master the material by engaging in rigorous reading, discussion, and analysis of data from authentic psychological research studies. The curriculum is structured around major units such as the Biological Bases of Behavior and Cognition, helping students connect complex psychological concepts to real-life scenarios and interpret research findings. This academic experience demands a high level of critical thinking and prepares students for the AP exam while providing a strong foundation for future social science studies.

PERSONAL FINANCE 4402

Credit: ½ Level: 11 or 12

REQUIRED COURSE: This course or College Personal Finance (7510) or Economics (4400) or

AP Economics (4405)

APPROXIMATE FEES: None

COURSE DESCRIPTION: This is a comprehensive course designed to equip students to become informed consumers and effective money managers. This essential course fulfills the Wisconsin Act 60 Personal Financial Literacy Requirement while providing practical, real-world instruction on topics like Budgeting, Saving and Investing, Taxes, and managing Credit. Students learn that personal financial decisions are based on personal goals and that financial independence begins early.

ECONOMICS 4400

Credit: ½ Level: 12

REQUIRED COURSE: This course or AP Economics (4405) or College Personal Finance (7510) or

Personal Finance (4402)

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course provides a foundational understanding of a market economy. Students will explore the central challenges posed by scarcity and learn how incentives drive individuals and businesses to make daily decisions and complex life choices. This course introduces the basic concepts of the two major branches of the discipline: microeconomics, focusing on individual actors, and macroeconomics, analyzing the whole economy, including topics like Gross Domestic Product (GDP). Furthermore, students gain key principles of personal finance and strategies for long-term financial security. By mastering these economic concepts, students are better prepared to make informed decisions and lay the groundwork for continued study in this vital field.

ADVANCED PLACEMENT ECONOMICS

Credit: 1 Level: 12

REQUIRED COURSE: This course or Economics (4400) or College Personal Finance (7510) or

4405

Personal Finance (4402)

PREREQUISITE: Algebra II

APPROXIMATE FEES: \$23.00 for AP workbook and licensed resources

NOTE: Students may take the AP exams for additional fees.

COURSE DESCRIPTION: This college-level course is divided into two major economic disciplines: Microeconomics, which focuses on the behavior of individuals and firms within an economic system, and Macroeconomics, which explores the economic system as a whole, investigating issues such as economic growth, unemployment, and policy. Key units of study include Supply and Demand, Market Failure and the Role of Government, and Economic Indicators. A critical component of this rigorous course is the analysis and application of economic models, requiring students to define and explain key theories, determine outcomes of specific financial situations, and primarily use mathematical equations, graphs, charts, and data to analyze, describe, and visually represent complex economic concepts. Successful completion of Algebra II is a prerequisite for this course. Students will have the opportunity to take two separate AP exams (Microeconomics and Macroeconomics), potentially earning college credit.

TECHNOLOGY AND ENGINEERING

Grade 9	Grade 10	Grade 11	Grade 12	
Small Engines & Power Gr. 9-12, .5 credit	r Technologies 1			
Wood Technologies 1 Gr. 9-12, .5 credit				
Architectural Drafting Gr. 9-12, .5 credit				
Metals & Manufacturing Technologies Gr. 9-12, 1 credit				
College Intro to Engineering Design - PLTW Gr. 9-12, 1 credit #				
Automation & Robotic Gr. 9-12, .5 credit	s			
	Transportation Technol Gr. 10-12, 1 credit	logies		
	Small Engines & Power Gr. 10-12, .5 credit	Technologies 2		
	Wood Technologies 2 Gr. 10-12, .5 credit			
	Automated Manufactu Gr. 10-12, 1 credit	ring Technologies		
	College Principles of Er Gr. 10-12, 1 credit #	ngineering - PLTW		
	College Civil Engineerin Gr. 10-12, 1 credit #	ng & Architecture - PLTW		
		Transportation Capston Gr. 11-12, 1 credit	e	
		Manufacturing & Desig Gr. 11-12, .5 or 1 credit		
		Wood Technologies & C Gr. 11-12, 1 credit	Design Capstone	
			College PLTW Capstone	

KEY: Prerequisite, No Prerequisite, # = College Credit Available

Gr. 12, 1 credit #

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$15.00 for lab supplies

COURSE DESCRIPTION: This hands-on course is designed to build fundamental skills in mechanical maintenance and energy systems. This class is split into two focused segments: one dedicated to a broad overview of power technologies and energy conversion, and the second on the in-depth repair of two and four-cycle engines. Students will work directly with equipment such as snow blowers and lawn mowers, gaining practical experience in systems like the carburetor, governor, and ignition. The primary goal is to master the use of specialty tools and specific repair procedures needed to perform tasks for the official Briggs and Stratton Master Service Technician (MST) Certification. This course provides invaluable experience in diagnostics and repair, preparing students for both future career pathways and general equipment maintenance.

SMALL ENGINES & POWER TECHNOLOGIES 2

8105

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: Small Engines & Power Technologies 1(8100)

APPROXIMATE FEES: \$15.00 for lab supplies

COURSE DESCRIPTION: This advanced, hands-on course is designed for students seeking industry-recognized expertise in engine maintenance and repair. Building on the foundational skills from Level 1, this class focuses intensely on advanced diagnostics and repair of two and four-cycle engines, preparing students for real-world technical challenges. The curriculum centers on the official Briggs and Stratton Master Service Technician (MST) Certification, with students actively testing for the certification throughout the semester. Key topics involve a deeper study of engine components, identifying failure modes, and performing specialized repair procedures. This course offers a significant opportunity for students committed to a career in mechanical or power technology fields.

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Small Engines & Power Technologies 2 (8105)

APPROXIMATE FEES: \$30.00 for lab supplies

COURSE DESCRIPTION: This hands-on course designed to familiarize students with the complex systems of the modern automobile. This course requires a prerequisite of Small Engines and Power Technologies, establishing a strong foundation in mechanical systems. Students will thoroughly study a variety of critical vehicle components, including engine design, cooling, brake, and electrical systems. The curriculum is structured around practical lab activities focused on maintaining and testing these functions. The core goal of this course is to prepare students to pursue the industry-recognized National Institute for Automotive Service Excellence (ASE) Maintenance and Light Repair Certification, which is offered at the end of the course.

TRANSPORTATION CAPSTONE

8160

Credit: 1 Levels: 11 & 12

PREREQUISITE: Transportation Technologies (8140) and Teacher Consent

APPROXIMATE FEES: \$25.00 for lab supplies

COURSE DESCRIPTION: This advanced course is designed to connect high school learning directly to post-graduation goals. This unique opportunity requires successful completion of Transportation Technologies and teacher consent. Students will apply for a Youth Apprenticeship and actively work alongside professionals in an automotive field. The primary purpose is to apply technical knowledge gained from primary resources, such as the Modern Automotive text, to a personal interest relevant to career aspirations. This capstone experience is the ultimate application of skills, integrating real-world work with official certification programs like ASE/Wisconsin Automotive Dealers Certification.

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$25.00 for lab supplies

COURSE DESCRIPTION: This introductory course designed to immerse students in general woodworking practices and expand their knowledge of the construction and woodworking industries. Students will master the safe use of hand tools, power tools, and woodworking machinery while applying their skills to various prescribed projects. Key learning objectives include accurate measurement, wood species identification, terminology, project cost estimation, and the proper techniques for finishing wood. Through hands-on experience with tools, joinery, and assembly processes, the course provides a foundational understanding of construction processes and fosters problem solving skills. Upon successful completion, students will gain valuable woodworking skills and a broader understanding of career pathways within the construction and woodworking fields.

WOOD TECHNOLOGIES 2

8361

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Wood Technologies I (8360) APPROXIMATE FEES: \$40.00 for lab supplies

COURSE DESCRIPTION: This course builds on foundational skills by focusing on the complex processes and techniques used in the commercial production of furniture and wooden products today. Students will master professional-grade equipment, investigate principles of mass production and universal design, and apply meticulous measurement to successfully craft a project to industry standards, including detailed assembly, joinery, and finishing work. This experience develops career-ready problem-solving skills highly sought after in woodworking and construction fields, culminating in the opportunity to earn the valuable Industry Recognized SawBlade-Core Credential Certification.

Credit: 1 Levels: 11 & 12

PREREQUISITE: Wood Technologies II (8361) APPROXIMATE FEES: \$50.00 for lab supplies

COURSE DESCRIPTION: In this course students develop and execute a personalized project that showcases their advanced skills in design and manufacturing. This capstone course begins with a teacher-led project, transitioning into a dynamic, self-directed project where you connect your learning to personal interests and post-high school goals. Students will utilize all previously learned skills, alongside new, high-level techniques in measurement, design, and commercial production processes to create a unique piece, which can range from personalized cabinetry to storage buildings. The curriculum includes collaboration with outside sources and an emphasis on the design process, preparing students to present their finished product upon completion.

ARCHITECTURAL DRAFTING

8430

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$15.00 for lab supplies

COURSE DESCRIPTION: In this course students learn the foundations of architecture and design, developing the essential skills used to plan and document residential structures. Students will learn how to read an architectural scale and master the principles of design and layout. A primary focus is learning to operate Revit, a modern CAD program (Computer-Aided Design), to create various 3D models and types of plans for residential buildings, including cost estimations and specifications. The capstone is a comprehensive project where students design a sustainable, affordable single-family home that meets codes and client needs. This course is an excellent starting point for students interested in architectural and engineering careers.

METALS & MANUFACTURING TECHNOLOGIES

8460

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$30.00 for lab supplies

COURSE DESCRIPTION: This hands-on, project-based course is designed to introduce students to major metalworking skill sets used in the industry. This exciting class equips high school students with skills in industry standards for safety, machine operation, design, and production. Students complete projects based on the National Institute for Metal-Forming Skills (NIMS) standards, gaining experience in technical drawing, precision measurement, and material science. Whether a student is interested in machining, engineering, or project construction, this course offers an excellent introduction to the world of metals and manufacturing.

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Metals & Manufacturing Technologies (8460)

APPROXIMATE FEES: \$35.00 for lab supplies

COURSE DESCRIPTION: This project-based course introduces students to essential in Computer Numeric Control (CNC) metalworking techniques used in the industry. This engaging class emphasizes safety, machine operation, and industry standards, with performance based on the HAAS manufacturing standards. Students gain hands-on experience with technical drawing, precision measurement, material science, and design modeling, all while transforming raw materials into finished products. The course provides an excellent introduction for students interested in CNC machining, engineering, or technology, helping them prepare for post-secondary education or the workforce. Students in this course have the opportunity to earn the Industry Recognized HAAS Certification Credential.

MANUFACTURING & DESIGN CAPSTONE

8499

Credit: 1 Levels: 11 & 12

PREREQUISITE: Automated Manufacturing Technologies (8480)

APPROXIMATE FEES: \$35.00 for lab supplies

COURSE DESCRIPTION: This project-based course allows students to showcase and apply their advanced metalworking and design skills. Serving as a comprehensive final event, this class empowers students to transition from following established plans to executing original designs for custom projects, which can range from personalized cabinetry to storage buildings. The curriculum emphasizes integrating commercially-oriented manufacturing concepts and skills from prior courses including precision measurement, safety protocols, and advanced assembly techniques while encouraging high-level collaboration with outside industry sources. This capstone experience provides an invaluable opportunity to pursue a personal interest and create a distinctive final portfolio piece that directly relates to future education or career goals.

AUTOMATION & ROBOTICS

8600

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$10.00 for lab supplies

COURSE DESCRIPTION: This course provides an overview of robotics, mechanisms, motion, and automation. This modular, project-based class engages students in the design process to solve real-world problems. Using the VEX Robotics® platform, students will explore mechanical systems, energy transfer, and computer control systems as they design and program an automated factory assembly line. Upon completion, students will have a strong foundation in the engineering design problem-solving process and the application of gear ratios and mechanisms.

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$20.00 for lab supplies

NOTE: Students who successfully complete the PLTW End-of-Course assessment may be eligible

for college credits.

COURSE DESCRIPTION: In this Project Lead The Way course, students are introduced to the philosophy of technical problem solving. Students will study and practice brainstorming, sketching, geometric solids, measurement, materials, 3-D CAD, dimensioning, and isometric drawings. Communication skills, which include sketching, technical drawing, report writing, and presentations, are addressed. Students work in teams to solve problems that are influenced by consumer, marketing, and technical considerations. This is a hands-on laboratory and computer intensive course that allows students to experience design and technology issues. Projects include: Puzzle Cube, Custom LEGO brick, Toy Train and Reverse Engineering Display.

COLLEGE PRINCIPLES OF ENGINEERING - PLTW

8520

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: College Introduction to Engineering Design - PLTW (8510) and concurrent

enrollment in a math course

APPROXIMATE FEES: \$20.00 for lab supplies

NOTE: Students who successfully complete the PLTW End-of-Course assessment may be eligible for college credits. If course requests are sufficient, this course will be offered on odd years (2027-28, 2029-30, 2031-32, etc.)

COURSE DESCRIPTION: This hands-on course serves as a student's second exposure to the Project Lead The Way (PLTW) Engineering curriculum. This engaging course introduces students to a broad range of engineering concepts across disciplines like mechanical design, product development, robotics, and infrastructure. Students develop technical skills by applying the engineering design process, using industry tools such as 3-D modeling software, prototyping equipment, and robotics hardware to solve real-world problems. Through collaborative projects, students gain crucial skills in problem solving, critical thinking, communication, and ethical reasoning while exploring the impacts of engineering decisions on the world. The Autodesk Certified User: Fusion 360 Industry Recognized Credential exam will be offered to students.

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: College Introduction to Engineering Design - PLTW (8510) and concurrent

enrollment in a math course

APPROXIMATE FEES: \$20.00 for lab supplies

NOTE: Students who successfully complete the PLTW End-of-Course assessment may be eligible for college credits. If course requests are sufficient, his course will be offered on even years (2026-27, 2028-29, 2030-31, etc.)

COURSE DESCRIPTION: This specialized, project-based course from the Project Lead The Way Engineering Program teaches students to apply principles of math, science, and standard engineering practices to the fundamentals of building and site design for both residential and commercial projects. The curriculum emphasizes practical skills such as project management, code research, and the use of current 3D architectural design software to document and communicate solutions. Through hands-on challenges and team collaboration, students explore career pathways and develop professional skills while learning about structural systems, utilities, and sustainable building practices. The Autodesk Certified User: Revit Industry Recognized Credential exam will be offered to students.

COLLEGE PLTW CAPSTONE

8571

Credit: 1 Level: 12

PREREQUISITE: College Introduction to Engineering Design (8510) and College Principles of

Engineering (8520) or College Civil Engineering & Architecture (8550)

APPROXIMATE FEES: \$25.00 for lab supplies

NOTE: Students who successfully complete the PLTW End-of-Course assessment may be eligible for college credits.

COURSE DESCRIPTION: This rigorous, open-ended capstone course challenges students to work in teams to identify a community issue, conduct in-depth research, and apply a professional engineering design process to create an original solution. Teams will design, build, and test a working prototype, continually refining their work based on data and expert feedback. The course culminates in students presenting and defending their solution to an outside panel of engineers, providing an unparalleled opportunity to hone organizational, communication, and problem-solving skills for success in any post-secondary program or career. The Industry Recognized Credential Autodesk Certified User: Fusion 360/Revit exam will be offered to students who did not have an opportunity to take it as a level 2 student.

VISUAL ARTS

Grade 9	Grade 10	Grade 11	Grade 12
2-D Drawing & Design Gr. 9-12, .5 credit			
3-D Design			
Gr. 9-12, .5 credit			
Technical Theatre: Set Gr. 9-12, .5 credit	Design & Build		
	Jewelry Design		
	Gr. 10-12, .5 credit		
	College Commerical Art/Graphic Design Gr. 10-12, 1 credit #		
	Introductory Ceramics Gr. 10-12, .5 credit		
	Advanced Ceramics Gr. 10-12, .5 credit		
	Sculpture Gr. 10-12, .5 credit		
	Drawing Gr. 10-12, .5 credit		
	Cultural Art Gr. 10-12, .5 credit		
	Calligraphy Gr. 10-12, .5 credit		
		Watercolor Gr. 11-12, .5 credit	
		Painting Gr. 11-12, 1 credit	
		College Digital Photog Gr. 11-12, .5 credit #	raphy
		Advanced Photograph Gr. 11-12, .5 credit	у
		AP Art History Gr. 11-12, 1 credit	
			AP Art & Design Gr. 12, 1 credit
			Independent Study-Art Gr. 12, .5 credit

KEY: Prerequisite, No Prerequisite, # = College Credit Available

2-DIMENSIONAL DRAWING & DESIGN

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$20.00 for paper, paint and other materials

COURSE DESCRIPTION: This foundational course is crafted to equip students with essential artistic and life skills, serving as a prerequisite for most advanced art offerings. Students will be introduced to fundamental studio practices including drawing, painting, printmaking, and collage. The curriculum focuses on developing an understanding of effective composition through the elements and principles of design and encouraging critical thinking, problem-solving, and the development of unique, well-crafted works of art. Throughout the semester, students will explore concepts like human visual development, finding multiple creative solutions, and the value of taking artistic risks. This exploration encourages students to formulate original concepts, utilize deliberate media choices, and apply interdisciplinary perspectives in their work

3-DIMENSIONAL DESIGN

6120

6110

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$20.00 for metal, fasteners, and other materials

COURSE DESCRIPTION: This course actively develops students' ability to think and create in three dimensions, equipping them with the technical skills for sculptural problem-solving. Students will receive instruction in the use of specialized tools, materials, and techniques for both additive and subtractive sculptural formats. The curriculum is structured around the study and application of the elements and principles of design in three-dimensional art, which forms the foundation for all units. Key projects involve working with various media, such as paper, ceramics, and found objects, to explore high and low relief and formulate original concepts. This course empowers students to develop strong observational skills, technical proficiency, and the capacity for critical analysis of three-dimensional forms.

TECHNICAL THEATRE: SET DESIGN & BUILD 6125

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$35.00 for paint and other materials

COURSE DESCRIPTION: This course focuses on the fundamentals of theatrical set design, from initial artistic conception to practical, physical application. Students will learn the 7-point design process and essential skills, including script analysis, conceptual design, and forced perspective drawing. A significant focus is placed on safe and proper use of equipment, construction of flats and platforms, and the application of color theory and painting techniques. Through hands-on work, particularly with current productions, students gain practical experience with tools, hardware, stage equipment, and lighting/sound systems. This course develops the ability to support and enhance a unified theatrical vision by transforming abstract ideas into physical realities. In addition, students will explore project management skills, stage management, and creating a materials list and budget with an opportunity to participate as assistant technical director, stage manager, or crew member on current and future productions. Participation in the production (Fall Play or Winter Musical) is encouraged.

CULTURAL ART 6130

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$30.00 for beads, clay and other materials

COURSE DESCRIPTION: This course is designed for students interested in exploring diverse global traditions by creating artwork inspired by various cultures. This course emphasizes the profound idea that visual art reflects and is shaped by the culture and society in which it is created. Students will engage in studio projects such as ceramics, painting, sculpture, and cultural crafts that involve techniques like bead-weaving, carving, dyeing, and mosaics. The curriculum focuses on analyzing the characteristics of specific art styles and understanding the social, cultural, and historical contexts that influence artistic choices. This class develops the ability to recognize artistic commonalities across different cultures to create unique, well-crafted works of art.

CALLIGRAPHY 6140

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$25.00 for pen nibs, paper and ink

COURSE DESCRIPTION: This course offers an introduction to the artistic practice of elegant and legible handwriting, emphasizing both historical significance and contemporary application. Students will receive instruction in the fundamentals of broad tip writing and master at least two distinct scripts (Chancery Cursive and Uncial), chosen for their simplicity, elegance, and historical significance. The curriculum provides historical background on the development and necessity of these scripts, exploring their revival and career applications today. Through engaging studio practices, including the creation of Illuminated Letters and formal documents, students will formulate original concepts and develop well-crafted works of art. This class connects artistic skill with cultural context, allowing students to compare purposes of art across various social and historical settings.

DRAWING 6150

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$20.00

This is an advanced course that builds upon foundational skills, challenging students to further develop their abilities in observation and technique by creating art from both the natural and the abstract. Students will explore diverse mediums, including pencil, ink, charcoal, pastel, and printmaking, while focusing on the creative process and final product. The curriculum encourages deep cognitive thought through analysis and synthesis, using visual art as a powerful communication tool to express personal experience and response to the world. Key projects can include a Nature Analysis/Macro Drawing study, a drawing with cut paper, a creative Pen and Ink assignment, an introspective Self-Portrait and a printmaking experience, all while analyzing historical and contemporary master artists.

INTRODUCTORY CERAMICS

6170

Credit: 1/2 Levels: 10, 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$30.00 for clay, glazes, and other materials

COURSE DESCRIPTION: This is a foundational course that teaches students how to hand-build a range of clay projects, moving from decorative to utilitarian in nature. Students will master several essential hand-building processes, including coil, slab work, hollow forms, and carving. The curriculum delves into the terminology and unique properties of clay and covers various finishing techniques, such as simple carving, graffito carving, slip trailing, painting, glazing and firing in a kiln. Through practice and experimentation, students develop unique, well-crafted works by engaging in critical thinking and sculptural problem-solving using both additive and subtractive processes. This course develops original concepts while providing the technical knowledge necessary to transform abstract ideas into finished ceramic art.

ADVANCED CERAMICS

6171

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Introductory Ceramics (6170)

APPROXIMATE FEES: \$30.00 for clay, glazes, and other materials

COURSE DESCRIPTION: This course offers experienced students an opportunity for concentrated study in a multitude of advanced clay surface and construction techniques, building upon skills mastered in the introductory ceramics course. This class provides continued focus on advanced hand and slab building techniques, while also incorporating a foray into mixed media clay work. Students will see an emphasis on the progression of skill in wheel work, clay sculpture, and clay portraiture to refine their technical mastery. A key highlight is participation in the exciting Japanese Raku Firing technique, which introduces students to specialized, dramatic finishing processes. This course requires a prior foundation in ceramics and encourages students to develop a strong artistic voice through complex problem-solving and the creation of a sophisticated body of work.

SCULPTURE 6172

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: 3-Dimensional Design (6120) or Wood Technologies 1 (8360)

APPROXIMATE FEES: \$45.00 for clay, glazes, and other materials

COURSE DESCRIPTION: This advanced course teaches students to expand their knowledge of three-dimensional art by exploring the properties and manipulation of various sculptural media. The class emphasizes skill development and safe practices across the sculpture, woods, and metals studio classrooms. Students engage in both traditional and innovative methods, working with diverse materials such as ceramic, wood, foam, plaster, fabric, found objects, etc. and 3D printing/laser engraving. The curriculum focuses on expanding artistic awareness and technical abilities to help students develop their unique personal aesthetic. This course encourages students to formulate original concepts, utilize complex problem-solving, and transform materials into sophisticated, well-crafted works of art.

JEWELRY DESIGN

6180

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$35.00 for metals, solder, enamel, and other materials

COURSE DESCRIPTION: This course focuses on both the artistic conception and practical creation of various types of wearable art through metalsmithing techniques. Students will master essential skills, including enameling, riveting, and torchwork (soldering and fusing), while exploring design possibilities with copper and sterling silver. The curriculum emphasizes creativity, experimentation, and craftsmanship by using diverse materials such as fibers, beads, and modern technology like laser engravers. Through studio practice, students analyze the historical and cultural purposes of art to inform their designs and solve complex visual problems. This course empowers students to develop unique, well-crafted works of art and establish a strong foundation in the professional craft of metalsmithing.

WATERCOLOR 6190

Credit: 1/2 Levels: 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$25.00 for paint, paper, and other materials

COURSE DESCRIPTION: This course establishes a solid foundation in the medium of transparent watercolor through a comprehensive program blending practice with practical application. Students will develop specialized skills in working with the medium, focusing intensely on color mixing, color theory, and composition. The curriculum explores how watercolor can be utilized to make flat design work more interesting and expressive by creating and using visual textures and contrast. Emphasis is placed on using the elements and principles of design to create cohesive and engaging compositions. This course allows students to express themselves creatively as they refine their technical abilities and translate their ideas into unique, expressive works of art.

PAINTING 6220

Credit: 1 Levels: 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120);

Drawing (6150)

APPROXIMATE FEES: \$80.00 for oil paint, brush sets and canvas

NOTE: Painting or Commercial Art must be taken as a junior to take AP Studio as a senior.

COURSE DESCRIPTION: This course offers students an artistic means of expression, focusing on the development of composition and color theory skills while working extensively with oil paint and acrylics. The first semester emphasizes technical proficiency by mastering various painting techniques and relevant art history, including the use of a variety of underpainting techniques. Students dedicate the second semester to explore areas like landscape, figure, and abstract expression to develop their own unique artistic style. This course is designed to empower students to formulate original concepts, communicate personal experience, and understand how painting reflects individual and cultural differences globally.

6230

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: College Digital Photography OR 2-Dimensional Drawing & Design (6110)

APPROXIMATE FEES: \$30.00 for paper, ink, and other materials

NOTE: This course is aligned with MATC for six (6) transcripted college credits if a student receives a grade of C or better. This course must be taken as a junior to pursue AP Studio as a senior.

COURSE DESCRIPTION: provides students with a professional overview of commercial art careers by focusing on the application of design principles to real-world communication challenges. Students will learn to creatively solve design problems using industry-standard software, specifically Adobe Photoshop® and Illustrator®. The class operates as a simulated commercial art studio, where students work on diverse projects for the school and community, which may include logos, posters, menus, and T-shirt designs. This practical, client-focused environment allows students to develop a professional work ethic and a sophisticated understanding of contemporary design.

COLLEGE DIGITAL PHOTOGRAPHY

6240

Credit: 1/2 Levels: 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$30.00 for paper, ink, and other materials

NOTE: This course is aligned with MATC for three (3) transcripted college credits if a student

receives a grade of C or better.

COURSE DESCRIPTION: This course introduces students to modern photo technology as a powerful tool for fine art, documentary, and social media applications. Students will master the basic technical and aesthetic qualities of digital photography, focusing on the use of manual camera settings to take control of their images created with smart phones or digital cameras. The curriculum includes extensive use of Adobe Photoshop© for editing and enhancing images within the "electronic darkroom." This course explores essential concepts such as composition, lighting, and color theory to help students develop a strong artistic vision and technical proficiency.

ADVANCED PHOTOGRAPHY 6241

Credit: ½ Levels: 11 & 12

PREREQUISITE: College Digital Photography (6240)

APPROXIMATE FEES: \$30.00 for plexi, paper, paint, and other materials

COURSE DESCRIPTION: This course focuses on advanced techniques in Adobe Photoshop© and experimental photography. Students will move beyond basic editing to explore photography as an art form and a tool for visual communication. Key units emphasize combining digital work with traditional mediums like watercolor and collage, creating digital drawings and paintings using Cintiq monitors, and mastering alternative presentation methods such as bookbinding and low-relief displays. Students will cultivate critical thinking, develop unique concepts through practice and revision, and curate a sophisticated body of work that communicates a personal point of view.

ADVANCED PLACEMENT ART: 2-D/Drawing 6250

Credit: 1 (weighted grade) Level: 12

PREREQUISITE: Painting (6220) or College Commercial Art/Graphic Design (6230)

APPROXIMATE FEES: \$70.00 for art supplies

NOTES: This course requires completion of a summer assignment; students may take the AP

exam for an additional fee.

COURSE DESCRIPTION: This course takes students through a rigorous exploration of advanced artistic concepts and personal expression. This course is for dedicated students ready to develop a sophisticated portfolio that reflects college-level artistic inquiry and skill mastery. Students will investigate materials and processes, creating original artwork through diverse 2-D mediums such as graphic design, photography, and traditional mediums such as painting and collage. The core focus is on sustained investigation, encouraging students to practice, experiment, and revise as they develop a cohesive body of work based on their own ideas and skills. Upon completion, students will prepare and submit a high-quality portfolio of selected works for the AP exam, demonstrating their ability to communicate complex ideas about art and design.

ADVANCED PLACEMENT ART: 3-D DESIGN 6251

Credit: 1 (weighted grade) Level: 12

PREREQUISITE: Painting (6220) or College Commercial Art/Graphic Design (6230) for 2-D;

Sculpture (6172) or Advanced Ceramics (6171) for 3-D

APPROXIMATE FEES: \$70.00 for art supplies

NOTES: This course requires completion of a short summer assignment; students may take the

AP exam for an additional fee.

COURSE DESCRIPTION: This course is a challenging and rewarding exploration of three-dimensional artistic concepts. This advanced course is for motivated students who want to develop a professional-quality portfolio demonstrating college-level skill and inquiry. Students will investigate diverse 3-D materials and processes, creating original artwork through mediums such as sculpture, ceramics and metal work - using materials such as ceramic, wood, foam, plaster, fabric, found objects, etc. and 3D printing/laser engraving. The curriculum focuses on practicing, experimenting, and revising to build a sustained investigation body of work that reflects personal ideas and skills. Students will complete and submit a curated portfolio of selected works for the AP exam, demonstrating their ability to communicate complex ideas about three-dimensional design.

ADVANCED PLACEMENT ART HISTORY

6255

Credit: 1 (weighted grade) Levels: 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$72.00 for workbook and printouts

NOTES: If course requests are sufficient, this course will be offered on even years. (2026-2027,

2028-2029, etc.). Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This course explores art from prehistory to the present, covering works from the Ancient Mediterranean to the Global Contemporary era. Students will learn to evaluate and analyze works of art from different eras and cultures, seeing connections across various artistic traditions and styles. Through observation, discussion, reading, and research, students will develop theories about a work's meaning and learn to explain and support their interpretations.

Credit: ½ or 1 Level: 12

PREREQUISITE: Department Approval

APPROXIMATE FEES: \$35.00 per semester for art supplies

COURSE DESCRIPTION: This course is designed for highly motivated twelfth-grade students and runs concurrently with AP Studio Art, but allows students to expand their art skills and build a portfolio without the formal AP rigor. You will work directly with the instructor to establish personal goals, choose your own subjects, and create a course learning plan that reflects your individual interests and style. Students are responsible for monitoring their own progress and will determine the number of projects and assignments in consultation with the teacher. This unique structure offers independence and flexibility, allowing you to explore diverse mediums and work at your own pace. Students may take this course for one semester or the entire school year.

WORLD LANGUAGES

Grade 9	Grade 10	Grade 11	Grade 12
German 1 Gr. 9-12, 1 credit			
German 2 Gr. 9-12, 1 credit			
	German 3 Gr. 10-12, 1 credit		
		German 4 Gr. 11-12, 1 credit	
			AP German Gr. 12, 1 credit
French 1 Gr. 9-12, 1 credit			
French 2 Gr. 9-12, 1 credit			
	French 3 Gr. 10-12, 1 credit		
		French 4 Gr. 11-12, 1 credit	
			AP French Gr. 12, 1 credit
Spanish 1 Gr. 9-12, 1 credit			
Spanish 2 Gr. 9-12, 1 credit			
	Spanish 3 Gr. 10-12, 1 credit		
		Spanish 4 Gr. 11-12, 1 credit	
			AP Spanish Gr. 12, 1 credit

KEY: Prerequisite, No Prerequisite, # = College Credit Available

World language is not a graduation requirement. However, two years of a world language may be required at some colleges, and three to four years of a single world language is highly recommended. Colleges view world language as a core subject.

FRENCH 1 5110

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$10 for periodicals

COURSE DESCRIPTION: This course welcomes starting language learners and provides practice in the core skills of listening, speaking, reading, and writing. Students will obtain, exchange, and present basic information in real-life contexts, enabling them to introduce themselves, discuss leisure activities, and talk about school. The curriculum is structured to help students communicate effectively, fostering a better understanding of their own language and culture while exploring products, practices, and perspectives of Francophone communities. This foundational course develops cultural competence and expands global connections, setting the stage for future language studies.

FRENCH 2 5120

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: 73% or better in French 1 (5110) or teacher recommendation

APPROXIMATE FEES: \$10 for periodicals

COURSE DESCRIPTION: This course builds directly upon the foundational skills acquired in French 1, expanding students' ability to communicate using more complex language structures. Students will engage in activities based in real-life contexts, practicing listening, speaking, reading, and writing through authentic French materials. Key learning outcomes include the ability to make suggestions, express opinions and advice, and relate a sequence of past, present, and future events both orally and in writing. Through the exploration of French culture, students will further develop global competence and gain new perspectives on topics like shopping, food, and daily life.

FRENCH 3 5130

Credit: 1 Levels: 10, 11 & 12 PREREQUISITE: French 2 (5120) APPROXIMATE FEES: None

COURSE DESCRIPTION: This course builds on concepts from French 1 and 2, and introduces new and challenging grammatical concepts and requires a deeper commitment to language production. The class is conducted almost exclusively in French, with learners expected to use the language at all times to promote proficiency and intrinsic motivation. You will engage in cultural comparisons and sophisticated analysis while exploring complex topics like travel, current events, and media. Success in this course prepares students for the highest levels of French study by fostering advanced communication skills and cross-cultural understanding.

FRENCH 4 5140

Credit: 1 Levels: 11 & 12 PREREQUISITE: French 3 (5130)

APPROXIMATE FEES: \$20.00 for online subscription

COURSE DESCRIPTION: This advanced course fully immerses students in the French language, with activities embedded in authentic, real-life contexts. Students will handle increasingly complicated situations and transactions in Francophone cultures by discussing and writing about current, past, future, and hypothetical events. Students will practice reacting to themes and significant details in literature, music, and visual arts, including researching and discussing major artistic movements. This course is designed to build on all previous language acquisition, allowing students to report on expressive products and create original stories based on personal experiences, deepening their communication skills and global perspectives.

ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE 5150

Credit: 1 (weighted grade) Level: 12

PREREQUISITE: French 4 (5140)

APPROXIMATE FEES: \$20.00 for online subscription

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This highly rigorous course is conducted almost exclusively in French and aims for students to achieve fluency and cultural competence equivalent to a fourth-semester university course. Students will develop advanced proficiency in all three modes of communication (interpersonal, interpretive, and presentational), through the study of authentic materials like literature, film, and news articles. Key themes explored include Families in Different Societies, The Influence of Language and Culture on Identity, Influences of Beauty and Art, How Science and Technology Affect our Lives, Environmental, Political and Societal Challenges. This course prepares students to confidently hold real-life conversations, write sophisticated texts, and demonstrate a deep understanding of Francophone cultures in preparation for the AP exam.

GERMAN 1 5210

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$8.00 for National German Exam Fee

COURSE DESCRIPTION: This foundational course is designed for beginning learners, providing practice in the core skills of listening, speaking, reading, and writing through real-life activities and authentic materials. Students will learn to obtain, exchange, and present basic information on various topics, including self, family, school, and leisure activities. The curriculum is structured to help students use the target language effectively, fostering a better understanding of their own language and culture while exploring the unique products, practices, and perspectives of German-speaking communities. This course develops essential language skills and cultural competence, preparing students for future study.

GERMAN 2 5220

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: 73% or better in German 1 (5210) or teacher recommendation

APPROXIMATE FEES: \$8.00 for National German Exam Fee

NOTE: Students who have successfully completed this course are eligible to participate in the

German American Partnership Program.

COURSE DESCRIPTION: This course significantly expands upon the foundational skills and vocabulary learned in German 1, focusing on using more complex grammar and engaging in deeper conversations. Students will participate in activities embedded in real-life contexts, practicing listening, speaking, reading, and writing through authentic German materials. Key learning outcomes include the ability to make suggestions, express opinions and advice, and relate a series of past, present, and future events both orally and in writing. Through the analysis of authentic German sources, students will gain greater cultural and linguistic perspectives on topics like German holidays, traditions, and daily life.

GERMAN 3 5230

Credit: 1 Levels: 10, 11 & 12 PREREQUISITE: German 2 (5220)

APPROXIMATE FEES: \$25.00 for workbook and National German Exam

NOTE: Students who have successfully completed this course are eligible to participate in the

German American Partnership Program.

COURSE DESCRIPTION: This course dramatically increases intensity and student expectations across all four modes of communication (Reading, Writing, Speaking and Listening). Building on foundational concepts, this level introduces new and challenging grammatical structures, cultural comparisons, and deeper critical thinking. Students will engage with authentic German materials in real-life contexts, enabling them to make suggestions, ask and answer increasingly complex questions, and write about current, future, and hypothetical events. The curriculum includes reading longer literary passages like short stories and writing extended responses, preparing students for advanced study. Success requires intrinsic motivation, as the class focuses on continuous production of the German language.

GERMAN 4 5240

Credit: 1 Levels: 11 & 12 PREREQUISITE: German 3 (5230)

APPROXIMATE FEES: \$28.00 (\$20 for online subscription, \$8 for National German Exam) NOTE: Students who have successfully completed this course are eligible to participate in the German American Partnership Program.

COURSE DESCRIPTION: This advanced course fully immerses students in the German language, utilizing the AP German Language and Culture curriculum with additional support and guidance. Students will practice communicating and studying authentic, real-life materials such as newspaper articles, films, music, and books. You will develop advanced proficiency in interpretive, and presentational communication through the exploration of college-level themes like Families in Different Societies, The Influence of Language and Culture on Identity, Influences of Beauty and Art, How Science and Technology Affect our Lives, Environmental, Political and Societal Challenges.. While students are not required to take the AP exam, the course prepares them to handle increasingly complicated situations in German-speaking cultures and demonstrate sophisticated cross-cultural understanding.

ADVANCED PLACEMENT GERMAN LANGUAGE & CULTURE

5260

Credit: 1 Level: 12

PREREQUISITE: German 4 (5240)

APPROXIMATE FEES: \$28 (\$20.00 for online subscription, \$8 for National German Exam)

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This highly rigorous course is conducted almost exclusively in German and is designed for students seeking to achieve fluency and cultural competence equivalent to a fourth-semester university course. Students will develop advanced proficiency in all three modes of communication (interpersonal, interpretive, and presentational), through the study of authentic materials like literature, film, and news articles. The curriculum explores six major themes, including Families in Different Societies, The Influence of Language and Culture on Identity, Influences of Beauty and Art, How Science and Technology Affect Our Lives, Environmental, Political and Societal Challenges.. This course prepares students to confidently hold real-life conversations, write sophisticated texts, and demonstrate a deep understanding of German-speaking cultures in preparation for the AP exam.

<u>SPANISH 1</u> 5310

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This foundational course focuses on developing basic skills in listening, speaking, reading, and writing through activities embedded in real-life contexts. Students will use the language to exchange ideas and interpret authentic resources while learning to ask and answer questions about various topics, including social schedules, leisure activities, and family. The curriculum is structured to promote interpersonal, interpretive, and presentational communication skills, fostering an appreciation for the diverse and dynamic cultures of the Spanish-speaking world within local and global communities. This course develops essential linguistic competence for future study.

<u>SPANISH 2</u> 5320

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: 73% or better in Spanish 1 (5310) or teacher recommendation

APPROXIMATE FEES: \$10 for periodicals

COURSE DESCRIPTION: This course builds on the foundation of Spanish 1, expanding your ability to communicate effectively in the past, present, and future tenses. Students will learn expanded vocabulary and grammar concepts to ask and answer increasingly complex questions about a variety of real-life topics, including travel, daily routine, clothing, and food. The majority of the class is conducted in Spanish, encouraging learners to use the language constantly to develop fluency. Through this process, students will gain greater insight into the products, practices, and diverse perspectives of Spanish-speaking communities worldwide.

<u>SPANISH 3</u> 5330

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Spanish 2 (5320)

APPROXIMATE FEES: None

COURSE DESCRIPTION: This is a course of increased intensity and rigor designed to challenge students in all four modes of communication (Reading, Writing, Speaking and Listening). Building on previous concepts, this level introduces new and challenging grammatical structures and requires a deeper commitment to language production. The class is conducted almost exclusively in Spanish, and learners are expected to use the language constantly to foster advanced proficiency and intrinsic motivation. You will engage in cultural comparisons and deeper critical thinking while exploring complex topics like travel and daily home life. Success in this course prepares students for the highest levels of Spanish study by cultivating sophisticated communication skills and cross-cultural understanding.

<u>SPANISH 4</u> 5340

Credit: 1 Levels: 11 & 12 PREREQUISITE: Spanish 3 (5330)

APPROXIMATE FEES: \$20.00 for online subscription

COURSE DESCRIPTION: This advanced course fully immerses students in the Spanish language, with activities embedded in authentic, real-life contexts and frequent use of resources produced by and for native Spanish speakers. Students will practice handling increasingly complicated situations and transactions in Hispanophone cultures by discussing and writing about current, past, future, and hypothetical events. Students will practice reacting to themes and significant details in literature, music, and visual arts, and learn to report on expressive products. This course is designed to build on all previous language acquisition, enabling students to create original stories and skits and deepen their communication skills and global perspectives.

Credit: 1 (weighted grade) Level: 12 PREREQUISITE: Spanish 4 (5340)

APPROXIMATE FEES: \$20.00 for online subscription

NOTE: Students may take the AP exam for an additional fee.

COURSE DESCRIPTION: This highly rigorous course is conducted almost exclusively in Spanish and aims for students to achieve fluency and cultural competence equivalent to a fourth-semester university course. Students will develop advanced proficiency in all three modes of communication (interpersonal, interpretive, and presentational), through the study of authentic materials like literature, film, and news articles. Key themes explored include Families in Different Societies, The Influence of Language and Culture on Identity, Influences of Beauty and Art, How Science and Technology Affect our Lives, Environmental, Political and Societal Challenges.. This course prepares students to confidently hold real-life conversations, write sophisticated texts, and demonstrate a deep understanding of Spanish-speaking cultures in preparation for the AP exam.