

Waconia High School

2019-2020 Registration Handbook



Dear Student and Parent/Guardian:

This guide is a catalog of courses and programs offered during the 2019-20 school year at Waconia High School. Please refer to it throughout the year.

For the first eight years of your education almost all courses were required. In high school students have a chance to branch out with electives. Electives provide the opportunity to explore special fields of interest. They also make it possible to pursue specialized training preparation for post-high school training or to enter the job market.

These opportunities place great responsibility on both parents and students to plan wisely. Carefully read the information on this web site and browse through the course offerings and special programs. Then begin planning a course of study. Before registration, decide on a schedule of courses for the remaining years in high school. Serious thought about an overall plan will provide a sense of purpose and direction. Therefore, it is important that course selections for next year are made carefully.

If you have questions regarding registration or a specific program, please contact your counselor at (952) 442-0676.

Lynette Alger, Counselor (student last names: A-H) lalger@isd110.org

Dana Henn, Counselor (student last names: I-R) dhenn@isd110.org

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Waconia High School at a Glance

School Year

- 3 trimesters

School Day

- 5 periods each day.
- Regular Daily Time Schedule
 - ❖ Period 1 - 8:00 to 9:14
 - ❖ Period 2 – 9:20 to 10:34
 - ❖ Period 3 – 10:40 to 11:53
 - ❖ Period 4 – 11:59 to 1:35 (Lunch is served during this period)
 - ❖ Period 5 – 1:41 – 2:55
- Tuesday and Thursday (Wild Time/Advisory) Time Schedule
 - ❖ Period 1 - 8:00 to 9:03
 - ❖ Period 2 – 9:09 to 10:11
 - ❖ Advisory 10:17 to 10:57
 - ❖ Period 3 – 11:03 to 12:05
 - ❖ Period 4 – 12:11 to 1:47 (Lunch is served during this period)
 - ❖ Period 5 – 1:53 – 2:55

CREDITS

- Each class is worth 1 credit.
- 55 credits are required for graduation
- Required credits: 37
 - ❖ English: 8 credits (four years)
 - ❖ Social Studies: 8 credits (four years)
 - ❖ Math: 7 credits (3.5 years)
 - ❖ Science: 7 credits (3.5 years)
 - ❖ PE: 2 credits
 - ❖ Health: 1 credit
 - ❖ Fine Arts: 2 credits
 - ❖ Speech: 1 credit
 - ❖ Senior Seminar: 1 credit
 - ❖ Computer: 1 credit (This requirement is only for the graduating class of 2019.)
- Elective credits: 17
 - ❖ Student choice

Course and Credit Requirements

55 Credits are required for graduation - 37 required credits, 18 elective credits

Grade 9 Core Requirements:

English (2)	English 9A and English 9B; or Pre-AP English 9A and 9B
Social Studies (1)	American Citizenship
Science (3)	Principles of Chemistry, Principles of Engineering, and Principles of Physics
Mathematics (2)	2 Math Courses (see Mathematics section)

Grade 10 Core Requirements:

English (2)	English 10A and English 10B; or Pre-AP English 10A and 10B
Social Studies (2)	US History A and US History B; or Advanced Placement US History (meets 2 credit social requirement)
Science (2)	Cellular Biology and Biological Systems
Mathematics (2)	2 Math Courses (see Mathematics section)

Grade 11 Core Requirements:

English (2)	Composition 11; and American Literature 11 or Themes in Literature 11 (choose one); or Advanced Placement Language and Composition (meets 2 credit English requirement)
Social Studies (2)	World History A and B; or Advanced Placement World History (meets 2 credit social requirement)
Mathematics (2)	2 Math Courses (see Mathematics section)

Grade 12 Core Requirements:

English (2)	Composition 12 or College Freshman Composition SMSU (choose one); and Themes in Literature 12 or World Literature (choose one); or Advanced Placement Literature and Composition (meets 2 credit English requirement)
Social Studies (2)	Economics and Government 12; or Advanced Placement US Government (meets 2 credit social requirement)
Senior Seminar (1)	Intended to better prepare students for their postsecondary experiences

General Core Requirements:

Physical Ed (2)	Foundations of Fitness (suggested in grade 9 or 10); and One additional Physical Education class of choice
Health (1)	Health (suggested in grade 9 or 10)
Speech (1)	Speech (suggested in grade 10, 11, or 12)
Mathematics (1)	See Mathematics section for required sequence
Science (2)	Chemistry A and B or Physics A and B
Social Studies (1)	Human Geography (open to grades 10-12)
Fine Arts (2)	Choose 2 classes in the area of art or music. Or, see below

These classes may also be used to meet the Fine Arts requirement: Drama, Creative Writing, Video Production, Interior Design, Metals Technology (2 credits), Cabinetry and Furniture Making (2 credits)

Graduation – Honor Students

Graduates from Waconia High School can achieve honor status, and be recognized at the commencement ceremony, by maintaining high grades and taking our most challenging courses. Three levels of Honor status will be recognized:

Cum Laude	3.75 - 4.0 GPA and 6 honor credits
Magna Cum Laude	3.85 - 4.0 GPA and 9 honor credits
Summa Cum Laude	3.95 - 4.0 GPA and 12 honor credits

Honor Credit Courses:

Advanced Placement	AP Statistics (2)	AP Lang. & Composition (2)	AP World History (2)
AP Biology (2)	AP Chemistry (3)	AP Lit. & Composition (2)	AP Art (2)
AP Calculus A/B (2)	Pre-AP English 9 (2)	AP US Gov. & Politics (2)	
AP Calculus B/C (3)	Pre-AP English 10 (2)	AP US History (2)	

Concurrent Enrollment	CIS Spanish (3)	CIS Physics (3)	
French (2)	College Now Composition (1)		

Project Lead the Way	Civil Engineering & Arch. (2)	Engineering Design & Dev. (3)	
Intro to Engineering Des. (2)	Environmental Engineering (2)	Computer Integrated Mfg (2)	

Articulated Courses		
Starting Your Own Business (1)	Web Design & Development (1)	Introduction to Education (2)
Business Mgmt (1)	Introduction to Construction (1)	Introduction to Corrections (1)
Entertainment Marketing (1)	Cab. & Furniture Making (2)	Police and Community (1)
Accounting 1 (1)	Metals Technology (2)	Juvenile Justice & Delinquency (1)
Accounting 2 (1)	Electricity (1)	Introduction to Agriculture (1)
Microsoft Office (1)	Entrepreneurship (1)	Agriculture Science (1)
Nursing Assistant (1)	Medical Terminology (1)	(SWMETRO) Animal Science (1)

PSEO

- Accept credit for courses in English, science, social studies, and math
- 3 semester credits = 2 WHS credits
- No credit for non-credit bearing or elective courses

Grading Scale

A	=	4.000
A-	=	3.666
B+	=	3.333
B	=	3.000
B-	=	2.666
C+	=	2.333
C	=	2.000
C-	=	1.666
D+	=	1.333
D	=	1.000
D-	=	.666
F	=	.000
P (Pass)	=	No numerical computation but credit received
I (Incomplete)	=	Numeric computation, no credit received
WF (Withdraw/Fail)	=	Numeric computation, no credit received
NG (No Grade)	=	No numerical computation, no credit received

Honor Roll

Students obtaining a 3.666 or above G.P.A. for a trimester are eligible for Honor Roll I. Students obtaining a 3.000 or above G.P.A. for a trimester are eligible for Honor Roll II. Students must be carrying a full load of credits to be eligible for the honor rolls.

Withdrawal From Classes

After a student has registered for a class and has attended, the class for two (2) days, the following drop procedure must be followed:

- A. Discuss the reasons for dropping with the Guidance Counselor.
- B. Process a Drop/Add form, including signatures of teacher(s)/counselor and parent/guardian.

Program Change

Any program changes made will be completed only with the understanding that absolutely necessary educational needs are at stake. Changes in course work will be made only under the following conditions:

1. One or more of the following must approve course changes: the guidance department, affected teachers, and parents/guardians.
2. Course changes will not be made if over-or under-loaded class settings result. The administration will determine over-and under-loading conditions.
3. A career or course sequence decision change has occurred and specific plans explaining the changes are described.
4. Course changes cannot occur after the end of the first three full school days in each trimester.

Class Drop Deadline: After three days, dropped classes will remain on the permanent, cumulative records. A conference with teachers(s), counselor, and student will be held to help to determine what grade designation will be assigned.

5. Courses dropped must be replaced with approved alternative courses and no changes are complete until all documented changes are finally approved. (If a class is dropped with a failing grade, the F grade stands, with no credit given.)

Pass/Fail Option

Pass and fail options are available to 11th and 12th grade students for a maximum of 2 elective credits during their high school career. Students must maintain a "C" average in the course to receive a "P." This option request must be made by the student during the first five days of the course offering and receive instructor and counselor approval.

Test Out Policy

Per District 110 policy, any high school student who requests to test out of a class must be afforded that opportunity. When the student applies to receive credit for a course, an assessment process and the specific requirements for awarding the credit will be established. The same requirements will apply to other students who request credit for that course; revisions will be made as the need arises.

1. The student will discuss the request for testing out of a course with his/her counselor and then complete an application.
2. While the process of obtaining credit via assessment may be substituted for taking the course, the actual course work and instruction would provide a richer and more complete exercise.

3. At the time the application is submitted it is assumed that the student is ready to begin the assessment process.
4. Students may attempt to test out only once for each course and they may not test out of courses they have previously taken.
5. The assessment competence may include multiple assessments as determined by the various high school departments.
6. If the student completes the assessment process in a satisfactory manner, the student's transcript will show the credit earned and the course grade earned. A letter grade of B must be met to earn graduation credit.

Home School Credits

Students who transfer into Waconia High School from an accredited home school setting will have their graduation requirements determined by the high school administration. The requirements will be based on their official transcripts. Proficiency tests may be given as necessary (i.e., a final course test, a student work portfolio, and standardized tests).

Students who transfer into Waconia High School from a non-accredited home school setting will have their graduation requirements determined by the high school administration. The requirements will be based on their official transcripts. Proficiency tests may be given as necessary (i.e., a final course test, a student work portfolio, and standardized tests). All accepted grades will be recorded as a "pass" with no G.P.A. weight.

NCAA Guide: College-Bound Student Athletes

Students who wish to compete at a NCAA Division I or Division II college must satisfy the requirements of the NCAA. It is the student's responsibility to register. Students typically register with the NCAA in the spring of junior or fall of their senior year. This is done online at: ncaa.org.

Student Contracts

Independent Study Contracts

Independent Study contracts should be utilized for the purpose of gaining additional knowledge in an area of interest above and beyond what may be available in the normal curriculum. Senior students may request to do an independent study. To do so, students must first meet with their counselor. Secondly, students must complete the contract with the supervising teacher and return it to the guidance office at least two weeks prior to the start of the trimester. The application will then be either approved or denied by an administrative committee. All independent study contracts are graded on a pass/fail system. Any exceptions

must be cleared with a counselor prior to beginning the independent study contract and it must be outlined in the written contract with the teacher.

Teacher Aide

Full time WHS seniors may be aides for a teacher. The program is designed to give students an opportunity to gain work experiences within a specific area. Aides will be expected to fulfill certain requirements as outlined by the supervising teacher. Students may do one teacher aide or independent study per trimester, for a total of three during their senior year.

Mentoring

Seniors have the opportunity to further their knowledge in a career area of interest as a mentor. This opportunity is designed to be consistent with their educational program and future career aspirations. Seniors choosing to be a mentor must obtain permission from their counselor. Students will earn 1 credit per trimester on a pass/fail basis.

Postsecondary Credit Opportunities

Advanced Placement Courses

Advanced placement courses offer students access to rigorous college-level coursework and the opportunity to explore a subject of interest in greater depth. These introductory college courses often require more time and work, but help students develop disciplined study habits that can contribute to success in college. Satisfactory AP scores allow students to earn college credit and bypass introductory-level courses in college to pursue more advanced studies.

Waconia High School offers these Advanced Placement courses:

- AP Art
- AP Biology
- AP Statistics
- AP Chemistry
- AP US History
- AP Language and Composition
- AP Literature and Composition
- AP US Government and Politics
- AP World History
- AP Calculus AB
- AP Calculus BC

Concurrent Enrollment

Advanced high school juniors and seniors can earn college credit without leaving the high school campus through concurrent enrollment courses. These courses are taught by high school instructors, are accredited, and guarantee college credit upon successful completion of the course. High school students taking concurrent enrollment courses are held to the same academic rigor and standards as students in the university setting.

Waconia High School offers these College in the Schools (CIS) courses through the University of Minnesota - Twin Cities:

- College In The Schools Spanish
- College In The Schools French
- College In The Schools Physics

Waconia High School offers this College Now course through Southwest Minnesota State University (SMSU)

- College Now Freshman Composition (English 151)

Project Lead The Way

Project Lead The Way (PLTW) is an engaging, hands-on curriculum that prepares students to be innovative and productive leaders in the areas of science, technology, engineering, and math. College credit is available through successful course completion and passing an end of course exam. More than 150 institutions of higher education actively recruit PLTW students and provide recognition opportunities, including admissions preference, scholarships, and course credit.

Waconia High School offers the following PLTW courses:

- Principles of Engineering (POE) - 9th grade science requirement
- Introduction to Engineering Design (IED)
- Civil Engineering and Architecture (CEA)
- Computer Integrated Manufacturing (CIM)
- Engineering Design and Development (EDD) - Instructor permission

Articulated Courses

Not only do articulated courses allow students the opportunity to explore future career opportunities, they can also earn technical or community college credits. See your guidance counselor or instructor for details.

Waconia High School offers these articulated courses:

Business	Accounting 1 Accounting 2 Computers for Your Future Entertainment Marketing Microsoft Office Starting Your Own Business Business Management Web Design and Development
Industrial Technologies	Cabinetry and Furniture Making Electricity Entrepreneurship Introduction to Construction Metals Technology

Southwest Metro Educational Cooperative

Waconia High School serves as a satellite campus for the Southwest Metro Educational Cooperative. These courses allow students the opportunity to explore future career opportunities, and earn college credits through Normandale Community College. All courses are taught by SWM instructors at Waconia High School.

Medical Terminology	Nursing Assistant	Introduction to Education
Introduction to Corrections	Animal Science	Juvenile Justice & Delinquency
Introduction to Agriculture		

Postsecondary Enrollment Options (PSEO)

This program allows sophomores, juniors and seniors the opportunity to enroll full-time or part-time at a postsecondary institution for high school and college credit. Tuition, fees and required textbooks are of no cost to the student. College books are borrowed and need to be returned to the college directly. Room and board are not covered under the PSEO program. Transportation assistance may be available to qualifying students who participate in on campus courses.

Eligible institutions include the U of M (all branches), all state universities, community and technical colleges, and some private two year and four year institutions. Each institution has a set of entrance requirements. As a sophomore, students must have passed the MCA reading

test in 8th grade with a score statement of “meets or exceeds”. Sophomore students are only allowed to enroll in one Career and Technical Education course to start. If a student earns at least a C in that course, they may take additional courses. The typical requirements for juniors are to be in the top third of the class and as a senior the top half of the class. Some colleges have placement exams and specific application deadlines. It is up to the individual student to be sure they are meeting all of the requirements needed to apply and enroll. Colleges offer on-campus or online courses. It is up to the student to determine which option best fits their academic needs.

Students should start their planning early. The student is expected to be a responsible and independent learner. When selecting courses, it is the student’s responsibility for making sure they are fulfilling their high school requirements. WHS does not have access to the the student’s college attendance and in progress grades. PSEO courses are included in figuring rank and GPA, this includes incompletes, withdrawals and failures. A student’s high school diploma is held until grades are received at WHS. Students will be allowed to participate in the ceremony if they are in good academic standing.

Activities Offered At Waconia High School

WHS is a member of the Minnesota State High School League

Fall Activities

Boys Cross Country	Boys Soccer	Fall Musical	Football
Girls Cross Country	Girls Soccer	Volleyball	Girls Swimming & Diving

Winter Activities

Boys Basketball	Boys Hockey	Girls Hockey	Girls Basketball	Wrestling
Dance Team	Gymnastics	Show Choir		
Boys Swimming	Alpine Skiing (w/Mound)			

Spring Activities

Baseball	Boys Golf	Girls Golf	Softball	Boys Track & Field
Girls Track & Field	Marching Band	Girls Lacrosse	Boys Lacrosse	

Other School Sponsored Clubs & Activities

Knowledge Bowl, Breakfast Book Club, Conservation Club, International Club, Instrumental Ensemble, Art Club, Yearbook, Jazz Band, National Honor Society, Pep Band, Prom Committee, Waconia Strength and Conditioning, Robotics Club, Science Team, Student Council, Students Against Destructive Decisions (SADD), Tactical Games Club, Vocal Ensemble, Unified Sports, Future Farmers of America FFA (w/Chaska,) Family, Career, Community Leaders of America (FCCLA), Anti-Bullying Club

Course Offerings

<p>ART Introduction to Art AP Art Applied Art Ceramics 1 Ceramics 2 Ceramics 3 Digital Photography Drawing and Painting Graphic Design Studio Art -Painting</p> <p>BUSINESS & COMPUTER Game Design I Game Design II Accounting 1 Accounting 2 Business Management Computers for Your Future Computer Programming Dollars and Sense Entertainment Marketing Microsoft Office Personal Law Starting Your Own Business Video Production I Web Design & Development Work Experience</p> <p>ENGLISH English 9 (A&B) Pre-AP English 9 (A&B) English 10 (A&B) Pre-AP English 10 (A&B) AP Language & Composition AP Literature & Composition American Literature 11 College Freshman Composition Composition 11 Composition 12 Creative Writing Drama Introduction to Film Speech Teen Literature Themes in Literature 11 Themes in Literature 12 World Literature Yearbook Yearbook 2</p>	<p>FAMILY & CON. SCIENCE Child Development Culinary Foods 1 Culinary Foods 2 Global and Cultural Cuisine Human Relations Interior Design Interior Design 2 Urban Survival: Adulting 101</p> <p>HEALTH/SAFETY EDUCATION Health Health Careers Investigation Safety Education</p> <p>INDUSTRIAL TECH. Auto Maintenance Cabinetry and Furniture Making Electricity/Electronics Entrepreneurship Introduction to Construction Introduction to Metals Introduction to Woods Metals Technology Small Engines Woodworking Technology</p> <p>MATHEMATICS Algebra Concepts Intermediate Algebra (A&B) Geometry (A&B) Algebra 2 (A&B) Statistics AP Statistics (A&B) Precalculus Trigonometry Calculus (A&B) AP Calculus AB AP Calculus BC</p> <p>MUSIC Varsity Band Varsity Choir Symphonic Band Cantabile Women's Choir Concert Band Concert Choir Select Chamber Choir Wind Ensemble Music Appreciation Music Theory</p>	<p>PHYSICAL ED/HEALTH Advanced Team Sports Foundations of Fitness Individual/Dual Activities Lifeguarding Recreation Activities Swimming for Fitness Team Sports Total Fitness Weight Training 1 Weight Training 2 Weights and Fitness</p> <p>PROJECT LEAD THE WAY Civil Engineering & Architect Computer Integrated Mfg Engineering Design & Develop Intro to Engineering Design</p> <p>SCIENCE Principles of Chemistry Principles of Engineering Principles of Physics AP Biology Anatomy and Physiology Animal Science Biological Systems Cell Biology Chemistry AP Chemistry College in the Schools Physics CSI Forensics Environmental Studies Fish & Wildlife Biology Physics Stellar Astronomy Winter Biology</p> <p>SENIOR SEMINAR</p> <p>SOCIAL STUDIES American Citizenship Criminal Justice AP United States History Economics History's Mysteries Human Geography MN Heritage & Culture Psychology Sociology Sports and Society US Government AP US Government US History (A&B) World History (A&B) AP World History</p>	<p>UNIQUE LEARNERS Functional Skills Language Arts Math Social Thinking Skills Planning and Study Skills Transitional Skills</p> <p>WORLD LANGUAGES French 1 French 2 French 3 French 4 French C.I.S. Yr 1 (Part 1) French C.I.S. Yr 1 (Part 2) French C.I.S. Yr 2 (Part 1) French C.I.S. Yr 2 (Part 2) Spanish 1 Spanish 2 Spanish 3 Spanish 4 College in Schools Spanish Conversational Spanish Spanish for Heritage Speakers</p> <p>SOUTHWEST METRO EDUCATIONAL COOPERATIVE Animal Science 1&2 Introduction to Corrections Introduction to Education Technology in Education Juvenile Justice and Delinquency Medical Terminology Nursing Assistant/Med. Tem</p> <p>SOUTHWEST METRO OFF- CAMPUS PROGRAMS</p>
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ART

INTRODUCTION TO ART

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
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Students will learn about art and themselves from a broad perspective, exploring the ideas of art appreciation, art history, the basic elements of art and design as well as production of artwork using a wide range of art mediums. Students will be taught basic art skills and will use a sketchbook daily. Grades are based on tests, quizzes, sketches and projects. Emphasis on the idea that art is all around us everyday and art as a means of communication.

AP ART

Grade Level: 10-12	Credits: 1-3	College Credit: Yes	Fine Arts Credit: Yes	Prerequisite: Instructor Permission
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This AP course is an intensive lab experience in either ceramics, painting/drawing, or digital art. The student may receive college credit if a portfolio is completed, read, and approved by the AP board. Students should register for 2-3 trimester periods; with portfolio assembly being done during trimester three.

APPLIED ART

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Introduction to Art
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Applied Art explores many traditional crafts including paper making, wood cut printmaking, batik, marbled paper, tile mosaic and more. A fun and practical application of art skills. Minimal drawing skills required. Grade based on projects, tests and knowledge of techniques and history of each individual craft.

CERAMICS 1

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Introduction to Art
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Ceramics students will learn the history and characteristics of clay and ceramics from prehistoric to present day. Projects are based on the basic hand building techniques and potter's wheel. Students will also learn a variety of glazing techniques and the firing process.

CERAMICS 2

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Ceramics 1
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Ceramics will cover advanced handbuilding and wheel techniques. Students will be involved in all stages of ceramics from raw clay to finished product.

CERAMICS 3

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Ceramics 2
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In this course students work in a studio setting. The students may place emphasis on wheel pottery, hand building or both. The trimester is based on 50% instructor driven assignments and 50% in-depth individual student concentration. Students will exhibit their work at the end of the trimester.

DIGITAL PHOTOGRAPHY

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
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Students in this course will create and edit awesome photographs using a DSLR camera and Adobe Lightroom. Students will: learn about manual settings on DSLR cameras; explore the ins-and-outs of Lightroom; and study influential photographers and their methods.

DRAWING AND PAINTING

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Introduction to Art
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Drawing and Painting takes the interested student farther into the idea of 2-D design. Drawing skills will be explored more, emphasis on dramatic improvement of observational (real life) drawing. Artwork will be completed in many drawing and painting mediums. Projects will also be based on styles throughout the history of art. Artists and timelines will be introduced. Sketchbook work will continue. Grades are based on tests, quizzes, sketches, projects and an artist research paper. Emphasis on students exploring and developing their own style and art analysis based on the elements of art and the principles of design.

GRAPHIC DESIGN

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
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Graphic Design gives students an opportunity to explore the advertising, graphics side of art. Students will complete projects comparable to those of the professional designer with both traditional and modern computer techniques. Students will create magazine ads, logos, package designs, etc. Students will collaborate with real clients when given the opportunity.

GRAPHIC DESIGN 2

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Graphic Design
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Students will learn advanced topics in Photoshop, Illustrator, and will be introduced to InDesign. Students will create ads, t-shirt designs, magazine layouts, logos, and more! Students will learn about famous graphic artists and collaborate with real clients in the school/business community. Students will also learn the process of screen printing by designing and printing a shirt.

STUDIO ART – PAINTING

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Intro to Art, Drawing & Painting
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Drawing and painting areas will build upon past experiences. Class discussions focus on what art is and the role of the artist in society. Specific explorations of styles and periods in art with emphasis on development of personal style and exploration.

BUSINESS AND COMPUTER

ACCOUNTING 1

Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
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Accounting is the language of business. It is an essential part of every business institution and organization. This class is your chance to take away more knowledge about finance that is applicable to the real world. It can take you to the next level in business. This class is structured class and many students love it's connection to math, finance, and entrepreneurship. Any student interested in any aspect of business and/or planning to study business in college (such as accounting, business administration, marketing, economics, finance, management, and business administration) will need a strong background in accounting. Also, it is an honor credit. Students should follow up this class with Accounting 2 for an even broader look at business activities and prepare for owning their own business or taking college business courses. Also, we have fun workplace atmosphere! Join us.

ACCOUNTING 2

Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Accounting 1
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This class is a continuation of Accounting 1 and expands accounting concepts to include the accounting for larger corporations and covers paying employees and payroll taxes. This class is highly recommended for all accounting students, but especially for those interested in college business, finance, and marketing classes and those who are interested in owning their own business! If you want a well-rounded introduction to accounting for a business, we recommend you take both trimesters of accounting. Hope to see you there!

BUSINESS MANAGEMENT (Wildcat Warehouse School Store!)

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

Are you interested in hands-on learning?! We are! This class examines the changes in management over time and the major departments for management in a business such as Operations, Marketing, Human Resources, Finance, etc. But we also get to put management ideas into practice by managing the school store! Projects might include: Designing products for sale that to add to the product-mix, learning about vendors and how to find the best products and deals, developing procedures for how to run the daily operations of a business, creating promotions to sell merchandise, delivering products to customers in the school and community. We would love to have you join us in creating the best school store for our community!

COMPUTERS FOR YOUR FUTURE

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

Want to be the student that WOWS your teacher and friends with your work? This class is here to prepare you for your high school academic career, college courses, and also your professional career choice with the computer skills that will set you apart from your peers. Did you know that 80% of today's businesses use Microsoft Office for their work? Also, over 60% of colleges use Microsoft as well. For this reason, this course will cover Microsoft Word and Excel as well as tools to more efficiently use the computer and find resources that you need to complete tasks. Computer skills are used in almost 100% of careers. (You also have the chance to raise your typing game.) Join us and expand your skills while you have fun creating documents on the computer!

COMPUTER PROGRAMMING

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

This course teaches students the essentials of computer programming. How do things show up on a screen? How does information get from here to Germany and back? Lessons in this class use both an online coding platform as well as an introductory software program to learn coding basics. This class is for ALL students! Join us and learn how all of the technology in your life works. You will be amazed. Programming languages we focus on are JavaScript and Introductory C++ with some Python and HTML thrown in as well.

DOLLARS AND SENSE

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

This course will teach you how to handle your month-to-month finances. Become a better manager of your money by learning more about banking services, maintaining a realistic budget, completing your income taxes, purchasing a vehicle, investing your money to make it grow and how to use credit wisely.

ENTERTAINMENT MARKETING

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

If you're looking for an exciting introduction to the world of marketing, you need to check out Entertainment Marketing! We have a lot of conversation and a positive atmosphere when discussing our lessons. We do interactive projects; you get to work with friends to make our community and school more unified and build Wildcat Pride. No prior business knowledge is needed. And our field trip to the Mall of America puts our new marketing knowledge to use! We'd love to have you join us!

Game Design I

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

It's finally here - a course to guide students to make their own video games! Students will use the Unity game engine to create digital sprites, sounds, and backgrounds to build games for multiple platforms, including Android, iOS, Nintendo, Playstation, and many more! Students will learn C# computer programming through the creation of four distinct pre-designed games in Unity, as well as a capstone group game creation project.

Game Design II

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Game Design I

A continuation of Game Design I. Game Design II dives deeper into the design and animation aspects of game creation. Adobe Photoshop will be used to create various terrain and asset textures from scratch. Students will use Adobe Fuse and Mixamo for character design workflow, designing a character, and creating new custom characters. Students will also learn how to control game characters, create game flow, and introduce rules into the game. Finally, students will understand how the challenge and reward cycle works in gaming and explore the systems for creating a graphical user interface using Unity.

MICROSOFT OFFICE

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: Computers for Your Future or Teacher Recommendation

In this course, we take a dive into the computer skills needed at 80% of American companies...Microsoft Office. We go through extended skills in Word, Excel, PowerPoint, and Access databases. These skills are extremely valued in the workplace! Being an expert in Microsoft, especially skills in Excel, can give you a major head start when applying for jobs and becoming the best at your future job. Be a guru!

PERSONAL LAW

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Personal Law is a brief introduction into Minnesota's legal system. Points of emphasis are criminal law, civil law, constitutional rights, juvenile courts, the parent and child legal relationship, marriage and divorce, consumer law and landlord/tenant law. This is a great class for all wanting to know more about how our laws affect them daily!

STARTING YOUR OWN BUSINESS

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

Students in this class are matched up (in groups) with local Waconia small businesses and will learn the ins and outs of small business ownership. The greater part of this class will be spent in groups working on a project for your selected business. This project will serve as a potential solution to a current "problem" the company is facing. This class will be a great introduction into what it takes to be an entrepreneur in a real world setting!

Video Production

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: Yes

Prerequisite: None

Have you ever watched a cool or inspiring video and wondered how it was made? Video I will give you the tools and skills to shoot videos that are heads and shoulders above the majority of videos posted on YouTube! With a heavy emphasis placed the Adobe Premiere Pro editing software, Video I will teach you the basics of video production: framing, lighting, sound (use an external mic), editing, special effects (turn them off!), and gives advice on shooting a variety of specific situations: sporting/music events, parties and family gatherings, graduations and performances. Plus, how to make instructional and promotional videos, how to make a music video, how to capture stunts, and much more.

WEB DESIGN AND DEVELOPMENT

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: Computers for Your Future or Computer Applications

Interested in a growing field? Do you like project-based classes? You can combine interests in technology and design when you learn to design for the web. You will use Adobe programs, HTML, CSS, and JavaScript to design a site of your own and then make it a reality! This class is really fun and class time is often spent working on our projects. Create something real with us!

WORK EXPERIENCE

Grade Level: 12

Credits: 1-3

College Credit: No

Fine Arts Credit: No

Prerequisite: Steady Employment

This program is open to eligible seniors who desire developing occupational proficiency through community job experiences. An on-the-job training agreement is agreed upon between the school and the employer. Students must be employed an average of ten hours per week. The classroom seminar meets twice a week and students are released early to go to work. Topics covered include: career planning, job seeking and keeping skills, job satisfaction, job-related communication skills, and managing your income.

ENGLISH

ENGLISH 9 (A & B)

Grade Level: 9

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: None

We will survey genres of literature including novels, short stories, and a play, as well as non-fiction pieces. We will also study vocabulary, grammar, and writing structure/organization in order to convey ideas clearly in written assessments, presentations, and other more informal projects.

PRE-ADVANCED PLACEMENT ENGLISH 9 (A & B)

Grade Level: 9

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: Should be in top 25% of class

This course is considered "honors" and is strongly recommended, but not required, as a prerequisite to Pre-AP English 10A and 10B, AP Language, and AP Literature. To prepare for these upper-level classes, we will practice close reading and critical analysis of both literature and non-fiction to understand the way writers use language to make and convey meaning. We will also study vocabulary, grammar, syntax, and style as means of refining our writing. Emphasis will be placed on the writing process, which will include both in-class essays and essays involving a revision process with multiple drafts, as well as creative writing.

IMPORTANT NOTE: There is REQUIRED summer work associated with this course! This work will be evaluated as part of students' first-trimester grades and will serve to complement the work done during the school year by helping students in understanding, comparing, and analyzing literature at a more rigorous and complete academic level. The summer work (books and packet) will be available in the front office of WHS beginning the first week of summer. If you have questions or concerns, please contact the front office or the instructor, Katie Niemczyk, at kniemczyk@isd110.org. However, as it is summer, please be patient if it takes a few days to receive a response.

ENGLISH 10 (A & B)

Grade Level: 10

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: None

These courses include a variety of literature with units designed to help students develop skills in critical thinking and analysis, literary structure and theme, and the art of persuasion and rhetoric. Lessons on grammar, usage, and mechanics will be integrated throughout the courses with emphasis placed on application of these skills in written work. Students should expect to learn the process for writing a research paper, including assessing credible sources, gathering support, developing an argumentative thesis, and producing clear, coherent writing.

PRE-ADVANCED PLACEMENT ENGLISH 10 (A & B)

Grade Level: 10

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: Should be in top 25% of class

This course is strongly recommended, but not required, as a prerequisite for AP Language and Composition and AP Literature and Composition. During the prior summer, reading and writing assignments will be required. Students' completion of said assignments will be evaluated on day one or day two of the trimester. Reading for a Pre-AP English 10 student may include some of the twentieth century works of English 10, but students should expect a more rigorous expectation of an understanding and appreciation for the structures, themes, and literary devices associated with more classical works as well. Emphasis will be placed on a more extensive knowledge of the research process associated with the writing of both fiction and nonfiction. There will be an equal emphasis on not only a comprehension of the written word but also an understanding of word elements (phrases, clauses, sentence structure, rhetorical devices) and how they can make the English language work. Test taking practices will be rehearsed frequently.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

Grade Level: 11

Credits: 2

College Credit: Yes

Fine Arts Credit: No

Prerequisite: Should be in top 25% of class

This eleventh-grade course is great preparation for college-level thinking and writing skills. Students will read a variety of fiction and non-fiction works from American literature and examine a number of visual and multimedia texts (advertisements, political cartoons, films and documentaries, etc.) with a particular emphasis on argumentation and persuasion. Students will analyze how writers and speakers create arguments and craft texts.

Students will also practice writing in a variety of formats, will prepare for the AP Language and Composition exam, and will prepare for the reading, writing and English usage sections of common college aptitude assessments including the ACT and SAT assessments.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION

Grade Level: 12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: Should be in top 25% of class

This Advanced Placement course trains students to become skilled readers of literature written in a variety of styles. The intensive course also gives students the practice and helpful criticism necessary to make them flexible and capable writers. Through the reading and writing, students should be able to communicate at a college freshman level. Students must read a selection of books before the class begins.

AMERICAN LITERATURE 11				
Grade Level: 11	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Composition 11
This course is a chronological study of American Literature throughout history. Students will read, analyze, and discuss a variety of short stories, nonfiction, novels, poetry and drama from American Literary time periods. Writing assignments will be related to assigned readings.				

SMSU COLLEGE FRESHMAN COMPOSITION				
Grade Level: 12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: 3.0 or higher gpa, top ½ of class
Southwest Minnesota State University and Waconia High School have teamed to offer College Freshmen Composition. Successful completion of this course will not only fulfill your high school senior composition requirement, but also awards 4 college credits in the MNSCU transfer curriculum. This course will enable students to determine a writing purpose, generate ideas to support a topic, determine an audience, develop a focus, and organize a written text, beginning with more personal, or "reflective," writing and moving on to expository writing and argument. At least two of the papers will involve a research component through which students begin to learn the conventions of citation and documentation. Furthermore, the class will enable students to learn how purpose and audience affect the content, language, and form of a written text. This course fulfills the senior level composition requirement. Students must have a GPA of 3.0 or above in order to enroll in this course.				

COMPOSITION 11				
Grade Level: 11	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
Students will learn and practice skills and formats of writing. Writing projects will involved reading and analyzing literature, as well as research-based writing. The study and application of grammar, usage, and mechanics is emphasized throughout the course.				

COMPOSITION 12				
Grade Level: 12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
Composition 12 focuses on the writing process: brainstorming, organizing, drafting, and revising. Students write a variety of essays applying different types of modes, including: definition, exemplification, argumentative, and a culminating, researched major essay. Students study and implement narrative techniques into writing while reading the memoir <i>The Glass Castle</i> .				

CREATIVE WRITING

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: Yes

Prerequisite: None

This course is designed for students who are interested in gaining experience in creative writing. Students will explore different writing formats, and then practice writing in and melding personal styles with these existing formats/structures.

DRAMA

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: Yes

Prerequisite: None

Students in this course will study and produce drama and theatrical works. The class will be held in the WHS auditorium when available, and emphasis will be placed on acting short plays and scenes. All students will demonstrate dramatic analysis, performance techniques, and technical production skills.

INTRODUCTION TO FILM

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

(In school,) ARE YOU NOT ENTERTAINED?!?!? Then you should **watch more movies in class!** (bonus: name the film the above quote is from). In this course, students will learn about the film techniques that directors, writers, cinematographers, foley walkers, sound technicians, and actors use to create their films as visual literature! After taking this class, students will have a new appreciation for the art of cinema, and will know the tricks to understand how movies work and create meaning. Students will also get a chance to create and practice some of those techniques for themselves! To understand the context for this creation, students will study a variety of genres from the different eras of film, as well as the techniques used to create within them. Genres covered are (but are not limited to): Classic Hollywood Cinema; The Western; Film Noir; Fantasy; Science Fiction; Social Thriller / Horror; Foreign film; Independent cinema; Documentary; Surrealism; Satire; etc. Sign up to experience cinematic greatness!

SPEECH

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Students prepare and deliver speeches to inform, entertain or persuade. Instruction is given in controlling nervousness, speaking from notes, organizing information, and using library resources.

TEEN LITERATURE

Grade Level: 9- 12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Is your TBR (to be read) pile almost toppling over? Every time you add a book to your TBR list, do you make a wish for more hours in the day? Teen Lit is the answer to your toppling tower. While we can't add more hours to the day, we can carve out a space for you within the school day to read what you haven't had time to, discover what you'd like to read next, and discuss what you're encountering with your peers. Our focus will be on choosing and reading the most current teen literature, so get ready to tackle that tower!

THEMES IN LITERATURE 11

Grade Level: 11

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Composition 11

This course will explore a variety of themes and motifs represented within the content, such as destiny, nostalgia, and hope. Students will read, analyze, discuss, and trace specific themes and central ideas throughout multiple forms of literature and communicative arts. Writing assignments and projects will be related to the assigned readings.

THEMES IN LITERATURE 12

Grade Level: 12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Composition 12 or College Comp

This course will explore a variety of themes represented in literature. Students will read, analyze, discuss and trace specific themes and central ideas in multiple forms of literature and communicative arts. Writing assignments will be related to the assigned readings.

WORLD LITERATURE

Grade Level: 12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Composition 12 or College Freshman Composition

World Literature is a course that gives students a chance to increase their depth of their global awareness; our examination of global literary perspectives and traditions provides an opportunity for discussion and a deeper understanding of other cultures. This course is a survey course of world literature designed in time period and culture units beginning with the first written literature through literature in the 21st Century. Students will spend time engaged in dialogue, both in discussion and written reflections, about the text and cultures that produced them.

YEARBOOK

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Designed as a practical guide to creating the yearbook, this class involves the following topics: copy writing, thematic development, page layout design, deadline management, photography composition, revision and proofreading, and graphic design. All class members will complete yearbook pages, and the on-time completion of assignments is a minimum expectation. This course may be repeated with teacher permission.

YEARBOOK 2				
Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Yearbook
Designed as a practical guide to creating the yearbook, this class involves the following topics: copy writing, thematic development, page layout design, deadline management, photography composition, revision and proofreading, and graphic design. All class members will complete yearbook pages, and the on-time completion of assignments is a minimum expectation. This course may be repeated with teacher permission.				

FAMILY & CONSUMER SCIENCE

CHILD DEVELOPMENT				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
This course examines decisions involved in planning for a family and the responsibilities that go with parenthood. It will help you recognize the importance of prenatal care for the growth and development of the unborn child. By course end, students will be able to describe a child's physical, social, emotional and intellectual development through age three. Additionally, reflections on personal development through your school years and the impact of your own family will be highlighted.				

CULINARY FOODS 1				
Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
Culinary Foods 1 is an elective course. This course will introduce students to a variety of skills and basic foods used in the culinary world. Students will develop a clearer understanding of food and nutrition while participating in hands-on lab activities and research projects.				

CULINARY FOODS 2				
Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Culinary Foods 1
Culinary Foods 2 is an extension of skills learned in Culinary Foods 1. The course focuses on the science of baking and pastries arts. Students will learn about ingredients and equipment used in a bake shop, how recipes can be modified to benefit special diets, and menu planning. Units covered: Flours and Sugars, Quick Breads, Yeast Breads, Cakes, Cookies, and Specialty Desserts.				

GLOBAL AND CULTURAL CUISINE

Grade Level: 10-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Culinary Foods 1
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This course is designed for the advanced culinary student. Study of ethnic and regional foods will provide opportunities to learn the customs, cooking techniques, special ingredients, and equipment of a variety of cultures. In this course, students will learn how the selection and preparation of foods are influenced by cultural heritage, lifestyle, and global region. Foods will be prepared using a variety of cooking techniques while exploring the influences of international cuisines on our eating habits. Areas of study include: Regions of the United States and Canada, Central America, South America, Europe, and Asia.

INTERIOR DESIGN

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
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Interior Design focuses on the *History of Design* and the *Elements of Design: Line, Shape, Form, Space, Color, and Texture*. Students will develop their unique design styles and study historical time periods in architecture and design. At the end of the course, students will work in small groups to cohesively combine all elements into a final project: building a model house to scale. Other topics covered: rendering, floor plans, professional lettering techniques, housing concerns and styles, and a field trip opportunities.

INTERIOR DESIGN 2

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Interior Design 1
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Students enrolling in Interior Design 2 will further develop skills learned in Interior Design 1. Weekly design scenario based projects will be created and presented during this course including professional presentation boards, online and computer based design programs in drafting and rendering, and model building. This course will also have field trip opportunities and guest appearances by architects, interior designers and other professionals in the design industry. If you took Interior Design 1 and just didn't want it to end, join us for this extension to expand your portfolio.

HUMAN RELATIONS

Grade Level: 10-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
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If your career choice is in the area of social work, psychology, sociology, education, or business, this course will provide you with valuable insight. Students will study human interaction through personal self reflection and open dialogue in the classroom setting. Human Relations explores personal relationships and skills to help prepare you for your future family, social, and career roles. Help yourself to gain successful and positive relationship skills by taking an interest in your future now.

URBAN SURVIVAL: Adulting 101

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Learn and practice the skills you will need to be a well rounded member of humanity in this student-centered hands-on course. Topics of study include weekly “adulting” lessons (from how to sew on a button and tie a tie to understanding the process of buying your first car and renting an apartment to strategies to help you manage stress for examples), student chosen DIY (do-it-yourself) projects, eating well on a budget (you cook weekly!), self reflection, career search, and personality analysis. If you are a project based learner and prefer to choose your own adventure, this is your class.

HEALTH AND SAFETY EDUCATION

HEALTH

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

This required course includes discussion of physical, emotional, social and personal health. This class takes a more comprehensive look at the following units:

- Mental and Emotional Health
- Family and Social Issues
 - Violence Prevention
 - Relationships
 - Human Development
 - Reproductive System
 - Endocrine System
- STI's
- Nutrition
- Alcohol, Tobacco, and other Drugs

This course is recommended for students in grade 9 or 10.

HEALTH CAREERS INVESTIGATION

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Students have the opportunity in this course to investigate and learn about careers related to the healthcare industry. Being a doctor or nurse are not your only career options in health care. This course will provide an opportunity to explore over 30 health-related careers through classroom speakers and visits to health care providers and job shadowing opportunities. Students interested in pursuing a possible health career would find this experience valuable and informative. **This course does not meet the PE requirements for graduation.**

SAFETY EDUCATION

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Students will receive classroom driver education necessary to complete the Minnesota driver's test and obtain a driver's permit. This course exceeds the state requirements for Classroom Driver's Education and is intended to help the student become a more capable driver by understanding those factors which influence decision making. Safety Education also includes updated information on recreational safety, weather safety, personal safety, power tool and equipment safety, alcohol education and traffic safety. First aid topics will also be covered. The student is responsible for arranging the behind-the-wheel education either after school, on weekends or during the summer. **This course does not meet the PE requirements for graduation.**

INDUSTRIAL TECHNOLOGY

AUTO MAINTENANCE

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Students will learn the principles and parts of the automobile engine, chassis, drive trains and body. This is an introductory maintenance class, not an advanced automotive mechanics course. Students will perform routine maintenance and repairs on their own vehicle. This course will explore and provide experiences for a variety of career possibilities. There will be several hands-on competitions.

CABINETRY AND FURNITURE MAKING

Grade Level: 10-12

Credits: 2

College Credit: Yes

Fine Arts Credits: 2

Prerequisite: Wood Technology or Permission

This course gives students an opportunity to construct quality furniture of their own choice. Along with project construction study will include: skill in the operating of woodworking machines, advanced techniques in construction, finishes, plastics and computer calculations. Project examples: desk, cedar chest, gun chest, gun cabinet, vanity, kitchen cabinets.

ELECTRICITY/ ELECTRONICS

Grade Level: 10-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

The Electricity unit is designed to give students a background in residential wiring through the use of scaled examples and lab activities. Electronics unit will cover the principles of basic electronics. Students will assemble and use lab activities to understand the basic principles of electronics such as: magnetism, circuits, transistors, and integrated circuits.

ENTREPRENEURSHIP

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

Students will learn the challenges of starting and running a business as they set up their own company for production of a product(s) for sale to earn money as they learn. Students will have experience with company structure, finances, marketing, and personnel management.

INTRODUCTION TO CONSTRUCTION

Grade Level: 9-12

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

Students will be introduced to the construction field with the main emphasis on residential construction. The focus will be to provide students with basic information and skills in the construction field. Learning will include class work, visual demonstrations and project experience. Students will have a basic experience to help them continue their education in the Construction program offered through the CSEC Cooperative or a Technical/Trade College program. The class is designed to help students become more employable in the construction field.

INTRODUCTION TO METALS

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

This course is designed to develop introductory skills in arc and gas welding, lathe operations, CNC and sheet metal fabrication as related to metal production. Each student will construct a variety of projects in each area.

INTRODUCTION TO WOODS

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

This course gives an introduction to woodworking machine skill and safety. Wood materials and processes in construction will be studied while students build a simple wood project using basic construction methods.

METALS TECHNOLOGY

Grade Level: 10-12

Credits: 2

College Credit: Yes

Fine Arts Credits: 2

Prerequisite: Intro to Metals or Permission

Each student will construct several required and self-selected projects using advanced metalworking processes. Specialized areas will include computer aided machining, and mill lathe, thermo plasma cutter, mig welding, arc and gas welding. Approximately 70-80% of the class is hands-on.

SMALL ENGINES

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Small engines theories of operation, tools and repair procedures will be covered giving students basic knowledge of 2 and 4 stroke cycle engines. Approximately 60%-70% of the class is hands-on repairing and working in the lab. The study of power includes the study of simple machines, hydraulics, and transmissions.

WOODWORKING TECHNOLOGY

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

This class gives students an opportunity to construct a medium size wood project. Students will develop skill in operating woodworking machines, use materials, and techniques in construction of a quality wood cabinet.

Interested in a career in science, math, technology, or engineering? Check out Project Lead the Way course offerings in this registration guide.

7 Required Math Classes

Here is the order of math classes at WHS:

- 2 credits of **Intermediate Algebra (A&B)** [high school level]
(followed by)
 - 2 credits of **Geometry (A&B)**
(followed by)
 - 2 credits of **Algebra 2 (A&B)**
(and)
 - **Statistics** taken anytime after Intermediate Algebra (A&B)
note: AP Statistics may substitute for Statistics

7 credits of math must be taken at the high school.

Where a student begins math at the high school depends on which math classes were taken in middle school. For example: some students will complete Intermediate Algebra (A&B) [high school level] while in 8th grade. These students will not repeat Intermediate Algebra in 9th grade. Rather, they will begin with Geometry and will take 7 total credits at the high school.

Here is the order of math classes for these students:

- 2 credits of **Geometry (A&B)**
(followed by)
 - 2 credits of **Algebra 2 (A&B)**
(followed by)
 - 1 credit **Trigonometry** and 1 credit **Precalculus**
(and)
 - **Statistics** taken anytime after Intermediate Algebra (A&B)
note: AP Statistics may substitute for Statistics

MATHEMATICS

ALGEBRA CONCEPTS

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Teacher Permission
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This course is intended for students who need to improve their proficiency in the areas of: equation and inequality solving, and linear functions. Teacher recommendation is based on, but not limited to, student performance in Math 8. This course does not count towards the 7 math credits required for graduation.

INTERMEDIATE ALGEBRA (A & B)

Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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This course is a study beyond linear topics in Algebra. Topics in this course will include systems of inequalities, exponent laws, polynomial arithmetic and factoring. Quadratic, exponential, radical and rational functions will also be studied.

GEOMETRY (A & B)

Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Intermediate Algebra
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This course includes the study of parallel and perpendicular lines, triangles, quadrilaterals, polygons, circles, right triangle trigonometry, and transformations.

ALGEBRA 2 (A & B)

Grade Level: 09-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Geometry
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This course includes the study of linear functions and systems, linear programming, quadratic functions, polynomial functions, exponential functions, logarithmic functions, radical and rational functions, trigonometric functions, and transformations of functions.

STATISTICS

Grade Level: 09-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Intermediate Algebra
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This course includes the study of data classification, experimental design, descriptive statistics, basic probability rules and probability distributions.

ADVANCED PLACEMENT STATISTICS (A & B)

Grade Level: 10-12	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Algebra 2
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This is a college level course. Students may take an advanced placement test for possible college credit. Students will learn about exploring data, sampling and experimental design, anticipating patterns, and statistical inference. This course is an advanced level course that is the equivalent of a Statistics 1 course in college. The pace is that of a college course.

PRECALCULUS

Grade Level: 09-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Algebra 2
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This course is designed to provide the mathematical background that high school students need for calculus. Topics include polynomial, rational, exponential, and logarithmic functions and their graphs. Matrices and conic sections will also be studied. This is a high level, elective course and will be run as such. It is expected that students have mastered the concepts from all prerequisite courses, and it is recommended that students have earned at least a "C" average in those courses.

TRIGONOMETRY

Grade Level: 09-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Algebra 2
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This course reviews right triangle trigonometry and studies sine, cosine, and tangent functions, as well as their reciprocal and inverse functions. Students will analyze periodic graphs, solve trigonometric equations, and prove and apply trigonometric identities. This is a high level, elective course and will be run as such. It is expected that students have mastered the concepts from all prerequisite courses, and it is recommended that students have earned at least a "C" average in those courses.

CALCULUS (A & B)

Grade Level: 09-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Precalculus and Trigonometry
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Relationships of limits, rates, areas and volumes will be explored in Calculus. Derivatives and integrals will be the main tools used to explore these topics.

ADVANCED PLACEMENT CALCULUS AB

Grade Level: 10-12	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Precalculus and Trigonometry
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This is a college level course. Students may take an advanced placement test for possible college credit. Topics include differentiation, methods of integration, essential theory and important applications of calculus in such fields as physics, economics and biology. This course is roughly equivalent to college Calculus I.

ADVANCED PLACEMENT CALCULUS BC				
Grade Level: 10-12	Credits: 3	College Credit: yes	Fine Arts Credit: No	Prerequisite: Precalculus and Trigonometry
<p>This is a college level course. Students may take an advanced placement test for possible college credit. Topics include differentiation, methods of integration, essential theory, parametric equations, arc length, vectors, power, Taylor and Maclaurin series, and important applications of calculus in such fields as physics, economics, and biology. This course is roughly equivalent to college Calculus I and Calculus II.</p>				

MUSIC

VARSITY BAND				
Grade Level: 9	Credits: 1.5	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
<p>This band will meet every other day all year long during the same period as Varsity Choir. Varsity Band will place emphasis on basic scales, rhythms, and tone quality. Tone quality and good rehearsals techniques will be stressed. Music in a variety of styles will be taught and performed. Grading is based on play tests, written tests, and rehearsal technique. Expectations include a desire to learn and improve on an instrument, a positive attitude, self-discipline, and cooperation. Lessons and attendance at all public performances are required.</p>				

VARSITY CHOIR				
Grade Level: 9	Credits: 1.5	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
<p>This choir will meet every other day all year long during the same period as Varsity Band. Varsity Choir is our entry-level choir at Waconia High School. Membership consists primarily of 9th graders but all singers are welcome. Students in Varsity Choir are required to attend one vocal lesson with Mr. Olson per trimester. Attendance at all concerts and performances is mandatory. In the Varsity choir we will primarily focus on:</p> <ol style="list-style-type: none"> 1. Vocal Technique including: breath support, vowel formation, diction, phrasing and vocal freedom 2. Music Literacy including: basic music theory and sight-reading 3. Concert Preparation 				

SYMPHONIC BAND				
Grade Level: 10	Credits: 1.5	College Credit: No	Fine Arts Credit: Yes	Prerequisite: By Audition
<p>This band will meet every other day all year long during the same period as Cantabile Women's Choir. Symphonic Band is predominantly for instrumentalists in grade 10. This performance class will place emphasis on the development of basic musicianship (tone quality, rhythmic execution and understanding, balance and blend, technique and goal oriented behavior and attitude). Music in a variety of styles will be taught and performed. Grading is based on individual practice, play tests, written tests, daily performance grades, lesson preparation, daily effort and behavior. Expectations include a desire to learn and improve on an instrument, a positive attitude, self-discipline, and cooperation. Lessons and attendance at all public performances are required.</p>				

CANTABILE WOMEN'S CHOIR				
Grade Level: 10	Credits: 1.5	College Credit: No	Fine Arts Credit: Yes	Prerequisite: By Audition
<p>This choir will meet every other day all year long during the same period as Symphonic Band. Cantabile Women's Choir is an advanced vocal ensemble for women's voices. Cantabile membership requires an advanced level of musical literacy and command of the vocal instrument. Students can expect to be challenged musically, intellectually, and interpersonally through participation in Cantabile Women's Choir. Attendance at all concerts and performances is mandatory. The Cantabile Women's Choir will focus on:</p> <ol style="list-style-type: none"> 1. Vocal technique including: breath support, vowel formation, diction, phrasing and vocal freedom 2. Advanced music literacy including: advanced music theory and sight-reading, as well as melodic and rhythmic dictation 3. Choral tone and blend 4. The preparation of challenging music 5. Concert, contest and festival preparation 				

CONCERT BAND				
Grade Level: 10-12	Credits: 3	College Credit: No	Fine Arts Credit: Yes	Prerequisite: By Audition
<p>This band will meet every day all year long during the same period as Concert Choir. Selection to Concert Band will be used on audition results and instrumentation requirements. Concert Band is for instrumentalists in grades 10-12. This performance class will place emphasis on the development of basic musicianship (tone quality, rhythmic execution and understanding, balance and blend, technique and goal oriented behavior and attitude). Music in a variety of styles will be taught and performed. Concert performances are included on the school calendar and can also be found on the band website and syllabus. In addition to these concerts, the Concert Band will travel on a performance tour every third year. Grading is based on individual practice, play tests, written tests, daily performance grades, lesson preparation, daily effort and behavior. Expectations include a desire to learn and improve on an instrument, a positive attitude, self-discipline, and cooperation. Lessons and attendance at all public performances are required.</p>				

CONCERT CHOIR				
Grade Level: 10-12	Credits: 3	College Credit: No	Fine Arts Credit: Yes	Prerequisite: By Audition
<p>This choir will meet every day all year long during the same period as Concert Band. Concert Choir is our advanced mixed choir consisting of primarily 11-12 graders. Students must be proficient in their musical literacy and have an advanced level of control over the instrument. Students in Concert Choir are required to attend one vocal lesson with Mr. Olson per trimester. Attendance at all concerts and performances are mandatory. In addition to these concerts, the Concert Choir will travel on a performance tour every third year. The Concert Choir will focus on:</p> <ol style="list-style-type: none"> 1. Vocal technique including: breath support, vowel formation, diction, phrasing and vocal freedom 2. Advanced music Literacy including: advanced music theory and sight-reading, as well as melodic and rhythmic dictation 3. Choral tone and blend 4. The preparation of challenging music 5. Concert, contest and festival preparation 6. Tour preparation 				

WIND ENSEMBLE

Grade Level: 10-12

Credits: 3

College Credit: No

Fine Arts Credit: Yes

Prerequisite: By Audition

This band will meet every day all year long during the same period as Select Chamber Choir. Membership of this group includes 10th – 12th grade students that are accepted upon auditioning the previous spring. This ensemble rehearses each school day throughout the year, performing in concerts during each trimester, Region 2AA Large Group Contest, and other events. Concert performances are included on the school calendar and can also be found on the band website and syllabus. In addition to furthering technical abilities as individual musicians, great emphasis is placed on creating a unified musical expression by the entire ensemble. A variety of repertoire will be explored, in addition to relevant theoretical and historical concepts and information. Participation in private lessons is strongly encouraged, but not required of students wishing to be members of Wind Ensemble.

SELECT CHAMBER CHOIR

Grade Level: 10-12

Credits: 3

College Credit: No

Fine Arts Credit: Yes

Prerequisite: By Audition

This choir will meet every day all year long, during the same period as Wind Ensemble. The Select Chamber Choir is the most advanced vocal ensemble offered at Waconia High School. It is comprised of 40 singers (20 male and 20 female). The Select Chamber Choir membership requires an advanced level of musical literacy and command of the vocal instrument. Students can expect to be challenged musically, intellectually, and interpersonally through participation in the Select Chamber Choir. The Select Chamber Choir will perform extensively throughout the community especially during the holiday season singing traditional Holiday Carols. Attendance at all concerts and performances is mandatory. In addition to these concerts, the Chamber Choir will travel on a performance tour every third year. The Select Chamber Choir will focus on:

1. Vocal technique including: breath support, vowel formation, diction, phrasing, and vocal freedom
2. Advanced music literacy including: advanced music theory and sight-reading, as well as melodic and rhythmic dictation
3. Choral tone and blend
4. The preparation of challenging music
5. Concert, contest and festival preparation
6. Tour preparation
7. Numerous community performances
8. Christmas caroling especially around the holiday season

MUSIC APPRECIATION

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: Yes

Prerequisite: None

Music is a part of everyday life. This course will introduce students to the varying styles and musical eras of western music from the medieval period to modern times. Through exposure to our musical history we will discover ways to expand our enjoyment of music. Students will develop listening skills to help in distinguishing quality performances as well as knowledge about choosing quality recordings or attending the best concerts. This course is designed for all students of all musical abilities.

MUSIC THEORY

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
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This course is designed for the student who is interested in expanding his/her knowledge of the written aspects of music, including harmonic structure. The course includes the study of all the fundamentals of music theory and the development of listening skills. Students who are interested in studying music in college will find this course particularly helpful.

PHYSICAL EDUCATION

Note: Students may not repeat PE classes unless prior approval is received from school administration.

ADVANCED TEAM SPORTS

Grade Level: 11-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Team Sports
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This course is a continuation of Teams Sports. Activity units will be extended with an emphasis on advanced skills, content knowledge, competition, and team strategies. Extended units may include: football, volleyball, basketball, softball, and Lacrosse.

FOUNDATIONS OF FITNESS

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Students will participate in activities that address their fitness needs and increase competencies for lifelong participation. Students will construct, evaluate, and modify as needed a personal fitness plan aimed at minimizing preventable health risks. Major class emphasis is on a personal commitment to wellness, fitness for enjoyment, and fitness as a lifetime activity. **This required course is recommended for students in grade 9 or 10.**

INDIVIDUAL/DUAL ACTIVITIES

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Foundations of Fitness
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Students will participate in individual and dual recreational activities that are geared toward lifetime involvement and fitness. Activities may include: badminton, ping pong, handball, pickle ball, basketball (two-on-two/three-on-three), and volleyball (two-on-two/three-on-three).

LIFEGUARDING

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Open to ages 15 - up

Students will be trained in water rescue skills, surveillance and recognition, first aid/CPR/AED, and breathing and cardiac emergencies. In addition to the basic lifeguarding class the following trainings will be included; waterfront skills, administering emergency oxygen, and bloodborne pathogens training. The fee for the lifeguard certification is \$30.

RECREATION ACTIVITIES

Grade Level: 11-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Foundations of Fitness

In this class, students will participate in fall and spring activities in an outdoor setting. Students will understand the basic rules and skills applied to all activities, know how to apply safety procedures related to self and others, and understand the principles of training to improve fitness. Students need to have access to a vehicle. The majority of class time will be off campus. Activity fee for this class is \$40 which includes rock climbing, golf, paddling, and bowling. Other activities include archery, bicycling, fishing, frisbee golf, sand volleyball, and swimming.

SWIMMING FOR FITNESS

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

No matter your swimming level, this class is for you! We will focus on cardiovascular fitness.

There will be a pretest and posttest so you can compare your own individual fitness improvements. We will be in the water every day! Class activities will include open swim, water games, and fitness stations.

TEAM SPORTS

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Foundations of Fitness

Students will participate in team activities that are geared toward lifetime involvement and fitness. Activities may include: flag football, volleyball, basketball, and soccer.

TOTAL FITNESS

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Foundations of Fitness

For those students who want to tone-up not bulk-up. This class develops muscle endurance and cardiovascular training through a variety of aerobic activities such as: pilates, yoga, total body sculpt, resistance tubing and fitness ball aerobics

WEIGHT TRAINING 1

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Foundations of Fitness

Students will be guided through the latest and safest techniques available in lifting. Each student will gather information through lectures, demonstrations, and computer programs so that he/she is capable of designing a safe and sound, functional and time efficient personalized fitness program with an emphasis on weight training. Grades will be based on a written proficiency test, written fitness plan, design of an individualized weight training program, record keeping and participation, and attendance.

WEIGHT TRAINING 2

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Weight Training 1

This class is designed for the more experienced weight trainer who has already developed a personal workout program and wants to continue it. Emphasis is on cross training/total body workouts.

WEIGHTS AND FITNESS

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Foundations of Fitness

This class is designed for the individual student's personal fitness plan by incorporating weight training and fitness components to improve strength, flexibility and increase fitness levels based on their individual needs. The class is offered from 6:50-7:50am to allow flexibility in the student's schedule throughout the day. A workout plan will be designed and implemented throughout the trimester. Pre-requisite for this class is Foundations of Fitness. This class can be taken even if the student has taken any or all of the following: Weights I, Weights II, Total Fitness and/or Extreme Fitness.

PROJECT LEAD THE WAY

CIVIL ENGINEERING AND ARCHITECTURE (CEA)

Grade Level: 11-12

Credits: 2

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects.

COMPUTER INTEGRATED MANUFACTURING (CIM)

Grade Level: 10-12	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: 9th Grade POE
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Want to learn up close how things are made? Is the process for making a water bottle the same as a musical instrument? How are assembly lines designed and automated? Through your growing knowledge of the history, principles, and processes of manufacturing, you will design and build your own automated manufacturing system, factoring in safety, quality cost, and efficiency. Use technologies in your projects that have revolutionized manufacturing: computer modeling, Computer Numeric Control (CNC) technology, Computer Aided Manufacturing (CAM) software, robotics, and flexible manufacturing systems.

CIM is one of the specialized courses in the Project Lead The Way (PLTW) "Pathway to Engineering" course sequence. Prior completion of the PLTW POE and IED foundation courses is strongly recommended, though not required, for enrollment in CIM. Students interested in the science, engineering, manufacturing, and other hands-on career areas should take this course.

ENGINEERING DESIGN AND DEVELOPMENT (EDD)

Grade Level: 11-12	Credits: 2-3	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Intro to Engineering Design
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This high level project-based class is designed to engage students in real world learning, and the application of real world design processes. Students will work individually or in small teams to identify, analyze, and provide solutions to engineering issues that exist today in our world. A goal will be to submit their solution for scholarships, internships, college acceptance, and entrance into career paths. **Enrollment in this course is through instructor permission. Contact Mr. Aeling or Mr. Jensen for more information.**

INTRODUCTION TO ENGINEERING DESIGN (IED)

Grade Level: 10-12	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
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Intro to Engineering Design was specifically developed for students who are interested in pursuing a career in engineering. This hands-on course will challenge students to solve engineering design problems using Auto Inventor, a three-dimensional computer modeling software program. Students will be exposed to design processes and research methods used by engineers to create product models, and will be challenged to document their work and communicate solution to peers.

SCIENCE

PRINCIPLES OF CHEMISTRY

Grade Level: 9	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Principles of Chemistry consists of one trimester of introductory chemistry. Students will learn about matter by studying its properties, structure, and changes. One very important aspect is the atom and how it combines with other atoms to form the wide variety of materials in our world. Students will be introduced to the periodic table of elements, chemical reactions, and the more familiar acids and bases.

PRINCIPLES OF ENGINEERING

Grade Level: 9	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Principles of Physics
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Principles of Engineering is a project-based course that introduces students to the profession of engineering and engineering technology, by exploring various technologies related to manufacturing processes, and engineering systems. Students will use critical thinking skills to analyze, synthesize, and design engineering systems. Students will apply skills and knowledge of math, science, communication, and technology in complex problem solving activities. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. Principles of Engineering is a portion of a course in the Project Lead the Way sequence (PLTW).

PRINCIPLES OF PHYSICS

Grade Level: 9	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Principles of Physics is a project-based course that introduces students to the major concepts they'll encounter in engineering and physics based courses of study. Topics of study include pressure, forces, energy, and heat. Students will use critical thinking skills to analyze, synthesize, and design solutions to various challenges. Students will apply skills and knowledge of math, science, communication, and technology in complex problem solving activities. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. Principles of Physics is a portion of a course in the Project Lead the Way sequence (PLTW).

ADVANCED PLACEMENT BIOLOGY

Grade Level: 11-12	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Cell Bio and Biological Systems
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This is an Advanced Placement (AP) course designed at the college level. Topics/Concepts included are: Biochemistry, Cellular Biology, Energy Systems, Genetics, Evolution, Plants, Human Body Systems, and Ecology. Lectures, text readings, and college-level lab experiments are utilized to understand the concepts of biology. Chemistry and/or Anatomy and Physiology are also helpful prerequisites, but not required.

ANATOMY AND PHYSIOLOGY

Grade Level: 11-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Cell Bio and Biological Systems
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Most individuals are very curious of how their body works; it's one of the greatest mysteries of the world! This course explores the marvels of how the human body is put together and how it functions; for example, 'What does a blood pressure reading mean?', 'Are cracking your knuckles bad for you?', 'What is myopia?', and 'What is the difference between the common cold and the flu?' Questions like these are designed for students who wish to better understand the human body, as well as those anticipating a biological or medical-related career. The body systems studied include: skeletal, muscular, nervous, circulatory, cardiovascular, digestive, respiratory, and urinary. Laboratory activities & projects (ex. bone & muscle identification, reflex testing, blood typing, EKG's, urinalysis testing, dissections of the eye, heart, and CAT), case studies, lecture, field trips to Ridgeview Medical Center, guest speakers, medical websites, LabQuest hand-held devices that measure medical data, and videos will be used to demonstrate the structure & function of the human body.

ANIMAL SCIENCE

Grade Level: 11-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: 10th grade biology
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This course is structured to introduce all students to a variety of experiences that will provide an overview of the field animal science. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers.

BIOLOGICAL SYSTEMS

Grade Level: 10	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Principles of Chemistry, Principles of Physics, Principles of Engineering
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This course investigates the macro-understanding of the biological world. Topics covered include plants, animals, animal body systems, behavior, ecology, and pig dissection.

CELL BIOLOGY

Grade Level: 10	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Principles of Chemistry, Principles of Physics, Principles of Engineering
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This course will focus on the living world at the cellular level. The topics covered are the nature of science, cells, genetics, evolution, and microbiology. This course will provide a general background for the student to pursue a more in-depth study in other classes.

CHEMISTRY

Grade Level: 11-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Principles of Chemistry
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This course is designed to meet the chemistry/physics requirement for students. The course is also designed to help students improve problem solving skills that they may see at a postsecondary institution. Taking chemistry will be a great help to any student planning to major in science, engineering, or something in the medical field. It will review everything from 9th grade chem with more depth, add many new topics, and more math equations to better prepare students for post-secondary. Getting some of the basic ideas down will make the transition to a college chemistry class much easier to start. Basic algebra skills are applied with the student given significant lab experience. Topics covered include measurement, matter, atoms, bonding, reactions, stoichiometry, gases, acids and bases, and equilibrium.

ADVANCED PLACEMENT CHEMISTRY

Grade Level: 11-12	Credits: 3	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None, this is an alternative path to regular chemistry and is meant for students that will need chemistry for their college major.
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If you need chemistry for your major in college (medical fields, science fields, etc.), then taking AP chemistry is a great idea. We will cover all the topics that are covered in the first year of college chemistry, but it will be an easier pace, with fewer students, and we'll try to have some fun. AP chemistry covers the chemistry/physics requirement for graduation. Testing out of some college classes is possible, but at the least everything you see in your college class should be review. Students in this course will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The third trimester will finish up major ideas and review for the AP test. After the test we will focus on learning some basics of organic chemistry. Topics include: atomic structure, quantum mechanics, stoichiometry, concentrations, thermochemistry, equilibrium, kinetics, nuclear chemistry, and organic chemistry.

COLLEGE IN THE SCHOOLS PHYSICS

Grade Level: 11-12	Credits: 3	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Algebra 2
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Introductory College Physics I (PHYS 1101W) is a traditional algebra-based introductory college physics course. The course provides students with the opportunity to learn fundamental physics principles and complex problem-solving skills needed for more advanced study. PHYS 1101W is an appropriate course for students who are good at math and who are interested in studies in science or engineering. PHYS 1101W is a required course at the U of M for students with majors in fields such as architecture, pre-vet, pre-med and kinesiology.

CSI FORENSICS

Grade Level: 11-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Cell Bio and Biological Systems
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Is CSI your favorite show? Then this might just be the course for you. Students that elect to take this course will investigate several aspects of forensic science. Some of the topics to be uncovered are: DNA analysis, fingerprinting, blood spatter, crime scene processing, using insects to determine time of death, and the history of forensics. This course will consist of experiments, mini-crime scenes, demonstrations, projects and lectures.

ENVIRONMENTAL STUDIES

Grade Level: 11-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Cell Bio and Biological Systems
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This project-based course explores a variety of teacher driven topics including Aquaponics, meat science, & climate change. This course focuses on student-driven topics through trimester long research that culminates with a small group presentation of the topic. Outside field studies include on campus and off campus connections to environmental resources.

Environmental Studies is a course designed with the goal to explore different environmentally related topics while focusing on depth rather than breadth.

FISH AND WILDLIFE BIOLOGY

Grade Level: 11-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Cell Bio and Biological Systems
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This course has a focus on the variety of wildlife that inhabits our MN natural areas. This course will discuss wildlife and natural habitat as well as examine ecological and management principles associated with hunting/fishing regulations, recreation, and the enjoyment of our resources. Study topics include: habitat and wildlife management, birds of prey, game birds, and song birds, game fish, mammals, amphibians and reptiles. Wildlife current events will be covered for each topic along with magazine article reviews. Experiences include: bird ID, fish ID and dissection, live trapping, skinning and tanning lab, habitat assessment and improvement project, outdoor field trips, and guest speakers. This course is designed for those who enjoy hunting and fishing and have an interest in Minnesota wildlife.

PHYSICS

Grade Level: 11-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Principles of Physics
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This is an introductory physics course that uses a mathematical representation to describe the physical world. Topics include kinematics, Newton's laws of motion, energy, momentum, rotational motion, fluids, gravitation, oscillations and waves, and thermodynamics. This course will fulfill the chemistry/physics requirement for graduation.

STELLAR ASTRONOMY

Grade Level: 11-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Cell Bio and Biological Systems
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Llewellyn Powers said it best when he said "No sight is more provocative of awe than is the night sky." If you have ever looked up at the sky at night, this class is for you! Topics to include (but not limited to): how did our universe get to its current state, constellation identification, mythology, fate of our galaxy, historical events and much, much more. Weather permitting, there will be optional evening observation sessions to put your knowledge into practice.

WINTER BIOLOGY

Grade Level: 11-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Cell Bio and Biological Systems
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This course offers students experience in the elements of winter. Practical work and knowledge of our winter environment and how we deal with winter's wrath will be covered. Outdoor experiences are frequent. Topics covered include: humans in the cold (frostbite and hypothermia info.), winter survival, car kits, glaciers – snow – and avalanches, Minnesota plant and wildlife adaptations, making snowshoes, and building a survival shelter and fire in the snow. We do go outside in the cold! So bundle up and experience winter first hand.

Interested in a career in science, math, technology, or engineering? Check out Project Lead the Way course offerings in this registration guide.

SENIOR SEMINAR

SENIOR SEMINAR

Grade Level: 12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Senior seminar is designed to help prepare students for life after high school. The course is divided into four subjects: health, finance, auto maintenance, and communication. Students spend approximately 14 days on each subject rotating from one to the next throughout the trimester. Each subject is outlined below:

Health: first aid and CPR (students eligible for CPR/First Aid certification), Community medical emergency resources.

Finance: budgets, checking accounts, credit, loans, investing, insurance.

Auto Maintenance: basic auto systems maintenance, safety concerns and general car care, purchasing and insurance.

Communication: cover letters, resumes, professional emails, social networking, successful interview skills and techniques.

SOCIAL STUDIES

AMERICAN CITIZENSHIP

Grade Level: 9	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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This class will examine the following topics concerning our state and country: U.S. Constitution, citizenship, and civic responsibilities.

CRIMINAL JUSTICE

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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This course is designed to give the student a realistic understanding of the way the criminal justice system works. The first unit will cover crime, criminals and victims examine the causes and kinds of crime and the role fear of crime plays in our society. The next unit will cover law enforcement, the need for law officers, development of police forces, nature of police work and the relationship between police officers and society. The court system, procedures involved in a trial, right to counsel, plea bargaining and the jury system will be studied. The student will also have the opportunity to interact with different law enforcement personnel.

ADVANCED PLACEMENT UNITED STATES HISTORY

Grade Level: 10	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Should be in top 25% of class
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This is a college level course that focuses on the political and social history of the United States. This course covers the development of the United States through present day, with an emphasis on social history. Substantial emphasis is placed on higher-level learning skills and reading comprehension. Upon completion of the course, students will have the opportunity to take the AP U.S. History exam to earn college credit. Please note: there will be a preparatory assignment given the trimester before the course begins. This is a college level course that meets the grade 10 U.S. History requirement.

ECONOMICS

Grade Level: 12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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This course is about the study of economic principles and practices. It will include the areas of scarcity, business organizations, supply and demand, employment and wages, international trade, corporate economic systems, and global economic challenges. Also included will be the government's role in the economy and how the government affects the economy.

HISTORY'S MYSTERIES

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Students will explore some of the most puzzling events and people of the past. The class will promote problem solving skills by analyzing historical evidence surrounding the given mysteries and then will allow students to draw their own conclusion. Hot topics include : What goes on in the Bermuda Triangle, Who was the Zodiac Killer, Did UFO's really visit Roswell, New Mexico, and is Bigfoot for real?

HUMAN GEOGRAPHY

Grade Level: 10-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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This course focuses on the distribution, processes, and effects of human population on the planet. In this course we will explore the world's landforms and water bodies, population, movement, culture, language, religion, ethnicity, political geography, land usage, and urban development.

MINNESOTA HERITAGE AND CULTURE

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Minnesota Heritage and Culture takes a deep look at Minnesota's past, present and future. The course will use a variety of the social science courses to get a well-rounded look at our home state. Geography, History, and Anthropology will be used to explore Minnesota's rich heritage. A variety of field trips and research options will be used to fulfill a rich worthwhile experience. Yeah You Betcha!

PSYCHOLOGY

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

This course will further a student's understanding of self and society. The topics covered will include: the introduction to and the history of psychology, biological influences on behavior, human psychosocial development, intellectual ability and the principles of learning & memory, human ability to think, the impact stress has on human mental processes, and psychological disorders. These different psychological perspectives are used to analyze and explain personal and social issues.

SOCIOLOGY

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Offers an introduction to the study of human society and social behavior. Students will study groups of people within their community and the larger United States by examining the sociological point of view, norms and cultural conformity and adaptation, cultural diversity, social control and change, social structure, and deviance and social control.

SPORTS AND SOCIETY

Grade Level: 10-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

In this class we will comprehensively look at the history and the development of modern day athletics. We will attempt to show the impact participation in athletics has on our lifestyles and those around us. This class will focus on the historical development of competitive team and individual athletics as well as the recent development of extreme and recreational or life-long sport.

US GOVERNMENT

Grade Level: 12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Government 12 will cover the Institutions of the United States Government. It will take an in depth look at the branches of government and their duties, political parties and organizations, the role of outside groups, the role of the media, and compare the United States Government with that of other nations. This class will also look at the people's role within the political process of the United States.

ADVANCED PLACEMENT US GOVERNMENT & POLITICS				
Grade Level: 12	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p>This course will study both general concepts used to interpret U.S. Politics and analyze specific examples. Students will familiarize themselves with the various institutions, groups, beliefs, and ideas that constitute U. S. Politics. Students will become acquainted with a variety of theoretical perspectives and explanations for various behaviors and outcomes. Topics included will be:</p> <ul style="list-style-type: none"> • Constitutional underpinnings of U.S. Government • Political beliefs and behaviors • Political parties, interest groups, and mass media • Institutions of national government • Civil rights and civil liberties • Government, the economy, and economic systems <p>This college level course meets the grade 12 Economics and Government requirement.</p>				

US HISTORY (A & B)				
Grade Level: 10	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: None
<p>This class will study 20th Century U. S. History from WWI to the present. This class will emphasize the important knowledge (people, places, events) to be learned, but will expect the students to be creative in working on projects designed to demonstrate the student's knowledge.</p>				

WORLD HISTORY (A & B)				
Grade Level: 11	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: None
<p>This course focuses on world history, cultures, and cultural changes throughout the world. Some areas covered include: world religions, economic systems, technology changes, world music, and culture clashes of the past and present. General map work will be incorporated into class work.</p>				

ADVANCED PLACEMENT WORLD HISTORY				
Grade Level: 11	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p><i>This is a college level course that focuses on the history of the world beginning in 8000 BCE, with close attention on years 1450 CE to the present day. Emphasis is placed on major events, people, economic and political institutions, technical innovations, and philosophical and religious beliefs that have guided human behavior and ultimately, have shaped the modern world. The course devotes considerable time to the critical evaluation of primary and secondary sources and the development of analytical writing skills. Upon completion of the course, students will have the opportunity to take the AP World History exam to earn college credit. This course meets the grade 11 World History requirement.</i></p>				

UNIQUE LEARNERS

The purpose of the Unique Learning Program is to assist in the identification and remediation of skill or behavior deficits in students with specific or general learning disabilities, speech and language problems, emotional/behavioral disorders, vision and hearing and other health impairments. Students with an IEP may receive services in the mainstream, either indirectly or directly. The services may include support in note taking, modification of tests or curriculum, and monitoring of the student's progress

FUNCTIONAL MATH, ENGLISH, & SOCIAL SKILLS				
Grade Level: 9-12	Credits: 1-3	College Credit: No	Fine Arts Credit: No	Prerequisite: None
Meets the goals/needs as defined in a student's Individualized Education Plan (IEP). Topics covered may include spelling, vocabulary, reading skills, written expression, basic math skills, consumer mathematics, personal finances, and social skills.				

LANGUAGE ARTS 9-12				
Grade Level: 9-12	Credits: 1-3	College Credit: No	Fine Arts Credit: No	Prerequisite: None
Students will work on goals and needs as defined in their Individualized Educational Plan (IEP). Topics covered may include reading comprehension, writing mechanics, and strategies that will increase the skills necessary to be successful in a post secondary setting				

MATH 9-12				
Grade Level: 9-12	Credits: 1-3	College Credit: No	Fine Arts Credit: No	Prerequisite: None
Students will work on goals and needs as defined in their Individualized Educational Plan (IEP). Topics covered may include basic math skills, algebra, geometry, and real life math concepts.				

SOCIAL THINKING SKILLS				
Grade Level: 9-12	Credits: 1-3	College Credit: No	Fine Arts Credit: No	Prerequisite: None
Students will work on goals and needs as defined in their Individualized Educational Plan (IEP) regarding social interaction, social communication, and behaviors. Students will participate in lessons on expected social behavior for high school students and lifelong social expectations. The lessons will involve video modeling, watching television/movie clips, and role playing for a hands-on approach to learning about social thinking. This class also includes lessons on executive functioning skills, such as, organization, planning, and prioritizing with some time for homework support.				

PLANNING AND STUDY SKILLS

Grade Level: 9-12

Credits: 1-3

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Planning and Study skills is a class for students that need to work on being a good student. Topics covered will include: note taking strategies, test taking strategies, and stress management strategies. Also included will be netiquette, respect, motivation, diversity and finding your inner drive to complete work. This class will have a 20 minute lesson on the topic then, the rest of the class will be dedicated to completing work for classes, studying for tests and organization of work.

TRANSITIONAL SKILLS

Grade Level: 9-12

Credits: 1-3

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Meets the goals/needs as defined in a student's Individualized Education Plan (IEP). Topics covered may include job training, interviewing, work skills, job trials, hygiene and grooming, and housing. The class focus is to get students ready for their plans after high school.

WORLD LANGUAGE

FRENCH 1 (A & B)

Grade Level: 9-12

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Salut et Bienvenue! Hi, Welcome! This course invites you to expand your worldview by exploring a different culture and learning a new language! While learning the basics of the French language, students will explore the daily life, customs and traditions of the francophone world.

FRENCH 2 (A & B)

Grade Level: 9-12

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: French 1

Bonjour a Nouveau! Hello Again! This course is a continuation of French I. Students will learn to communicate and to express themselves effectively on many aspects of daily life: meeting people, going out with friends, and daily routines.

FRENCH 3 (A & B)

Grade Level: 10-12

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: French 2

This course will continue to expand students' knowledge of the French language, placing an emphasis on oral proficiency and cultural understanding. Students will explore language and culture through conversations about daily life, and reflections on literature, videos and films.

FRENCH 4 (A & B)				
Grade Level: 10-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: French 3
<p>This course is designed so that it may be combined with French 3, enabling all interested students to pursue an additional year of French study. Students will continue to expand their communication skills in speaking, listening, and writing. This course would be beneficial in maintaining and sharpening language skills prior to taking placement or proficiency tests for college.</p>				

FRENCH: C.I.S. YEAR 1 (PART 1)				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: French 3 with teacher recommendation
<p>Development of reading, listening, writing, and speaking skills in the context of cultural themes related to the Francophone world, plus grammar review and elaboration.</p> <p>NOTE: Students enrolling in FREN 1003 must be juniors or seniors in high school and have already completed three or four years of high school French or have instructor approval. Qualified ninth and tenth graders may apply to enroll with instructor approval.</p>				

FRENCH: C.I.S. YEAR 1 (PART 2)				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: French: C.I.S. Yr 1 (Part 1)
<p>Development of reading, listening, writing, and speaking skills in the context of cultural themes related to the Francophone world, plus grammar review and elaboration.</p> <p>NOTE: Students enrolling in FREN 1003 must be juniors or seniors in high school and have already completed three or four years of high school French or have instructor approval. Qualified ninth and tenth graders may apply to enroll with instructor approval. Successful completion of this courses earns 5 college credits.</p>				

FRENCH: C.I.S. YEAR 2 (PART 1)				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: French C.I.S. Year 1
<p>Continued development of reading, listening, writing, and speaking skills in the context of cultural themes related to the Francophone world, plus EXTENDED grammar review and elaboration.</p> <p>NOTE: Students enrolling in this course must be juniors or seniors in high school and have completed FREN 1003 with a C- or better, or have instructor approval. Qualified ninth and tenth graders may apply to enroll with instructor approval.</p>				

FRENCH: C.I.S. YEAR 2 (PART 2)				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: French C.I.S. Year 2 (PART A)
<p>Continued development of reading, listening, writing, and speaking skills in the context of cultural themes related to the Francophone world, plus EXTENDED grammar review and elaboration.</p> <p>NOTE: Students enrolling in this course must be juniors or seniors in high school and have completed FREN 1003 with a C- or better, or have instructor approval. Qualified ninth and tenth graders may apply to enroll with instructor approval.</p> <p>Successful completion of this courses earns 5 college credits.</p>				

SPANISH 1 (A & B)				
Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: None
<p>In Spanish 1, students will explore the cultures of Mexico and Cuba. The primary focus will be on the comprehension of the spoken language. Language skills will be acquired by means of storytelling and development of reading strategies. Students will read a level-appropriate novel that centers on the culture of study. Students will have the chance to listen and read in Spanish, as well as to express their ideas and opinions through basic writing and speaking. This class incorporates a variety of Latin music styles, history and traditions, opening the door to the language acquisition adventure.</p>				

SPANISH 2 (A & B)				
Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Spanish 1
<p>In Spanish 2, students will explore the cultures of Costa Rica and Guatemala. This course will build on the skills acquired in Spanish 1 while being exposed to high frequency language through storytelling and discussion that will enable natural language acquisition. Students will read a level-appropriate novel that centers on the culture of study, and other supporting readings to provide language input. Students will have plenty of opportunities to listen and read Spanish. In addition they will be able to express their ideas and opinions through basic writing and speaking. Building on level 1, this course incorporates a variety of Latin music styles, history, and traditions, while maintaining a focus on natural language acquisition.</p>				

SPANISH 3 (A & B)

Grade Level: 9-12

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: Spanish 2

In Spanish 3, students will explore the cultures of the Caribbean and Spain while being exposed to high frequency language through storytelling and discussion that will enable natural language acquisition. This course will build on the skills acquired in Spanish 1 & 2. Students will read a level-appropriate novel in each course that centers on the culture of study, and other high-interest readings to provide language input. Through novels, Book Club, and regular Free Voluntary Reading sessions, students will deepen their language skills and explore topics of interest. Students will have ample opportunity to interact with the language through reading and listening, as well as to express their ideas and opinions through writing and speaking. Through music and the study of cultural traditions from these regions, students will be able to experience language and culture in a new way.

SPANISH 4 (A & B)

Grade Level: 9-12

Credits: 2

College Credit: No

Fine Arts Credit: No

Prerequisite: Spanish 3

In Spanish 4, students will explore South America, the United States, and Spain. Students will be exposed to high frequency language through storytelling and discussion that will enable natural language acquisition. Students will read a variety of texts: novels, short-stories, articles, and songs. The courses in this level are designed to deepen the understanding of both the Spanish language and the cultures that speak it. The aim of level 4 is to build on the skills acquired in previous levels, and continue the development of language skills in all four areas of language proficiency: listening, reading, writing, and speaking. This course is designed to prepare students for success in the University of Minnesota Intermediate Spanish course offered at WHS through College in the Schools.

COLLEGE IN THE SCHOOLS SPANISH (Intermediate Spanish [University of Minnesota])

Grade Level: 12

Credits: 3

College Credit: Yes

Fine Arts Credit: No

Prerequisite: Spanish 4 or approval

Students will be enrolled as U of M students when taking this course. Upon completion, with a minimum grade of C-, students will receive high school credit and 10 University of Minnesota credits (credits are recorded on a University of MN transcript and can be transferred to other Universities). Students will continue to develop their Spanish proficiency through the exploration of current, engaging topics with a global perspective. Completion of this course fulfills the language requirement to earn a degree from the College of Liberal Arts at the University of Minnesota, and students can have certification of Intermediate Proficiency according to National Guidelines.

SPANISH CONVERSATION & CULTURE				
Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: Spanish 1 or Permission
<p>In this course, students will explore cultural topics with a focus on developing their conversation and communication skills. This course will be a multi-level course with different levels of expectations, depending on each student's previous experience. This course is meant to be a <u>third</u> trimester of language for students who want to keep improving their Spanish skills throughout all three trimesters of the school year. It's also a great opportunity for students who are interested in learning more about the many cultures of the world that speak Spanish.</p>				

SPANISH FOR HERITAGE SPEAKERS (A & B)				
Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Hearing/Speaking Spanish at home, and/or near-native language proficiency
<p>This course is for students who hear and speak Spanish at home, and/or who have a near-native proficiency level. In this course, Spanish for heritage speakers, students will develop proficiency in reading, listening, writing, and speaking skills. Students will study Hispanic history, language, and culture. Students will be expected to participate orally on a daily basis. Students will learn the differences between formal and informal language, both oral and written. This course is an opportunity for students to celebrate Hispanic cultures, and to connect with other students who have significant language proficiency in Spanish.</p>				

SOUTHWEST METRO EDUCATIONAL COOPERATIVE ON SITE OFFERINGS LOCATED AT WHS

ANIMAL SCIENCE (Part 1 & 2)				
Grade Level: 10-12	Credits: 12	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p>(Students may take Animal Science 1 only if so desired.) This course covers the production of animals for food. Agricultural animal production is the focus of this class. The course includes taxonomy, anatomy, feeding and nutrition, reproduction and uses of production animals. Animals and animal products are discussed, including milk, eggs, wool and meat. Dissections of preserved specimens may be included in this class.</p>				

INTRODUCTION TO CORRECTIONS				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p>This course introduces students to the various professionals dealing with corrections concerns. Some of the programs addressed in Introduction to Corrections are Criminal Law; Police and Legal Issues; and Police Conduct.</p>				

INTRODUCTION TO EDUCATION (Part A & B)				
Grade Level: 11-12	Credits: 2	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p>This course is appropriate for students who intend to pursue advanced study in the field of education. Introduction to Education provides an overview of the education profession and U.S. educational system, including historical development, social foundations, and educational institutions. Other topics include current theories, trends and issues in education and the community, certification standards, roles and responsibilities of teachers, learners, and other school personnel, and a field experience/practicum.</p>				

TECHNOLOGY IN EDUCATION				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p>This course is designed to provide opportunities to explore and develop skills in using current technology platforms, software, and formats; demonstrating the current best practices of using technology as a tool to enhance learning; integrating technology in today's kindergarten through twelfth-grade classrooms; and raising awareness of technological accessibility tools that could meet the needs of students with impairments or disabilities.</p>				

JUVENILE JUSTICE AND DELINQUENCY				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p>This course is designed for students interested in becoming police officers, federal agents, probation/parole officers, lawyers/judges, juvenile justice workers, and crime scene investigators. The institutions of police, courts, and corrections will be studied as to how they protect people and their rights, along with society's changing view/status of children, discretion and the juvenile justice system, delinquency and youth crime, illegal drug use and delinquency, juvenile court and much more. Writing and critical thinking skills will be developed throughout the course by class discussion, student presentations and small group activities.</p>				

MEDICAL TERMINOLOGY				
Grade Level: 11-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
<p>This course Introduces students to terminology used in the health professions covering fundamental skills necessary to understand, speak, read, write, and interpret. Students who successfully complete this course are eligible for 3 college credits through Normandale Community College.</p>				

NURSING ASSISTANT (CNA)/MEDICAL TERMINOLOGY

Grade Level: 11-12

Credits: 2

College Credit: Yes

Fine Arts Credit: No

Prerequisite: None

This course includes the Medical Terminology course listed above. This course is for those who wish college credit in Medical Terminology AND certification as a Nursing Assistant.

Required Materials: For certification, students will need to pass a background check (\$29.10), get screened for Tuberculosis, and purchase Navy Blue scrubs.

Certification Testing: State skills and knowledge test (around \$200)

Approved through the Minnesota Department of Health, Nursing Assistant will train students to work directly with residents of a long term care facility. Clinical rotations are conducted at Auburn Manor in Chaska. Students will learn the curriculum and skills required to take the state Nursing Assistant Registry Exams. Students also earn certifications in basic first aid and CPR through the American Heart Association.

Career and Technical Education at SouthWest Metro

OFF SITE OFFERINGS LOCATED IN CHASKA

Waconia High School students have the opportunity to attend technical programs in Chaska, Minnesota. These trimester courses meet two periods per day (usually first and second period.) Transportation is not provided.

Visit: swmetro.k12.mn.us for complete program descriptions

Career and Technical Education

- Agricultural Careers
- Automotive Technology
- Computer Networking
- Computer Repair
- Construction Technology
- Cosmetology
- Criminal Justice
- Graphic Design and Print
- Medical Careers
- Photography
- Project Lead the Way