

Class of 2027



Freshman Registration Handbook

The content of this handbook applies specifically to 9th graders.

The complete handbook for all grades is available online.

Dear Student and Parent/Guardian:

This guide is a catalog of courses and programs offered during the 2023-2024 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. Please read the information, browse through the course offerings and special programs, and 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-G) lalger@isd110.org

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

Haley Fogarty, Counselor (student last names: P-Z) hfogarty@isd110.org

Waconia High School at a Glance

School Year

- 3 trimesters

School Day

- 5 periods each day.
- Regular Daily Time Schedule
 - ❖ Period 1 – 8:30-9:40
 - ❖ Period 2 – 9:45-10:55
 - ❖ Period 3 – 11:00-12:10
 - ❖ Period 4 – 12:15-1:50 (Lunch is served during this period)
 - ❖ Period 5 – 1:55-3:05
- Tuesday and Thursday (Wild Time/Advisory) Time Schedule
 - ❖ Period 1 – 8:30-9:30
 - ❖ Period 2 – 9:35-10:35
 - ❖ WILD/Advisory – 10:40-11:15
 - ❖ Period 3 – 11:20-12:20
 - ❖ Period 4 – 12:25-2:00 (Lunch is served during this period)
 - ❖ Period 5 – 2:05-3:05

CREDITS

- Each class is worth 1 credit.
- 55 credits are required for graduation
- Required credits: 37
 - ❖ English: 8 credits (4 years)
 - ❖ Social Studies: 8 credits (4 years)
 - ❖ Math: 7 credits (3.5 years)
 - ❖ Science: 7 credits (3.5 years)
 - ❖ PE: 2 credits (1 year)
 - ❖ Health: 1 credit (.5 years)
 - ❖ Fine Arts: 2 credits (1 year)
 - ❖ Speech: 1 credit (.5 years)
 - ❖ Senior Seminar: 1 credit (.5 years)
- Elective credits: 18
 - ❖ Student choice

Course and Credit Requirement Breakdown - Class of 2027

Each class is counted as 1 credit. 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)	Prin. of Chemistry, Prin. of Engineering, and Prin. of Physics
Mathematics (2)	2 Math Courses (see Mathematics section)

Grade 10 Core Requirements:

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

Grade 11 Core Requirements:

English (2)	Comp. 11; and Themes in Literature 11 or American Literature 11 (choose one); or Advanced Placement Language and Composition
Social Studies (2)	World History A and B; or Advanced Placement World History: Modern
Mathematics (2)	2 Math Courses (see Mathematics section)

Grade 12 Core Requirements:

English (2)	Composition 12 or College Academic Writing (choose one); and Themes in Literature 12 or College Literature: Global Perspective (choose one); or Advanced Placement Literature and Composition
Social Studies (2)	Economics and Government 12; or Advanced Placement US Government
Senior Seminar (1)	

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)

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
Girls Tennis			

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	Boys Tennis

Other School Sponsored Clubs & Activities

Knowledge Bowl, Conservation Club, International Art & Culture Club, Instrumental Ensemble, Art Club, Yearbook, Jazz Band, National Honor Society, Pep Band, Prom Committee, Waconia Strength and Conditioning, Robotics Club, Science Club, Student Council, Vocal Ensemble, Unified Sports, DECA, Fashion Club, HCLC (Hispanic Culture & Language Club), International Thespian Society (Drama Club), Speech, Sports Photography Club (Yearbook Photography Club), Tactical Games Club, Waconia Newspaper Club

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 Studio Art 2-D Design (2)	AP Biology (2)	AP Calculus A/B (2)
AP Calculus B/C (3)	AP Chemistry (3)	AP Lang. & Composition (2)	AP Lit. & Composition (2)
AP Lit: Ext. Read & Analysis (1)	AP Statistics (2)	AP US Gov. & Politics (2)	AP US History (2)
AP World History: Modern (2)	Pre-AP English 9 (2)	Pre-AP English 10 (2)	

Concurrent Enrollment	CIS French (2)	CIS Physics (3)	CIS Spanish (3)
SMSU College Algebra (1)	SMSU College Academic Writing (1)	SMSU College Literature: Global Perspective (1)	SMSU Intro to Education (1)
SMSU Management 101 (1)	University of Iowa Start Your Own Business (1)		

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

Articulated Courses	Accounting 1 (1)	Accounting 2 (1)	Computer Applications (1)
Emergency Medical Responder (1)	Emergency Medical Technician (2)	Introduction to Corrections (1)	Introduction to Marketing (1)
Medical Terminology (1)	Nursing Assistant (2)		

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

There are many opportunities to earn college credit while in high school. We encourage you to view our Post-Secondary College Credit Opportunities document to see what is all available.

Post-Secondary Enrollment Options (PSEO)

Postsecondary Enrollment Options (PSEO) is a program that allows 10th, 11th and 12th grade students to earn both high school and college credit while still in high school, through enrollment in and successful completion of college nonsectarian courses at eligible postsecondary institutions. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Each participating college or university sets its own admissions requirements for enrollment into the PSEO courses. Eleventh and 12th-grade students may take PSEO courses on a full- or part-time basis; 10th-graders are eligible to enroll in PSEO on a more limited basis (see note below). Students must meet the PSEO residency and eligibility requirements and abide by participation limits specified in Minnesota Statutes, section 124D.09 <https://www.revisor.mn.gov/statutes/cite/124D.09> . If a school district determines that a pupil is not on track to graduate, she/he may continue to participate in PSEO on a term by term basis.

Tenth-grade students may initially enroll in one Career and Technical Education (CTE) PSEO course if they receive a reading proficiency score of “meets” or “exceeds” on the 8th grade MCA. If 10th graders taking a CTE PSEO course earn at least a grade C in that class, they may take additional postsecondary courses. If the student did not take the MCA in 8th-grade, another reading assessment accepted by the enrolling postsecondary institution can be substituted. For students with disabilities, there is an alternative option to demonstrate reading proficiency.

By March 1 of each year, or three weeks prior to the date a student registers for courses for the following school year (whichever is earlier), schools must provide PSEO information to all students in grades 8-11 and their families. To assist the district in planning, a student must inform the district by May 30 of each year of their intent to enroll in postsecondary courses during the following school year.

There is no charge to PSEO students for tuition, books or fees for items that are required to participate in a course. Students may incur fees for equipment that becomes their property when the course or program is completed, textbooks that are not returned to the postsecondary institution according to their policies, or for tuition costs if they do not notify the district by May 30 and the district does not waive this date requirement.

Funds are available to help pay transportation expenses for qualifying students to participate in PSEO courses on college campuses. For more information on these funds, access the PSEO Mileage Reimbursement Program Instructions on the Minnesota Department of Education website.

Enrolling in a PSEO course does not prohibit a student from participating in activities sponsored by the high school.

School districts must allow a PSEO student reasonable access to the high school building, computers and/or other technology resources during regular school hours to participate in PSEO courses, whether on-line or on campus.

Each year, districts must publish their grade-weighting policy on their website, including a list of courses for which students can earn weighted grades. Waconia High School does not weigh grades.

All courses taken through the PSEO program must meet graduation requirements. Districts must transcript credits earned in PSEO by a ratio prescribed in statute. Districts have the authority to decide which subject area and standards the PSEO course meets. If there is a dispute between the district and the student regarding the number of credits granted for a particular course, the student may appeal the board's decision to the commissioner. The commissioner's decision regarding the number of credits will be final.

Withdrawal From Courses

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

- A. Discuss the reasons for dropping with your teacher, counselor and parent.
- B. If a class is dropped with a failing grade, the grade of WF (withdraw/failing) stands with no credit given.
- C. If a class is dropped with a passing grade, the instructor and counselor will determine the recorded grade. The grade may be a WF or F.

Schedule Change Requests

If a student would like to make a schedule change, the student must contact their counselor to discuss their request. Please note: Schedule requests must be based on educational need and will be dependent upon space and availability of courses. Schedule changes will ONLY be considered for the following reasons:

- Student does not meet the prerequisites of the course.
- Student is missing a graduation requirement.
- Student has failed a course and must re-schedule.
- Student is a senior and is dropping a course to be a TA or use their Senior Privilege.
- Student is registered for a PSEO class.

ART

*Some Art classes include a fee. Please see individual description for more information.

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 sketches and projects. Emphasis on the idea that art is all around us everyday and art as a means of communication. *This class includes a \$10 fee.

ART AS CRAFT/APPLIED ART

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Introduction to Art
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This course is very hands-on. Students will do projects that are more craft oriented. Examples are tile mosaic, fabric dying, weaving, wood cut printmaking and various paper arts. Drawing and painting skills are not necessary for success in this class. *This class includes a \$10 fee.

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. *This class includes a \$10 fee.

DRAWING AND PAINTING

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: Introduction to Art
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This course is focused on improving drawing skills in areas such as portrait drawing and linear perspective. Painting experiences will include mixed media collage, acrylic and watercolor painting. Emphasis on students developing their own personal style and creativity. *This class includes a \$10 fee.

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 a structured class and many students love its 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. 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 a fun workplace atmosphere! Join us. This is an Honors Course.

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! This is an Honors Course.

BUSINESS LAW & PERSONAL LAW

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Law for Business and Personal Use is a brief introduction to Minnesota's legal system. Personal points of emphasis are criminal law, civil law, constitutional rights, tort law, and juvenile law; while business law looks at consumer law, etc. This is a great class for all wanting to know more about how our laws affect them daily and how the legal system is set up.

BUSINESS MANAGEMENT

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Business Management covers many of the general topics important to any business or management position. We cover the functions of management, strategic planning, business analysis, operations, communication and decision-making, business ethics, human resources, etc.

COMPUTER APPLICATIONS

Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
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Do you want to be the student that WOWS your teacher and friends with your work? This course will cover basic computer topics, such as being more efficient, staying organized in a Google world and Internet safety, but will also give an introduction to Microsoft Word, Excel, PowerPoint, and Access. Computer skills are used in almost 100% of careers. Join us and expand your skills while you have fun creating documents on the computer! This course is an Honors Course.

COMPUTER PROGRAMMING

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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.

INTRODUCTION TO BUSINESS

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Take a tour through the world of business! Discover what you're most interested in while you uncover talents you can apply in the business world. Touch base with general business topics such as careers, management, communication, marketing, law, human resources, personal finance, banking, accounting, entrepreneurship, and more. Join us and find your place in business!

INTRODUCTION TO MARKETING

Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
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Marketing is everywhere! If you're interested in business and looking for an exciting introduction to the world of marketing, check us out! Topics and activities include creating a marketing plan, advertisements, online posts, logos, slogans, sales promotions, and much more. Students also participate in a social media marketing simulation that looks at social media statistics in order to create and post social media ads that generate sales. No prior business knowledge is needed. Our field trip to the Mall of America puts our new marketing knowledge to use too! We'd love to have you join us! This course could give you college credit and is an Honors Course.

PERSONAL FINANCE

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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. This is a course EVERY student should take for the life skills you will learn.

START YOUR OWN BUSINESS (BizInnovator Program through University of Iowa)

Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
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Start Your Own Business is an entrepreneurship class geared toward business Startups. What business could you start? We will look at how businesses start and how successful businesses continue to succeed. Students learn first hand how startups begin by identifying problems, gathering data, and generating viable business solutions. You will be able to investigate your own business ideas too! Course units are designed by the University of Iowa and students are eligible for 3 credits from the U of Iowa. This is an Honors Course.

VIDEO PRODUCTION

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
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Have you ever watched a cool or inspiring video and wondered how it was made? This course 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 on Adobe Premiere Pro editing software, the course will teach you the basics of video production: framing, lighting, sound, editing, effects, etc.

ENGLISH

CREATIVE WRITING

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: Yes	Prerequisite: None
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This course is designed for students who are interested in gaining experience in creative writing. Students will explore different writing formats in poetry and fiction, 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
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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.

ENGLISH 9 (A & B)

Grade Level: 9	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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We will survey genres of literature including novels, short stories, and a play, as well as non-fiction pieces. We will also study writing structure/organization in order to convey ideas clearly in written assessments, presentations, and other more informal projects.

INTRODUCTION TO YEARBOOK

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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In this class, students help to complete the WHS yearbook. Students help finish the book's layouts, learn how to write photo captions, practice elements of graphic design, and learn basic photojournalism skills. All class members will contribute to the production of the yearbook, and on-time completion of assignments is a minimum expectation.

PRE-ADVANCED PLACEMENT ENGLISH 9 (A & B)

Grade Level: 9	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Should be in the top 25% of class
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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 a 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.

SPEECH

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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
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Do you love to read but just don't have the time? Teen Lit finds that lost time and allows you to read what you want to read. In this class, you'll find ways to access the most current lit and be a part of a community that loves reading as much as you do. Worried about your reading speed or the workload of taking another English class? Don't be. Reading speed doesn't matter, and the majority of class time is spent reading. Homework is practically non-existent. See Mrs. Peoples with any questions.

FAMILY & CONSUMER SCIENCE

*All FACS classes include a fee. Please see individual description for more information.

CULINARY FOODS 1: BASICS OF FOOD PREPARATION

Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: None
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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. *This class includes a \$25 fee.

CULINARY FOODS 2: BAKING AND PASTRIES

Grade Level: 9-12	Credits: 1	College Credit: Yes	Fine Arts Credit: No	Prerequisite: Culinary Foods 1
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Culinary Foods 2 is an extension of skills learned in Culinary Foods 1. The course focuses on the science of baking and pastry 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. *This class includes a \$25 fee

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 field trip opportunities. *This class includes a \$15 fee.

HEALTH AND SAFETY EDUCATION

HEALTH

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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.

SAFETY EDUCATION

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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

*Some Industrial Technology classes include a fee.
Please see individual description for more information.

ENTREPRENEURSHIP

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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: No	Fine Arts Credit: No	Prerequisite: None
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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 field 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
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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.
*This class includes a \$40 fee.

INTRODUCTION TO WOODS

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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.
*This class includes a \$50 fee.

SMALL ENGINES

Grade Level: 9-12	Credits: 1	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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.
*This class includes a \$20 fee.

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 skills in operating woodworking machines, use materials, and techniques in the construction of a quality wood cabinet. *This class includes a \$125 fee.

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 2 (A & B)

Grade Level: 9-12	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, absolute value functions, quadratic functions, polynomial functions, exponential functions, logarithmic functions, radical and rational functions, trigonometric functions, and transformations of functions.

CALCULUS (A & B)

Grade Level: 9-12	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.

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.

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, linear programming, exponent laws, polynomial arithmetic and factoring. Quadratic, exponential, radical and rational functions will also be studied.

PRECALCULUS

Grade Level: 9-12	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.

SKILLS FOR SUCCESS

Grade Level: 9

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Teacher Permission

The goal of this class is to offer math and academic support in areas of grade-level math, work completion, time-management, perseverance and organizational skills. Students will have an opportunity to work on their current math work and have background building mini-lessons. Students will learn essential skills for academic success in all areas, not only math. This class is open to Freshman and will be taken concurrently with Algebra 1A 1st trimester. This course counts as an elective credit, not towards the required 7 math credits.

STATISTICS

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Intermediate Algebra

This course includes the study of data classification, experimental design, descriptive statistics, basic probability rules and probability distributions.

TRIGONOMETRY

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: Algebra 2

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.

MUSIC

VARSITY BAND

Grade Level: 9

Credits: 1.5

College Credit: No

Fine Arts Credit: Yes

Prerequisite: None

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 rehearsal 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.

VARSITY CHOIR

Grade Level: 9

Credits: 1.5

College Credit: No

Fine Arts Credit: Yes

Prerequisite: None

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:

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

PHYSICAL EDUCATION

FOUNDATIONS OF FITNESS

Grade Level: 9-12

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Students will participate in activities that address their fitness needs and increase competencies for lifelong participation. 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.**

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 cardiovascular training through a variety of aerobic activities such as: step aerobics and box/kick aerobics. Other methods of non-traditional body toning exercises may include: Pilates, yoga, fitness balls, and resistance tubing.

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 fitness plan, design of an individualized weight training program, record keeping and participation, and attendance.

SCIENCE

PRINCIPLES OF CHEMISTRY

Grade Level: 9

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

Principles of Chemistry consists of one trimester of introductory chemistry. Students will learn about matter by studying its properties, structure, and change. One very important aspect is the atom and how it combines with other atoms to form the wide variety of materials in our world.

PRINCIPLES OF ENGINEERING

Grade Level: 9

Credits: 1

College Credit: Yes

Fine Arts Credit: No

Prerequisite: Principles of Physics

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

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.

SOCIAL STUDIES

AMERICAN CITIZENSHIP

Grade Level: 9

Credits: 1

College Credit: No

Fine Arts Credit: No

Prerequisite: None

This class will examine the following topics concerning our state and country: U.S. Constitution, citizenship, and civic responsibilities.

WORLD LANGUAGE

FRENCH 1 (A & B)

Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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Bienvenue! Welcome! This course invites you to expand your worldview by exploring a different culture and learning a new language. Our primary focus will be on comprehending spoken French. Language skills will be acquired mainly through storytelling and the development of reading strategies. Through active listening, students will begin to express their ideas and opinions through basic writing and speaking. Culture topics are ever changing and designed to introduce students to music, traditions and lifestyle of the francophone world.

FRENCH 2 (A & B)

Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: French 1
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Continuons! Let's keep going! This course continues building on the skills acquired in French 1. Our main focus continues to be on comprehending spoken French. Storytelling, class conversations and continued development of reading strategies will expand students' vocabulary and increase language acquisition. Students will make continued progress in expressing themselves through writing and speaking, with an emphasis on academic writing. Culture topics are ever changing and designed to introduce students to music, traditions and lifestyle of the francophone world.

SPANISH 1 (A & B)

Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: None
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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.

SPANISH 2 (A & B)

Grade Level: 9-12	Credits: 2	College Credit: No	Fine Arts Credit: No	Prerequisite: Spanish 1
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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.

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

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.