

# **Independent School District 518**

## **Student Registration Guide 2025 - 2026**



**WORTHINGTON HIGH SCHOOL**  
1211 Clary Street  
Worthington, MN  
(507) 376-6121

**WORTHINGTON LEARNING CENTER**  
825 North Crailsheim  
Worthington, MN  
(507) 372-1322



## Student Registration Guide 2025-2026

### High School Student Services Staff

**Tony Hastings, Principal**  
**Doug Brands, Assistant Principal**  
**Mikayla Hendrickson, Counselor**  
**Jesse Nitzschke, Counselor**  
**Destiny Ourada, Counselor**  
**Lakeyta Swinea, Counselor**  
**Gayla Aljets, Registrar**

### Learning Center Student Services Staff

**Spencer Wieneke, Principal**  
**Katie Pedersen, Dean of Students**  
**Jami Wahl, Counselor**  
**Rhina Resendez, Registrar**

Independent School District 518 uses a full range of educational services to respond to the individual learning needs of students. We are devoted to preparing students for college and career readiness by meeting the social, emotional, and academic needs of every individual learner. We believe in the importance of providing comprehensive and diverse educational opportunities for all students. Worthington High School offers an excellent variety of courses and programs including several Advanced Placement, college prep, vocational, technological, special education, English language, and arts electives to meet the post-secondary goals of all students. If WHS does not formally offer a course within the high school facility, counselors will work with students to explore other options to meet unique needs. These include:

**Minnesota Post-Secondary Enrollment Option (PSEO)**-Eligible juniors and seniors at Worthington High School may enroll at Minnesota post-secondary college on a full or part-time basis. Students may take classes for both secondary and post-secondary credit. Sophomore students may take only one Career and Technical Education Course. The purpose of the program is to promote rigorous educational pursuits and to provide a wider variety of options for students. Interested students should contact high school counselors for eligibility requirements. WHS works in partnership with Minnesota West to accommodate the students that qualify and desire participation in PSEO. PSEO law states that students should notify their district of their intent to enroll in PSEO courses during the following year by May 30.

**ISD 518 VIBE K-12 Online Learning Academy**-VIBE provides educational opportunities for all students to gain the knowledge and skills necessary to be productive global citizens and successful lifelong learners, while the K-12 Online Learning Academy capitalizes on collaboration that leads to student success in school and the world.

### **Daily Schedule**

Worthington High School operates on a 4-period “block” schedule. A few of our classes are half blocks or “skinnies” to provide for some specific needs in certain course offerings.

### **Credits and Course Length**

Each full block class earns half credit in a term (quarter). Traditional one credit, year-long courses, such as biology, algebra, or US history, are two terms (semester) in length. In other words, due to the extended class periods of the block schedule, a traditional yearlong class is completed in half of a school year. Students that earn credit in all their courses will earn 8 credits in a school year. Thirty total credits are required to graduate.

### **NCAA Requirements**

Students planning to participate in college sports at a Division I or Division II school need to register with the NCAA Eligibility Center and meet eligibility requirements. We recommend that students register online by the end of their junior year of high school. **PLEASE NOTENOT ALL WORTHINGTON HIGH SCHOOL**

**COURSES ARE APPROVED BY THE NCAA ELIGIBILITY CENTER.** See your counselor for details. Students are encouraged to go to [www.ncaa.org](http://www.ncaa.org) or call 877-262-1492 for more information.

### **Schedule Changes**

Students should make their best effort to accurately choose their classes during the registration process each year. Students looking to adjust schedules must do so prior to the start of each term by meeting with a counselor. Schedule changes may be possible only if the rationale fits the criteria listed below and the change is requested **prior to the beginning of each quarter**. Approval of a class change may occur if there is **space available in the class being requested AND one of the following reasons exists:**

- A prerequisite course was not taken or wasn't passed.
- The student is misplaced based on information that reveals a discrepancy between the course rigor, and the student's ability.
- The desired new course is a required class of the grade level of the student requesting the change.
- Physical, mental health or other medical concerns, verified by physician's note, support the change.
- Post-Secondary Enrollment Options Program require the adjustment.
- There is a schedule error.
- A significant change has occurred with the student's future dictate course adjustments.

Schedule changes will **NOT** be granted for the following reasons: changing teachers, changing class hours, requesting classes with friends, requesting specific lunch periods, dropping required courses, switching because of activities or because of convenience. **No** schedule changes will be allowed after the quarter or semester has started.

To make it clear for students, parents, and faculty regarding dropping of courses, awarding of credit and grades to be considered in GPA, the following policy will be used: A student may not drop a course once a term has started. The student must stay in the course until the end of the term/course, or he/she will be given a failing grade for the term. Incomplete grades will be issued only in extreme cases. All incomplete grades must be made up within two weeks of the end of the marking period. Grades not made up will automatically become failing marks at that time unless prior arrangements are made with the instructor and principal.

### **Terminology and Definitions**

- **A & B, 1 & 2:** A and B represent the first and second quarters of a semester one credit class that are taken in sequence - i.e., Biology A & B, Geometry A & B; this differs from courses signified by 1 & 2 which designate courses that represent different levels of a course – i.e., Spanish 1, Spanish 2, etc. However, course one is a prerequisite for taking course number two, etc.
- **AP (Advanced Placement) course:** AP classes are rigorous college level courses. Students may earn college credit based on their AP exam score. Colleges determine what level of credit AP scores earn at their respective institutions.
- **Elective course:** A course students can choose to take to fulfill total credit graduation requirements.
- **Honors course:** A more rigorous version of the standard course with a quicker pace and greater demand.
- **Prerequisite:** A course that students must pass before registering for a higher-level course.
- **PSEO (Post-Secondary Enrollment Option):** A Minnesota school choice opportunity that allows high school juniors or seniors to earn simultaneous credits in high school and a Minnesota college.
- **Required course:** A course that regular education students must pass to graduate from Worthington High School.
- **Term (Quarter):** A term is a quarter of the school year, (approximately 45 days, or 9 weeks).
- **Semester:** A semester is half of the school year or two terms, (approximately 18 weeks).
- **Concurrent Enrollment:** Courses taken at WHS and taught by a WHS teacher. Students earn high school credit, and college credit with Minnesota West Community and Technical College.

## ISD 518 GRADUATION ACADEMIC REQUIREMENTS

	<b>Class of 2026</b>	<b>Class of 2027</b>	<b>Class of 2028</b>	<b>Class of 2029</b>
<b>Arts</b> Music, Visual, Media, Theatre	<b>1 Credit</b>	<b>1 Credit</b>	<b>1 Credit</b>	<b>1 Credit</b>
<b>Communication Arts</b>	<b>4 Credits</b> 1 English 9 A&B <b>OR</b> 1 English 9 A&B-Honors 1 English 10 A&B <b>OR</b> 1 English 10 A&B-Honors 1 English 11 A&B <b>OR</b> 1 AP Literature A&B 1 Elective Credit	<b>4 Credits</b> 1 English 9 A&B <b>OR</b> 1 English 9 A&B-Honors 1 English 10 A&B <b>OR</b> 1 English 10 A&B-Honors 1 English 11 A&B <b>OR</b> 1 English 11 A&B-Honors 1 Elective Credit	<b>4 Credits</b> 1 English 9 A&B <b>OR</b> 1 English 9 A&B-Honors 1 English 10 A&B <b>OR</b> 1 English 10 A&B-Honors 1 English 11 A&B <b>OR</b> 1 English 11 A&B-Honors 1 Elective Credit	<b>4 Credits</b> 1 English 9 A&B <b>OR</b> 1 English 9 A&B-Honors 1 English 10 A&B <b>OR</b> 1 English 10 A&B-Honors 1 English 11 A&B <b>OR</b> 1 English 11 A&B-Honors 1 Elective Credit
<b>Mathematics</b>	<b>3 Credits</b> 1 Geometry A&B <b>OR</b> 1 Accelerated Geometry A&B 1 Algebra 2 A&B 1 Algebra 3 A&B	<b>3 Credits</b> 1 Geometry A&B <b>OR</b> 1 Accelerated Geometry A&B 1 Algebra 2 A&B 1 Algebra 3 A&B	<b>3 Credits</b> 1 Geometry A&B <b>OR</b> 1 Accelerated Geometry A&B 1 Algebra 2 A&B 1 Algebra 3 A&B	<b>3 Credits</b> 1 Geometry A&B <b>OR</b> 1 Accelerated Geometry A&B 1 Algebra 2 A&B 1 Algebra 3 A&B
<b>Science</b>	<b>3 Credits</b> .5 Earth and Space Science .5 Environmental Science 1 Biology A&B <b>OR</b> 1 MNWest Principles of Bio. I 1 Physics <b>OR</b> Chemistry A&B	<b>3 Credits</b> .5 Earth and Space Science .5 Environmental Science 1 Biology A&B <b>OR</b> 1 MNWest Principles of Bio. I 1 Physics <b>OR</b> Chemistry A&B	<b>3 Credits</b> .5 Earth and Space Science .5 Environmental Science 1 Biology A&B <b>OR</b> 1 MNWest Principles of Bio. I 1 Physics <b>OR</b> Chemistry A&B	<b>3 Credits</b> .5 Earth and Space Science .5 Environmental Science 1 Biology A&B <b>OR</b> 1 MNWest Principles of Bio. I 1 Physics <b>OR</b> Chemistry A&B
<b>Social Studies</b>	<b>3 Credits</b> .5 Geography <b>OR</b> 1 AP Human Geography A&B 1 World History A&B <b>OR</b> 1 AP World History A&B 1 US History A&B .5 Am Government	<b>3 Credits</b> .5 Geography <b>OR</b> 1 AP Human Geography A&B 1 World History A&B <b>OR</b> 1 AP World History A&B 1 US History A&B .5 Am Government	<b>3 Credits</b> .5 Geography <b>OR</b> 1 AP Human Geography A&B 1 World History A&B <b>OR</b> 1 AP World Hist: Modern A&B 1 US History A&B .5 Am Government	<b>3 Credits</b> .5 Geography <b>OR</b> 1 AP Human Geography A&B 1 World History A&B <b>OR</b> 1 AP World Hist: Modern A&B 1 US History A&B .5 Am Government
<b>Economics</b>	<b>.5 Credits</b> .5 Economics <b>OR</b> .5 Ag Economics <b>OR</b> .5 Business Economics	<b>.5 Credits</b> .5 Economics <b>OR</b> .5 Ag Economics <b>OR</b> .5 Business Economics	<b>.5 Credits</b> .5 Economics <b>OR</b> .5 Ag Economics <b>OR</b> .5 Business Economics	<b>.5 Credits</b> .5 Economics <b>OR</b> .5 Ag Economics <b>OR</b> .5 Business Economics
<b>Personal Finance</b>			<b>.5 Credit</b> .5 Personal Finance .5 Independent Living	<b>.5 Credit</b> .5 Personal Finance .5 Independent Living
<b>Post-Secondary Planning</b>	<b>.5 Credit</b> .5 Freshman Seminar Careers	<b>.5 Credit</b> .5 Freshman Seminar Careers	<b>.5 Credit</b> .5 Freshman Seminar Careers	<b>.5 Credit</b> .5 Freshman Seminar Careers
<b>Business</b>	<b>.5 Credit</b> .5 Intro Computer Applications	<b>.5 Credit</b> .5 Intro Computer Applications	<b>.5 Credit</b> .5 Intro Computer Applications	<b>.5 Credit</b> .5 Intro Computer Applications
<b>Phy Ed / Health</b>	<b>2 Credits</b> .5 Freshman Seminar-Health .5 Health 10 1.0 Phy Ed	<b>2 Credits</b> .5 Freshman Seminar-Health .5 Health 10 1.0 Phy Ed	<b>2 Credits</b> .5 Freshman Seminar-Health .5 Health 10 1.0 Phy Ed	<b>2 Credits</b> .5 Freshman Seminar-Health .5 Health 10 1.0 Phy Ed
<b>Total Credits</b>	<b>17.5 Required Credits</b> <b>12.5 Elective Credits</b> <b>30 Credits for Graduation</b>	<b>17.5 Required Credits</b> <b>12.5 Elective Credits</b> <b>30 Credits for Graduation</b>	<b>18 Required Credits</b> <b>12.0 Elective Credits</b> <b>30 Credits for Graduation</b>	<b>18 Required Credits</b> <b>12.0 Elective Credits</b> <b>30 Credits for Graduation</b>
<b>State Tests</b>	MCA-II Math (11) MCA-II Reading (10)	MCA-II Math (11) MCA-II Reading (10)	MCA-II Math (11) MCA-II Reading (10)	MCA-II Math (11) MCA-II Reading (10)

### Standardized Grading Scale

WHS uses the following standardized grading scale:

94-100 = A	84-86 = B	74-76 = C	64-66 = D
90-93 = A-	80-83 = B-	70-73 = C-	60-63 = D-
87-89 = B+	77-79 = C+	67-69 = D+	0-59 = F

## ADDENDUM TO GRADUATION REQUIREMENTS

### ARTS

#### 1 Arts Credit Required

Completing a combination of the following courses will fulfill 1 Arts credit requirement:

- Advanced Graphic Design
- Art (1 or 2)
- Ceramics (Advanced)
- Choir (Varsity or Concert)
- Class Guitar
- Digital Photography (Intro or Advanced)
- Drawing
- Floral Design
- Fundamentals of Music
- History of Rock
- Intro to Floriculture
- Intro to Graphics
- Landscape Design
- Orchestra (Varsity or WHS)
- Painting
- Stained Glass (Intro or Advanced)
- Studio Arts (Advanced)
- Theater
- Trojan Choir
- Trojan Concert/Marching Band

### COMMUNICATION ARTS

#### 1 English Elective Credit Required

Completing two of the following courses will fulfill 1 Communication Arts elective credit requirement:

- Asian American Literature
- British Literature
- Creative Writing
- Debate
- Dystopian Literature
- Film Studies
- Graphic Novels
- Hispanic American Literature
- Introduction to Public Speaking
- Modern Media
- Mythology
- Sports Literature
- Theater
- Trojan News
- Young Adult Literature

### ECONOMICS

#### .5 Economics Required Credit

Completing one of the following courses will fulfill .5 Economics credit requirement:

- Ag Economics (Ag Department)
- Business Economics (Business Department)
- Economics (Social Studies Department)

### PERSONAL FINANCE

#### .5 Personal Finance Required Credit

Completing one of the following courses will fulfill .5 Personal Finance credit requirement:

- Independent Living (FACS Department)
- Personal Finance (Business Department)

### PHYSICAL ED

#### 1.0 Physical Education Required Credit

Completing one of the following courses will fulfill .5 Physical Education elective credit requirement:

- Competitive Team Sports
- Healthy You I
- Healthy You II
- Healthy You III
- Total Fitness I
- Total Fitness II
- Total Fitness III
- Total Fitness IV
- Total Fitness V
- Total Fitness VI

## AGRICULTURE

COURSE #	CLASS	GRADE	CREDIT
1029 / 1030	Ag Exploration 9 A&B	9	2 terms, 1 cr.
1026	Companion Animals	9,10,11,12	1 term, .5 cr.
1035	Intro to Floriculture	9,10,11,12	1 term, .5 cr.
1006	Metals, Manufacturing & Welding	9,10,11,12	1 term, .5 cr.
1028	Natural Resource Science	9,10,11,12	1 term, .5 cr.
1033	Woods, Water & Wildlife	9,10,11,12	1 term, .5 cr.
1000 / 1001	Ag Science 10 A&B	10	2 terms, 1 cr.
1007	Farm to Table	10, 11, 12	1 term, .5 cr.
1037	Floral Design	10, 11, 12	1 term, .5 cr.
1039	Gardening	10, 11, 12	1 term, .5 cr.
1034	Home Survival	10, 11, 12	1 term, .5 cr.
1008	Power Technology	10, 11, 12	1 term, .5 cr.
1004	Advanced Metals	11, 12	1 term, .5 cr.
1015	Ag Economics	11, 12	1 term, .5 cr.
1002 / 1003	Ag Production 11 A&B	11	2 terms, 1 cr.
1014	Landscape & Design	11, 12	1 term, .5 cr.
1009	Large Animal Science	11, 12	1 term, .5 cr.
1010	MN West Intro to Animal Science	11, 12	1 term, .75 cr.
1011	MN West Intro to Horticulture	11, 12	1 term, .75 cr.
1012	MN West Principles of Agronomy	11, 12	1 term, .75 cr.
1021 / 1023	Ag Business 12 A&B	12	2 terms, 1 cr.
1016 / 1017 1018 / 1019	PACT A, B, C, D	12	1 to 4 terms, .5 cr. each term

### AG EXPLORATION 9 A&B

**Two Terms    Grade 9                      Elective**

This class will help prepare you for successful careers and a lifetime of informed choices in agriculture, food, and natural resources systems. Students will build a foundation in animal science, food science, plant science, leadership development, and shop fundamentals. Most topics will include hands-on activities and field trips. This class will allow you to further your knowledge of how agriculture affects your daily life and explore rewarding opportunities in agriculture available for everyone!

### COMPANION ANIMALS

**One Term    Grades 9, 10, 11, 12    Elective**

This class will cover the different breeds of companion animals and fish. It will integrate the following concepts: pet selection, animal nutrition, body conformation, animal welfare/rights, training, and management of home pets. Other topics will include nutrition, reproduction, and diseases. This course was designed for the person who thinks a “best friend” can be a pet.

### INTRODUCTION TO FLORICULTURE

**One Term    Grades 9, 10, 11, 12    Elective**

Challenge yourself with flowers. Explore and understand the dynamics of flower production, propagation, and bonsai. Learn how to design and create floral displays showcased throughout the school, boutonnieres, corsages and cut flower arrangements. Students will learn how to tie bows, choose flowers for arrangements, create a flower book resource, work with wire, design and plant an annual container garden and at the same time prepare for the real world of work. This course will fulfill .5 credit of the required Arts credit.

## **METALS, MANUFACTURING & WELDING**

**One Term      Grades 9, 10, 11, 12      Elective**

In this class students will study the principles of metal, and the processes used to fabricate them into consumer products and industrial uses. Students will learn about cost calculations used in manufacturing products. Participants will learn welding techniques used in manufacturing. This class will explore many hands-on activities with individual projects, exploring the welding techniques of aluminum, gas, wire feed, and stick arc welding. These activities will include the uses of electric welding devices and gases such as acetylene, argon, oxygen, and carbon dioxide. Applications to current issues and careers will also be presented.

## **NATURAL RESOURCE SCIENCE**

**\*Offered every other year, next offered 2025-2026**

**One Term      Grades 9, 10, 11, 12      Elective**

Develop an understanding and appreciation for Earth's resources. Natural Resource Science is an applied course for students interested in learning more about becoming good stewards of our environment and natural resources. This course investigates renewable and nonrenewable natural resources and their management, human demands, and the role of public education in managing our resources. Other topics discussed include climate change, overpopulation, and pollution. Students should take this course if they are interested in careers related to renewable energy, conservation, forestry, environmental sciences, or wildlife. This course will run every other year, opposite Advanced Wildlife & the Environment.

## **WOODS, WATER & WILDLIFE**

**One Term      Grades 9, 10, 11, 12      Elective**

Strengthen your knowledge and interest in wildlife and the outdoors. In this class you will explore and learn about mammals, fish, birds, and insects found throughout Minnesota. Activities will include identification, habitat, and conservation practices, along with field trips to reinforce classroom knowledge. This course includes the study of forestry, along with national parks.

## **ADVANCED WILDLIFE & THE ENVIRONMENT**

**\*Offered every other year, next offered 2026-2027**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Woods, Water, and Wildlife.**

Prepare yourself for college as most require a course in this area. Students will gain a deeper understanding of conservation and management of wildlife throughout the United States. Students will explore the importance of wildlife and outdoor recreation with an emphasis on the use of wildlife and their role in the environment. Current environmental issues, their concerns, and impact on wildlife will also be studied. Topics include game laws, climate change, ecological succession, biodiversity, deforestation, pollution, and urban sprawl. This course will run every other year, opposite Natural Resource Science. **A student interested in taking Advanced Wildlife & the Environment must receive prior permission from the teacher.**

## **AG SCIENCE 10 A&B**

**Two Terms      Grade 10      Elective**

This class is designed to broaden your understanding of agriculture in the areas of beef production, building construction, meat science, plant sciences, and soil sciences. A variety of application activities and field trips will provide a well-rounded learning experience. You will further develop and expand career experiences and build leadership skills. No prerequisite needed to take this course.

## **FARM TO TABLE**

**One Term      Grades 10, 11, 12      Elective**

Food labeling, buzz words, and Netflix Documentaries have all contributed to misunderstandings and misconceptions when it comes to agriculture and food. In this class, we will look at where our food comes from and how it gets to the grocery store. Hot topics in agriculture will be studied and examined including Genetically Modified Organisms, organic farming, and plant-based meat. We will visit area farms and businesses that produce, market, and sell the food we eat. While learning to be educated consumers at the grocery store, we will tell the story of agriculture through various marketing avenues. Students will create a website, video, news article, and Blog to document the vast agricultural industry and teach others about where their food comes from.

## **FLORAL DESIGN**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Intro to Floriculture**

Expand your floral experience. Perfect both the pinned and wrist corsage methods using different wiring and gluing techniques. Learn how to design free-standing, three-sided, hand-tie, and vase designs to really dress up a room. Students will be exposed to and be able to identify a variety of fresh flowers, foliage, and create their own paper and candy bouquets. Pricing, plant knowledge and sales will be covered as well.

**This course will fulfill .5 credit of the required Arts credit.**

## **GARDENING**

**One Term      Grades 10, 11, 12      Elective**

Explore, grow, and work with plants we use! From fruits and vegetables to flowers, herbs and hydroponics, this class does it all! We will learn how to grow, propagate, and harvest different plants. Students will design and create their own garden, hydroponic system, and a variety of container gardens. Weekly activities include field trips, creating a garden, or arrangement, and tasting fruits, flowers, vegetables, and herbs. No prerequisites required.

## **HOME SURVIVAL**

**One Term      Grades 10, 11, 12      Elective**

Prepare yourself for renting or owning a home in the future by taking Home Survival! Students will learn a variety of topics including steps to buying a home, home construction and framing, electrical wiring, how to drywall, paint, and wallpaper along with many other home repair tips and tricks. Classroom learning will be reinforced with hands on lab projects that include framing a wall, hanging drywall, completing electrical work, painting, wallpapering, and more!

## **POWER TECHNOLOGY**

**One Term      Grades 10, 11, 12      Elective**

Gain knowledge and familiarity with small engines by enrolling in this course. Power Technology focuses on content that applies to small and large engines. Specific topics include basic introduction to engines, two-stroke and four-stroke engine operation, engine components, trouble shooting and repair, tools and measurement, and other related systems. Laboratory activities will provide opportunities for problem solving through practical applications to learn scientific concepts. Students will disassemble, inspect, and assemble four stroke engines. Individual work projects may also be completed in class.

## **ADVANCED METALS**

**One Term      Grades 11, 12      Elective**

**Prerequisite: Metals, Manufacturing & Welding**

In this class students will be responsible for designing and fabricating structures according to blueprint design. The learner will learn about cost calculations used in manufacturing products. They will demonstrate welding techniques used in manufacturing and learn the necessary marketing skills to deliver the product in a cost-effective way. Students will design and create and fund a project for individual use.



## **AG ECONOMICS**

**One Term      Grades 11, 12              Elective**

This course will study the fundamental concepts of economics in everyday life. Students will compare the aspects of local, state, and national production, distribution, and consumption of goods and services; demonstrate an understanding of supply and demand; analyze how an economy affects people, budgets, businesses, government, and the environment; and study the relevant issue(s) related to economics. **This course will fulfill the .5 required credit for Economics.**

## **AG PRODUCTION 11 A&B**

**Two Terms      Grade 11                      Elective**

Expand your agricultural horizons in the classroom, shop, and outdoors exploring a variety of careers and topics related to production agriculture. This class will give you the opportunity to develop your skills in land surveying, crop production, swine and poultry production, business record keeping, application, and sales. No prerequisite needed.

## **LANDSCAPE & DESIGN**

**One Term      Grades 11, 12              Elective**

This course was designed to provide students with a background in landscaping and explore the tasks of computerized landscape designing. It covers all the woody shrubs and trees used in today's landscapes. Students will experience the **hands-on** activities of developing those principles used to design and put in a home landscape with the proper shrubs, trees and/or plant materials. No pre-requisites are necessary. **This course will fulfill .5 credit of the required Arts credit.**

## **LARGE ANIMAL SCIENCE**

**One Term      Grades 11, 12              Elective**

This course will be an introduction to large animal science with emphasis on fundamental concepts of physiology, nutrition, animal breeding and management as they apply to production systems of beef, dairy, horse, poultry, and swine. There will be speakers, practical labs, and field trips weekly. This is a great course for pre-vet students, students pursuing a career in agriculture, or anyone interested in production animals.

## **MN WEST INTRO TO ANIMAL SCIENCE**

**One Term      Grades 11, 12              Elective**

**Concurrent College Credit Course with MN West (3 college credits). This is a Career and Technical course; credits may transfer to institutions other than MN West.**

Introduction to Animal Science provides students with an emphasis on the fundamental concepts of physiology, nutrition, animal breeding and management as applied to beef cattle, dairy cattle, poultry, sheep, and swine production.

## **MN WEST INTRO TO HORTICULTURE**

**One Term      Grades 11, 12              Elective**

**Concurrent College Credit Course with MN West (3 college credits). This is a Career and Technical course; credits may transfer to institutions other than MN West.**

Emphasizes the growth process in production of fruits, vegetables, flowers, lawns, trees, and shrubs. Fundamental concepts in plant identification, growth, culture, landscape, and design are studied and supplemented with weekly lab experiences. This class is a combination of floriculture, gardening, and Landscape & Design learning different things in the classroom, with several field trips and lots of hands-on experiences.

## **MN WEST PRINCIPLES OF AGRONOMY**

**One Term      Grades 11, 12              Elective**

**Concurrent College Credit Course with MN West (3 college credits). This is a Career and Technical course; credits may transfer to institutions other than MN West.**

Principles of Agronomy explores the principles and practices of plant and related sciences as applied to increasing productivity and improvement of field crops. Emphasis is on crop selection and improvement through the breeding of crop varieties, seeds and seedlings, crop growth and development, crop production hazards, and the harvest and storage of field crops.

**AG BUSINESS 12 A&B**

**Two Terms    Grade 12                      Elective**

**Prerequisite: Ag 10, Ag 11 or Instructor Approved**

You will prepare for life after high school through application activities involving personal financing, resume building, and job interviewing. The first half of this course covers the principles of managing a farm or business and developing career goals. Topics include current issues in agriculture, designing a business plan, credit management, taxes, record keeping and insurance. There may be an option to take this course on-line due to other course scheduling concerns. Please consult with the Ag department with any questions. Shop work and a community service project will be explored in the last quarter.

**P.A.C.T. A, B, C, D**

**One-Four Terms    Grade 12 only            Elective**

**Prerequisite: Ag 11 and Ag 12**

This class was developed to bridge the gap from school to the workplace. We will assist in placing our students in a training program of interest that correlates with agriculture career choices. **Students must have written approval by the senior high agriculture instructors. NOTE: Students who sign up for PACT cannot take Office Assistant or SVS in the same term.**

**ART**

<b>COURSE #</b>	<b>CLASS</b>	<b>GRADE</b>	<b>CREDIT</b>
1078	Art 1	9,10,11,12	1 term, .5 cr.
1079	Art 2	9,10, 11,12	1 term, .5 cr.
1051	Ceramics	10, 11, 12	1 term, .5 cr.
1062	Drawing	10, 11, 12	1 term, .5 cr.
1064	Intro to Digital Photography	10, 11, 12	1 term, .5 cr.
1054	Intro to Graphics	10, 11, 12	1 term, .5 cr.
1049	Intro to Stained Glass	10, 11, 12	1 term, .5 cr.
1052	Painting	10, 11, 12	1 term, .5 cr.
1046	Advanced Ceramics	11, 12	1 term, .5 cr.
1065	Advanced Digital Photography	11, 12	1 term, .5 cr.
1060	Advanced Graphic Design	11, 12	1 term, .5 cr.
1050	Advanced Stained Glass	11, 12	1 term, .5 cr.
1053	Advanced Studio Arts	11, 12	1 term, .5 cr.

**NOTE:** Students must have **completed Art 1** before taking any other Art courses and cannot be taken simultaneously with another art class in any given term.

**ART 1**

**One Term    Grades 9, 10, 11, 12    Elective**

**This course is a prerequisite for all other art courses and must be taken before any others.**

This beginning course is designed to give a foundation in the creation of art, art history, aesthetics, elements, and principles of art, and studio habits of mind. Students will explore basic 2-D art media and techniques, such as drawing, painting, and mixed media. Students will develop an ability to talk about their work and the work of others in classroom critiques. Art 1 is a valuable introduction and prerequisite to all other art courses offered at Worthington High School.

## **ART 2**

**One Term      Grades 9, 10, 11, 12      Elective**

**Prerequisite: Art 1**

This course places an emphasis on the elements of art and the principles of design through the creation of three-dimensional artwork using materials that may include wire/paper-mâché, wax, foam, and clay. Students will be introduced to various artists, art styles, and selected artworks as they relate to sculptures of the past and present. Students will also have the chance to learn processes and techniques in printmaking and mixed media. Students will develop an ability to talk about their work and the work of others in classroom critiques. Students will develop their own artistic voice through their artistic creations.

## **CERAMICS**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Art 1**

This introductory clay class will explore the various methods of hand-built pottery. These methods will include slab, pinch, and coil techniques. Students will create clay projects after exploring methods and ideas of earlier civilizations. They will finish their pottery with decorative glaze techniques.

## **DRAWING**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Art 1**

Through this course students will keep a sketchbook and create projects of original drawings, using a wide variety of tools and techniques. They will explore realistic, formal, and expressive imagery making. Students will understand the importance of drawing from observation and their imagination. Subject matter explored may include Still Life, Surrealism, Portraiture, and Linear Perspective. Drawing class is a great foundation for all other Art Courses.

## **INTRO TO DIGITAL PHOTOGRAPHY**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Art 1**

**A personal camera is recommended so students can master their own camera functions. Dept. cameras are available for checkout, for students who don't have personal cameras.**

This beginning level course will teach students how to use a digital camera to take better photographs. Students will learn the importance of composition as they explore the world through the lens of a camera. Different photo themes will be explored: portraits, landscapes, architecture, pets, and close ups. With each assignment, you will gain more control over the bells and whistles on your camera. You will learn how to digitally enhance your photographs using Adobe Photoshop.

## **INTRO TO GRAPHICS**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Art 1, Digital Photography recommended.**

This course is a great introduction to the field of Graphic Design. Students get to experience real life work by becoming proficient in the use of Adobe Photoshop and Illustrator software, the leading design program that the professionals use! Get a feel for what it is like in the demanding field of graphic design. You will be creating logos, commercial illustrations, posters to advertise school events, digital illustrations, and many other fun design projects.

## **INTRO TO STAINED GLASS**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Art 1**

**Note: This class requires a \$20 lab fee.**

This course will offer students an opportunity to learn the copper foil method of traditional stained glass along with other techniques such as creating a mosaic and fusing glass. Students will create projects using these techniques.

## **PAINTING**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Art 1**

This course is designed for the beginning artist to develop skills in painting techniques and media. Color theory is studied along with the understanding and creation of form/content on two-dimensional surfaces. The student will produce paintings in categories such as landscape, realism, non-objective, and abstract art. Students will explore the art styles and techniques of master artists.

## **ADVANCED CERAMICS**

**One Term      Grades 11, 12      Elective**

**Prerequisite: Art 1 & Ceramics**

In this course students will continue building on the foundational hand building techniques learned in Ceramics. The main focus of this course will be learning how to throw functional pieces on the pottery wheel. Outside of wheel work, students will expand their creative horizons by designing and constructing a series of hand built ceramic projects. With an emphasis on craftsmanship and artistic growth, Advanced Ceramics is ideal for students ready to elevate their technical skills and explore more complex forms and designs.

## **ADVANCED GRAPHIC DESIGN**

**One Term      Grades 11, 12      Elective**

**Prerequisite: Art 1, Intro to Graphics (Student must receive a B or higher in Intro to Graphics.)**

In this course students will continue working with Adobe Photoshop, and Illustrator software by completing more advanced design projects as well as commercial art images. The student will create design projects that include product branding and development using 3-dimensional design, promotional flyers, business cards, CD covers, animations, and original images for entry in various Art Competitions. New skills in this class will involve the use of a digital camera to create artistic graphic images and explore new printing processes to create images as fine art. Students will also learn how to use their personal voice, through multi-media presentations.

## **ADVANCED DIGITAL PHOTOGRAPHY**

**One Term      Grades 11, 12      Elective**

**Prerequisite: Art 1, Intro to Digital Photography (Student must receive a B or higher in Intro to Digital Photography.)**

This course will allow students to learn how to use a DSLR Camera to advance their photography skills, while they continue to explore the picture taking process. Students will be studying advanced photographic techniques, such as using the creative modes available for the best photo effects. Students will also continue to build skills through enhancing photographs using Adobe Photoshop by applying filters for creative effects through the newest innovative printing processes and techniques. More advanced digital photography projects will be explored through the newest innovative printing processes and techniques.

## **ADVANCED STAINED GLASS**

**One Term      Grades 11, 12      Elective**

**Prerequisite: Art 1, Intro to Stained Glass (Student must receive a B or higher in Intro to Stained Glass.)**

**Note: This class requires a \$20 lab fee.**

Students continue to work in the copper foil method at an advanced level, creating their own patterns and 3 dimensional pieces. Students will continue to explore glass fusing, slumping techniques and create small pieces that use these methods.

## ADVANCED STUDIO ARTS

**One or Two Terms    Grades 11, 12    Elective**

**Prerequisite:** Students taking this course must have completed Art 1 along with 3 other studio art courses such as: Art 2, Drawing, Painting, Ceramics, and/or Stained Glass. Each student must have earned a B+ or higher in the visual art classes taken prior to Advanced Studio Art to be considered as a candidate.

This Advanced Studio Art course provides students with an opportunity to explore individual preferences in great depth. Students will work individually with the instructor to develop a thematic body of work. Students will prepare a portfolio consisting of a minimum of 5 works of art and a supporting artist statement. A gallery quality presentation will be the culmination of this course. Students will compete in art contests and be assisted with college application and the portfolio review process.

## BUSINESS

<b>COURSE #</b>	<b>CLASS</b>	<b>GRADE</b>	<b>CREDIT</b>
2037	Business Math	9, 10, 11, 12	1 term, .5 cr.
2051	Business / Sports Management	9, 10, 11, 12	1 term, .5 cr.
2004	Intro to Computer Applications	9, 10, 11, 12	1 term, .5 cr.
2000	Trojan Textiles	9, 10, 11, 12	1 term, .5 cr.
2035	Video Game Design	9, 10, 11, 12	1 term, .5 cr.
2036	Video Production	9, 10, 11, 12	1 term, .5 cr.
2055	Website Design	9, 10, 11, 12	1 term, .5 cr.
2016 / 2017	Accounting 1 A&B	10, 11, 12	2 terms, 1 cr.
2008	Advanced Computer Applications	10, 11, 12	1 term, .5 cr.
2061	CISCO 1	10, 11, 12	1 term, .5 cr.
2040	Personal Finance	10, 11, 12	1 term, .5 cr.
2034	Sales & Marketing	10, 11, 12	1 term, .5 cr.
2642	Yearbook A	10, 11, 12	1 term, .5 cr.
2646	Yearbook B	10, 11, 12	1 term, .5 cr.
2013	Advanced Trojan Textiles	11, 12	1 term, .5 cr.
2018 / 2019	Accounting 2 A&B	11, 12	2 terms, 1 cr.
2023	Business Economics	11, 12	1 term, .5 cr.
2062	CISCO 2	11, 12	1 term, .5 cr.
2647	Yearbook C	11, 12	1 term, .5 cr.
2648	Yearbook D	11, 12	1 term, .5 cr.
2026	Business Internship A, B, C, D	12	1-4 terms, .5 cr. ea.

## BUSINESS MATH

**One Term    Grades 9, 10, 11, 12    Elective**

In this course, students will build mathematical and analytical reasoning skills applied to contexts of personal financial management, employment, and business ownership/operations. Students will learn and demonstrate how mathematical concepts of measurement, statistics, ratio, proportion, and formulas can be applied in business contexts. Applications of business math for problem solving and decision making will include banking, investing, insurance, credit, loans, taxes, entrepreneurship, business payables and receivables, and financial statements. This course may include participation in a Business Professionals of America (BPA) student organization.

## **BUSINESS/SPORTS MANAGEMENT**

**One Term      Grades 9, 10, 11, 12      Elective**

Students will explore the world of business through topics that include finance, management, ethics, legal forms of business and operations as well as marketing. Students will be able to demonstrate an understanding of contemporary concepts and basic principles of effective business practices. Through an introduction to business foundations in our free-market system students will develop a comprehensive view of business trends, the role of government, society, and our global economy that all contribute to successful business operations. Current industry issues will provide insights for case studies and entrepreneurial analytics. Students will gain insights on consumer buying decisions, human resources, and financial management. Career pathway preparation includes: Retail Manager and Department Manager. This course may include participation in a Business Professionals of America (BPA) student organization.

## **INTRODUCTION TO COMPUTER APPLICATIONS**

**One Term      Grade 9, 10, 11, 12      Required**

**Prerequisite: Previous Computer Experience w/20 WAM**

This course provides students the computer skills that they will use throughout their lifetime, both personally and on the job. The course will focus on developing skills in word processing, spreadsheet, and presentation software applications. This course will help students prepare for the Microsoft Office Specialist exams in Word, Excel, and PowerPoint. Students will develop production pieces such as emails, memos, MLA reports, flyers, business cards, labels and business letters. Students will create worksheets with formulas and functions, and graphical charts. Students will learn to develop presentations with charts, graphics and special effects, and become familiar with the ethics of copyright, downloading, and file sharing. This course may include participation in a Business Professionals of America (BPA) student organization.

## **TROJAN TEXTILES**

**One Term      Grades 9, 10, 11, 12      Elective**

Students develop an entrepreneurial mindset, capable of critical thinking and problem solving in a fast-paced professional environment. Students develop core knowledge and skills needed for starting their own business venture or non-profit organization. Students will investigate the impact entrepreneurs have on the economy while exploring diverse pathways to entrepreneurship. They will engage in the discovery process to generate and validate new business ideas and develop a plan to market their business. Class examines entrepreneurial theory as well as real world situations.

## **VIDEO GAME DESIGN**

**One Term      Grades 9, 10, 11, 12      Elective**

**Prerequisite: Intro to Computer Applications**

Designed to introduce students to the elements, structure, and design of computer games and simulations. The course will prepare students to design and edit computer games/simulations by studying game methodology, programming, game genres, game theory, and 2D and/or 3D interactive experiences. Students will also explore business and technology career fields related to digital game design and development. Career pathway preparation includes: Video Game Designer, Character Designer, and Special Effects Artist. This course may include participation in a Business Professionals of America (BPA) student organization.

## **VIDEO PRODUCTION**

**One Term      Grades 9, 10, 11, 12      Elective**

**Prerequisite: Intro to Computer Applications**

Students in this course develop the knowledge and skills to create, design, and produce visual communication media products in the current age. The key student outcome is developing the ability to present information through multimedia and video materials for effective business messaging. Topics include a radio commercial, news broadcast, multiple twitter/social media post content, text animations, and video creations for business content. This course may include participation in a Business Professionals of America (BPA) student organization.

## **WEBSITE DESIGN**

**One Term    Grades 9, 10, 11, 12    Elective**

**Prerequisite: Intro to Computer Applications**

This course will introduce students to web page design. In this hands-on, project-oriented course, students will explore web site development using HTML5 and CSS3. Students will design and create multiple page Web sites with text, graphics, multimedia elements, and interactivity. This course covers the use of HTML5 (Hypertext Markup Language version 5), CSS3 (Cascading Style Sheets version 3), the optimization of graphics, and the application of multimedia elements to produce interactive web sites. Students will create web sites to communicate a client's message through the application of the principles and elements of design. This course may include participation in a Business Professionals of America (BPA) student organization.

## **CISCO 1**

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Intro to Computer Applications**

This course introduces the fundamentals of computers and networks. Students will learn how hardware and software work, how hardware and system elements work together, and how to troubleshoot hardware and software issues. Topics include: mobile devices, Linux, MacOS, virtualization and cloud computing, Microsoft Windows operating systems, networking, and troubleshooting. Students will research computer science career pathways in demand to meet future workforce needs. This course may include participation in a Business Professionals of America (BPA) student organization.

## **PERSONAL FINANCE (FORMERLY KIDS, CASH, AND CREDIT)**

**One Term    Grades 10, 11, 12    Required**

**This course will fulfill the .5 required credit for Personal Finance.**

**Students who have successfully completed Kids, Cash, and Credit meet the Personal Finance required credit.**

In this course, students develop financial literacy knowledge and skills to prepare them for life after high school. Topics will include establishing a budget, earning a living, saving and investment options (stocks, bonds, real estate, etc.), selecting and using credit options, financial problem solving and decision making, banking organization services options, and managing risk through insurance. Stock market simulations and financial management simulations may be used. "Personal finance education equips and empowers all Minnesota students to make informed decisions in an evolving world with an intentional focus on each student's individual experiences, cultures, values, and goals" (MDE Personal Finance Statewide Guidance). This course may include participation in a Business Professionals of America (BPA) student organization.

## **ACCOUNTING 1 A & B**

**Two Terms    Grades 10, 11, 12    Elective**

This course introduces the fundamental accounting principles and procedures used in businesses. Content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. This course may include participation in a Business Professionals of America (BPA) student organization.

## **ADVANCED COMPUTER APPLICATIONS**

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Introduction to Computer Application**

This course will focus on developing advanced student skills in word processing, spreadsheet, and presentation applications. This course will help students prepare for Microsoft Office Specialist exams in Word, Excel, and PowerPoint. Students will develop professional documents such as reports, multi-column newsletters, resumes, and business correspondence. Students will create workbook examples including professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Students will learn to develop professional-grade sales presentations, employee training, instructional materials, and kiosk slide shows. Students will learn database objects including tables, relationships, data entry forms, multi-level reports, and multi-table queries. This course may include participation in a Business Professionals of America (BPA) student organization.

## **SALES & MARKETING**

**One Term    Grades 10, 11, 12    Elective**

This course explores careers in marketing, sales, or small business operation, including opportunities in retail, wholesale, advertising, and other occupational fields using marketing principles. The central focus of the course is how the flow of goods and services from the producer to the consumer is impacted by marketing functions. Topics may include market research, the purchasing process, distribution systems, merchandising and promotion/display, salesmanship, sales promotions, store security and theft control, store operation, business management, and entrepreneurship. This course may include participation in a Business Professionals of America (BPA) student organization.

## **YEARBOOK A**

**One Term    Grades 10, 11, 12    Elective**

**Can sign up for 1 term but suggested to take A and B together.**

This course develops the knowledge and skills involved in the planning and production of the school yearbook. Students gain experience in product design, layout, and production requirements. Students will learn to develop page layouts incorporating graphics, various fonts and word styles, text, clipart, and photographs. They will also become skilled in the use of digital media including the basics of photography, camera usage, and compositional skills. Students will learn the skills necessary for producing a quality publication, while meeting strict deadlines. These skills include organization, project management, teamwork and leadership.

## **YEARBOOK B**

**One Term    Grades 10, 11, 12    Elective**

This course develops the knowledge and skills involved in the planning and production of the school yearbook. Students gain experience in product design, layout, and production requirements. Students will learn to develop page layouts incorporating graphics, various fonts and word styles, text, clipart, and photographs. They will also become skilled in the use of digital media including the basics of photography, camera usage, and compositional skills. Students will learn the skills necessary for producing a quality publication, while meeting strict deadlines. These skills include organization, project management, teamwork and leadership.

## **ACCOUNTING 2 A&B**

**Two Terms    Grades 11, 12    Elective**

**Prerequisite: Accounting 1**

In this continuation of Accounting 1, students will gain experience dealing with specialized accounting applications: special journals, petty cash system, taxes, depreciation, managerial decisions, and interest. Corporate accounting will be introduced. Computerized accounting is used to provide practical experience in handling retail business records. **A student interested in taking Accounting 2 A&B must receive prior permission from the teacher.**

## **ADVANCED TROJAN TEXTILES**

**One Term    Grades 11, 12    Elective**

**Prerequisite: Trojan Textiles**

Expands on the innovation skills and entrepreneurial mindset developed in the Entrepreneurship 1 course. While engaging in business planning, students will research, design, and launch (or plan for) a new business venture. Through competitive analysis, product development, operations planning, financial analysis, and marketing strategy, students will gain the skills necessary to prepare for a successful business. This course may include operation of an actual school-based business enterprise, startup business, or simulated business operation.



## **BUSINESS ECONOMICS**

**One Term      Grades 11, 12      Elective**

Gives students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics. Course concepts focus on why societies develop economic systems and identify basic features of different economic systems. Topics include integration of economic principles, such as free market economy, consumerism, and the role of American government within the economic system with entrepreneurship concepts such as marketing principles, business law, and risk. Aspects of personal finance may be included. **This course will fulfill the .5 required credit for Economics.**

## **CISCO 2**

**One Term      Grades 11, 12      Elective**

**Prerequisite: CISCO 1**

Students in this course will repair, service, troubleshoot, and maintain our high school computers. This is a terrific opportunity for students looking at going into CISCO careers. Enrollment is limited. See Ms. Troe for an application form. **PRIOR APPROVAL NEEDED. College credit available, see Ms. Troe for explanation. A student interested in taking CISCO 2 must receive prior permission from the teacher.**

## **YEARBOOK C**

**One Term      Grades 11, 12      Elective**

**Prerequisite – Yearbook A and Yearbook B**

This course expands on the foundational elements of yearbook production and distribution found in the Yearbook A/B course. Students in this course typically provide leadership in the design, development, and distribution of the annual school yearbook. Leadership roles may include staffing, work oversight and evaluation, and coordination of efforts to secure advertising and funding in support of yearbook production. Students will develop marketing campaigns for yearbook sales and/or advertisement. Advanced tasks may also include learning about and assisting in the management of finances for the yearbook. **NEED PERMISSION TO REGISTER – Get a form from Mrs. Schutz.**

## **YEARBOOK D**

**One Term      Grades 11, 12      Elective**

**Prerequisite – Yearbook A and Yearbook B**

This course expands on the foundational elements of yearbook production and distribution found in the Yearbook A/B course. Students in this course typically provide leadership in the design, development, and distribution of the annual school yearbook. Leadership roles may include staffing, work oversight and evaluation, and coordination of efforts to secure advertising and funding in support of yearbook production. Students will develop marketing campaigns for yearbook sales and/or advertisement. Advanced tasks may also include learning about and assisting in the management of finances for the yearbook. **NEED PERMISSION TO REGISTER – Get a form from Mrs. Schutz.**

## **BUSINESS INTERNSHIP**

**Two to Four Terms      Grade 12      Elective**

**Prerequisite: Intro to Computer Applications; and two additional Business Electives (These classes may be taken concurrently with Business Internship)**

Work experience courses provide students with opportunities to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment in a field related to their career interests. Students interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Goals are set cooperatively by the student, teacher, and employer and student. See Mr. Lais for an application form. **PRIOR APPROVAL NEEDED. Students may not take SVS, Office Assistant or Media Assistant in the same term as Business Intern. Students will only receive a pass fail for this class.**

## COMMUNICATION ARTS

COURSE #	CLASS	GRADE	CREDIT
2496 / 2497	English 9 A&B	9, 10, 11, 12	2 term, 1 cr.
2499 / 2498	English 9 A&B - Honors	9, 10, 11, 12	2 term, 1 cr.
2533	Graphic Novels	9, 10, 11, 12	1 term, .5 cr.
2524	Introduction to Public Speaking	9, 10, 11, 12	1 term, .5 cr.
2536	Young Adult Literature	9, 10, 11, 12	1 term, .5 cr.
2506	Creative Writing	10, 11, 12	1 term, .5 cr.
2572	Debate	10, 11, 12	1 term, .5 cr.
2514	Dystopian Literature	10, 11, 12	1 term, .5 cr.
2529	Film Studies	10, 11, 12	1 term, .5 cr.
2543	Hispanic American Literature	10, 11, 12	1 term, .5 cr.
2526	Modern Media	10, 11, 12	1 term, .5 cr.
2528	Mythology	10, 11, 12	1 term, .5 cr.
2500 / 2501	English 10 A&B	10, 11, 12	2 term, 1 cr.
2493 / 2494	English 10 A&B-Honors	10, 11, 12	2 term, 1 cr.
2563	Sports Literature	10, 11, 12	1 term, .5 cr.
2561	Theater	10, 11, 12	1 term, .5 cr.
2586	Trojan News	10, 11, 12	1 term, .5 cr.
2502	British Literature-Honors	11, 12	1 term, .5 cr.
2510 / 2512	English 11 A&B	11, 12	2 term, 1 cr.
2518 / 2519	English 11 A&B-Honors	11, 12	2 term, 1 cr.

### ENGLISH 9 A&B

**Two Terms    Grade 9, 10, 11, 12    Required**

In English 9, students will enhance their reading, writing, and communication skills. They will also expand their vocabulary and knowledge of grammar and punctuation. Students will read and analyze short stories, poetry, class novels, and other texts, including *Everything, Everything* and *Romeo and Juliet*. This course takes students through literary and informational texts that explore how individuals are affected by their choices, journeys, and interactions with others. In addition to reading and analyzing, students will write multiple 5-paragraph essays and give speeches and presentations. **English 9 serves as the foundation for all Communication Arts classes at WHS.**

### ENGLISH 9 A&B-Honors

**Two Terms    Grade 9, 10, 11, 12    Required**

English 9 A & B - Honors will cover all the skills and ideas of the regular class, as well as additional concepts, in greater depth.

### GRAPHIC NOVELS

**One Term    Grades 9, 10, 11, 12    Elective**

Students will read and analyze graphic novels as works of literature while also learning to appreciate the unique qualities of the medium. Reading selections may include – but are not limited to – *American Born Chinese*, *Persepolis*, and *Maus*. Students will critique the various works through scene breakdowns, analytical written responses, and collaborative presentations.

### INTRODUCTION TO PUBLIC SPEAKING

**One Term    Grades 9, 10, 11, 12    Elective**

Focusing on the practical elements of public speaking, this course gently moves the student from simply standing up and saying their name to writing and delivering a persuasive argument. In between, students will also give an informative, how-to, and special occasion speech. Students will form a kind, supportive community that collaborates to help each student overcome their fear of speaking in public.

## **YOUNG ADULT LITERATURE**

**One Term      Grades 9, 10, 11, 12      Elective**

This course explores Young Adult (YA) Literature published after 2010. Students will examine literature intended for those between the ages of 12 and 18. Writing and discussion topics include the elements of YA Lit, common themes represented in YA Lit, and the representation of the realistic experiences in YA Lit. This course is recommended for 9<sup>th</sup> and 10<sup>th</sup> grade students.

**NOTE: Students are expected to complete English 9A&B before enrolling in any of the following courses.**

## **ASIAN AMERICAN LITERATURE**

**\*Offered every other year, next offered 2026-2027**

**One Term      Grades 10, 11, 12      Elective**

This course explores Asian and Asian American culture and heritage through literature written by and about people of Asian ancestry. Writing and discussion topics include the Asian American experience, immigration to America, mythology, folklore, and cross-cultural relations. Students will read the novels *The Joy Luck Club* and *Farewell to Manzanar*, in addition to reading short stories, watching films, and studying biographies of significant people of Asian ancestry.

## **CREATIVE WRITING**

**One Term      Grades 10, 11, 12      Elective**

This course is designed to allow students to experience all kinds of writing. The setting is a workshop in which the student and teacher work together to enhance individual writing skills. Strong focus will be placed on idea development, vocabulary, syntax, organization, and style. Assignments will include the genres of poetic, fictional, and dramatic writing.

## **DEBATE**

**One Term      Grades 10, 11, 12      Elective**

Students will learn how to research topics, build arguments, analyze issues, and present their ideas in a convincing manner. This course teaches through experience. Students will participate in several types of debates in class.

## **DYSTOPIAN LITERATURE**

**One Term      Grades 10, 11, 12      Elective**

This course will provide a study of dystopian and post-apocalyptic literature and film. It is designed for students interested in reading fiction for appreciation. Class required reading may include *Animal Farm*, *Fahrenheit 451*, and *UnWind*, as well as a group choice novel. Students will reflect on literature through classroom discussions and formal essays.

## **ENGLISH 10 A&B**

**Two Terms      Grade 10, 11, 12      Required**

In English 10, students will enhance their reading, writing, and communication skills. Students will read, discuss, and analyze a variety of texts, including Shakespeare's *Macbeth* and *Born a Crime* by Trevor Noah. This course takes students through literary and informational texts that explore the power of words and how individuals interact with each other through exchanges involving culture, language, and relationships. Students will work on language skills to expand vocabulary and enhance understanding of grammar mechanics. Students will write for a variety of purposes and will give two formal speeches and several informal presentations.

## **ENGLISH 10 A&B-Honors**

**Two Terms      Grade 10, 11, 12      Required**

English 10 A & B - Honors will cover all the skills and ideas of the regular class, as well as additional concepts in greater depth.

## **FILM STUDIES**

**One Term      Grades 10, 11, 12      Elective**

Students will develop their academic writing and critical thinking skills through analysis of films. Students will learn to be critical viewers of film by examining the literary, dramatic, and cinematic elements and other components of film.

## HISPANIC AMERICAN LITERATURE

**\*Offered every other year, next offered 2025-2026**

**One Term    Grades 10, 11, 12    Elective**

This course explores Hispanic American culture and heritage through literature written by and about people of Hispanic ancestry. Writing and discussion topics will include the Hispanic American experience, immigration, politics, folklore, and cross-culture relations. Students will read the novels *The House on Mango Street* and *We Are Not from Here*, in addition to reading short stories, watching films, and studying biographies of significant people of Hispanic ancestry.

## MODERN MEDIA

**One Term    Grades 10, 11, 12    Elective**

This course focuses on the study of the media. The class is organized by these thematic units: Advertising and Consumerism in America, Google, and YouTube – Reshaping the Way We View the World, Television and Its Influence on Youth Culture, Dissecting the News Media, and The Evolution of Popular Music. Writing and discussion topics will be in response to the thematic units.

## MYTHOLOGY

**One Term    Grades 10, 11, 12    Elective**

This course looks at the common threads woven through the world's greatest myths and the roles they have played through time. Daily readings are from various myths and *Percy Jackson and the Olympians: The Lightning Thief*, as well as excerpts from *The Iliad* and *The Odyssey*, and other world epics. Students will do World Mythology research-based projects. Students will also study other common fictional archetypes, like fairy tales, urban legends, and the superhero story.

## SPORTS LITERATURE

**One Term    Grades 10, 11, 12    Elective**

Sports Literature is a course that will examine the unique relationship between sports and society through literature by contemporary authors, columnists, and other media pieces. Reading in the course is selected to be high-interest and thought-provoking. Selections may include—but are not limited to—*Something for Joey*, *Shoeless Joe* (the novel for the movie *Field of Dreams*), athlete biographies, and a wide selection of films and documentaries. Writing in this course will include descriptive, personal reactions, and critical topics. Through the examination of literature and writing, students will have a greater awareness of the relationship between sports and contemporary society.

## THEATER

**One Term    Grades 10, 11, 12    Elective**

Students will focus on historical, technical, and production aspects of theater. There will be special emphasis on improvisation and acting. Productions will involve plays written by students. There will be script writing and direction opportunities. This course meets performing arts requirements.

## TROJAN NEWS

**One Term    Grades 10, 11, 12    Elective**

Trojan News offers students an introduction to journalism through broadcast news. Students will learn the laws and ethics of journalism and apply them to their own practices. Students will plan stories, interview subjects, write scripts, film B-roll, write and perform stand-ups & voiceovers, and edit final products. Final products will be broadcast to WHS students and staff and be posted on the District's Social Media pages. **May be taken more than one term but may only count for an English elective the first time enrolled. Each additional semester taken credit will count for a general elective.**

## BRITISH LITERATURE-Honors

**One Term    Grade 11, 12    Elective**

This course is a survey of British literature beginning with the 5th century through the present. Students will read the novel *A Tale of Two Cities*, and the drama *Hamlet*. Various writing assignments use research techniques. This class is recommended for any student interested in taking the English literature Advanced Placement exam.

## ENGLISH 11 A&B

**Two Terms    Grade 11, 12                      Required**

In English 11, students will enhance their reading, writing, and communication skills. Students will read and analyze a variety of classic and contemporary texts. This course offers students a wealth of opportunities to interact with text through written responses and critical thinking questions. English 11 takes students through literary and nonfiction texts, primarily through the study of longer works, that span a variety of genres, cultures, and eras, including *The Crucible*, *The Great Gatsby*, *A Raisin in the Sun*, and *Unbroken*. At the completion of the course, students will be well-versed in the skills necessary for rigorous college and career-level reading, writing, and speaking.

## ENGLISH 11 A&B-Honors

**Two Terms    Grade 11, 12                      Required**

English 11 A & B - Honors will cover all the skills and ideas of the regular class, as well as additional concepts, in greater depth in preparation for the optional AP Literature exam.

### CONCURRENT ENROLLMENT COURSES

COURSE #	CLASS	GRADE	CREDIT
2075 / 2076	MN West College Prep-Freshman Seminar & Digital Literacy	11, 12	1 term, .75
1010	MN West Intro to Animal Science	11, 12	1 term, .75
8420	MN West Intro to Education	11, 12	1 term, .75
1011	MN West Intro to Horticulture	11, 12	1 term, .75
1012	MN West Principles of Agronomy	11, 12	1 term, .75
6021	MN West Principles of Biology I	11, 12	1 term, 1 cr.
8418	MN West Technology in Education	11, 12	1 term, .5 cr.

**\*Course descriptions are also listed with corresponding departments.**

## MN WEST COLLEGE PREP

**One Term    Grades 11, 12                      Elective**

This course is open to all students interested in attending a two-year or four-year college or university. This course will be taught by MN West instructor(s). Upon completion of this course, students will have earned 1 MN West college credit for Freshman Seminar (STSK110) and 2 MN West college credits for Digital Literacy (STSK1135). Separate grades for each course will be earned at the high school and college level.

**MN West Freshman Seminar** Course # 2075 (1 college credit, .25 high school elective credit)

Enhances the student's adjustment and success with the college experience. The Freshman Seminar course provides students with a general orientation and introduction to resources and skills helpful in the transition to college life and to assist in long term academic and personal success. It is designed to facilitate a successful college experience. Students will develop college-level study skills and will learn about college resources to assist them in their personal and academic adjustment to college life. Strategies for a successful college experience, including time management, studying smart, taking notes from lecture and textbooks, writing, test taking techniques, stress management, learning teaching styles, preparing speeches, introduction to online learning, navigating D2L and ITV/distance learning will be covered.

**MN West Introduction to Digital Literacy** Course # 2076 (2 college credits, .5 high school elective credit)

Introduces students to the basic elements of Digital Literacy as they develop the technology proficiency, information literacy, and media literacy necessary for safe use of digital technologies vital for success in post-secondary settings as well as the 21st Century workforce. Prerequisite: Students will need to have access to a reliable Internet connection and access to a device which will enable them to use various technologies.

If you are interested in going to a technical or community college, or going to a four-year university, this class is for you. Due to the flexibility of this course, students should be self-motivated and on track for graduation. If you are unsure whether this course is for you, visit your counselor. **Students interested in this course must register for both MN West Freshmen Seminar #2075 and MN West Intro to Digital Literacy #2076.**

### **MN WEST INTRO TO ANIMAL SCIENCE**

**One Term      Grades 11, 12              Elective**

**Concurrent College Credit Course with MN West (3 college credits). This is a Career and Technical course; credits may transfer to institutions other than MN West.**

Introduction to Animal Science provides students with an emphasis on the fundamental concepts of physiology, nutrition, animal breeding and management as applied to beef cattle, dairy cattle, poultry, sheep, and swine production.

### **MN WEST INTRO TO EDUCATION**

**One Term      Grades 11, 12              Elective**

Have you ever thought about becoming a teacher? Do you like working with children? Are you wondering if you might like teaching as a career? This course offers an introduction to early childhood, elementary, and secondary education. Students will have the opportunity to examine their potential for the teaching profession. You will explore career opportunities, requirements, regulations, and professional ethics. The historical and social foundations of education, as well as schools in a diverse society, will be covered. You will also learn more about challenges and rewards faced by education professionals, as well as what types of careers are available in education, in addition to teaching. Upon completion of this course, students will have earned three Minnesota West college credits (EDUC1100). The course will be held on Tuesday and Thursday at the High School. Students will have field experience and be expected to complete coursework and assignments on Monday/Wednesday/Friday each week but will not be required to report to a classroom. Due to the flexibility of this course, students should be self-motivated and on track for graduation. If you are unsure if this course is for you, visit your counselor.

### **MN WEST INTRO TO HORTICULTURE**

**One Term      Grades 11, 12              Elective**

**Concurrent College Credit Course with MN West (3 college credits). This is a Career and Technical course; credits may transfer to institutions other than MN West.**

Emphasizes the growth process in production of fruits, vegetables, flowers, lawns, trees, and shrubs. Studies include planning, preparation, and care of home grounds. Fundamental concepts in plant identification, growth, culture, landscape, and design are also studied.

### **MN WEST PRINCIPLES OF AGRONOMY**

**One Term      Grades 11, 12              Elective**

**Concurrent College Credit Course with MN West (3 college credits). This is a Career and Technical course; credits may transfer to institutions other than MN West.**

Principles of Agronomy explores the principles and practices of plant and related sciences as applied to increasing productivity and improvement of field crops. Emphasis is on crop selection and improvement through the breeding of crop varieties, seeds and seedlings, crop growth and development, crop production hazards, and the harvest and storage of field crops.

### **MN WEST PRINCIPLES OF BIOLOGY I**

**Two Terms      Grades 11,12              Meets Requirement**

**Concurrent College Credit Course w/MN West (4 college credits)**

**Qualifying students must: Take & meet requirements of the Accuplacer test. Juniors must be ranked in the top 1/3 of their class. Seniors must be ranked in the top 1/2 of their class.**

The successful completion of this course will earn you 4 credits through MN West Community College. Investigate fundamental principles of biology with special emphasis on the composition of living things and living systems, the chemistry of living things, natural selection, cell structure and function, metabolism emphasizing bioenergetics and biosynthesis, the cell cycle, and genetics. This course meets the high school biology requirement for graduation.

## MN WEST TECHNOLOGY IN EDUCATION

**One Term    Grades 11, 12    Elective**

This course is a continuation of our Future Education Pathway. It introduces the educational uses of technology by exploring computer applications as tools for their own learning as well as the ethics of electronics communications. A Teacher education portfolio (online) will be developed. Upon completion of this course, students will earn 2 MN West college credits.

## FAMILY AND CONSUMER SCIENCE

<b>COURSE #</b>	<b>CLASS</b>	<b>GRADE</b>	<b>CREDIT</b>
5022	Child's World	9, 10, 11, 12	1 term, .5 cr.
5020	Food Exploration	9, 10, 11, 12	1 term, .5 cr.
5014	Creative Sewing	10, 11, 12	1 term, .5 cr.
5000	Foods & Nutrition	10, 11, 12	1 term, .5 cr.
5001	Food Science & Fitness	10, 11, 12	1 term, .5 cr.
5008	Independent Living	10, 11, 12	1 term, .5 cr.
5017	Interior Design	10, 11, 12	1 term, .5 cr.
5016	Child Development and Career	11, 12	1 term, .5 cr.
5015	Culture & Cuisine	11, 12	1 term, .5 cr.
5010	Teen Issues	11, 12	1 term, .5 cr.

### CHILD'S WORLD

**One Term    Grades 9, 10, 11, 12    Elective**

**Level One Child Development course**

Explore the world through a child's eyes while learning to care for children of all ages. In this class, you will learn about parenting while working with a mechanical baby, how to care for children, set up a playschool and develop a new product to entice the interest of a young child.

### FOOD EXPLORATION

**One Term    Grades 9, 10, 11, 12    Elective**

**Level One Foods course**

Good nutrition and healthy choices can be fun. In this class, you will explore foods and flavors along with preparation techniques. Explore the foods from around the United States, participate in sensory experiments, understand food label information, and research current related topics. Show your creativity in the kitchen, gain confidence in your food preparation skills, and make nutritious decisions.

### CREATIVE SEWING

**One Term    Grades 10, 11, 12    Elective**

Learn to sew using a variety of fabrics. Projects in this class will include unique techniques to make items for the home, items to wear, and more. Apply your math skills with a small quilt project featuring industrial style cutting techniques. Don't worry if you can't sew, projects will be based on your skill level. Learn modern technology with the use of machine embroidery software. Class size is limited. A \$10.00 fee includes materials used in the planned projects and materials consumed during class. Learn money-making skills.

### FOODS & NUTRITION

**One Term    Grades 10, 11, 12    Elective**

**Level Two Foods course – Successful completion of a Level One Foods course is required.**

Develop the confidence and skills of a professional chef by preparing a variety of foods from different food groups. Choose a food to explore the nutritional content and the impact it has on their wellbeing. Discover current trends in food and nutrition. You will work with other students and prepare a restaurant quality meal for a guest.

## **FOOD SCIENCE AND FITNESS**

**One Term      Grades 10, 11, 12      Elective**

**Level Two Foods course – Successful completion of Level One Foods course is required.**

Did you know you could get paid to play with your food? This is a fun nutrition and food science course that combines information on food science, the nutritional needs throughout the lifecycle, and the need for daily activity to maintain a healthy lifestyle. You will enjoy learning about food science by experimenting in lab with fats, carbohydrates (sugars and starches), proteins, study nutrient related health issues (Diabetes, Celiac Disease, nutrition for the athlete), latest diets, Foods, probiotics, prebiotics, chemical compounds, molecular gastronomy, facts, and fiction about information in the media, and exercise programs for a variety of needs. We cover information or have speakers on being a Food Scientist, Dietitian, Massage Therapist, and see what product development all is about.

## **INDEPENDENT LIVING**

**One Term      Grades 10, 11, 12      Elective**

**This course will fulfill the .5 required credit for Personal Finance.**

**Students who have previously completed this course meet the Personal Finance required credit.**

Living on your own involves many informed decisions. This Personal Finance course is designed to create confident consumers while understanding the economic system and making the most of the opportunities in a market economy. Decision making and comparing alternatives, handling money wisely, balancing a checking account, investing, purchasing, and maintaining a car, wardrobe, and home, cooking efficient and healthy meals, preparing for a job interview, budgeting and insurance are all wrapped up into real life simulation. Field trips and guest speakers make this course a “real world” experience. This is a great class if you are moving out to go to college or plan to be on your own.

## **INTERIOR DESIGN**

**One Term      Grades 10, 11, 12      Elective**

Transform the space around you into a functional, attractive, and comfortable environment. This course will take a hands-on approach to the elements and principles of design. Topics will include various areas including flooring, wall coverings, windows, fabrics, furnishings, lighting, green living, organizing space and more. Students will use the Home Designer (CAD) program to create an original project, along with a visual display board to understand what it involves having a career in Interior Design. Included fieldtrips, and guest speakers to inspire students for their final designs.

## **CHILD DEVELOPMENT AND CAREER**

**One Term      Grades 11, 12      Elective**

**Level Two Child Development course – Successful completion of a Level One Child Development course is required. Up to 3 college credits from selective colleges are available. The combination of courses, independent work and a skills test must be completed to earn a credits certificate.**

Discover how a child develops from birth to age 6, along with the occupational practice of being a caregiver. In this class you will make learning materials and evaluate equipment appropriate for infants, toddlers, and school age children. This course is designed to learn economic issues involved with a child’s needs, acquire skills in planning and directing the activities of children, study basic child psychology, understand socialization of children and handle behavior problems. Students will plan, conduct, and evaluate a two-week preschool during class.

## **CULTURES & CUISINE**

**One Term      Grades 11, 12      Elective**

**Level Three Foods course – Successful completion of Level One and Two courses required.**

**Up to 3 college credits from selective colleges are available. The combination of courses, independent work and a skills test must be completed to earn a credits certificate.**

If you enjoy preparing food and experiencing new flavors from around the world, you will enjoy this advanced class. Advanced culinary skills continue from the knowledge gained from the Foods and Nutrition course. Students will gain more advanced skills in food preparation as well as learn about culture and cuisine from other countries. Lab time will provide students ample time to make and try unique foods from other countries. Students will demonstrate food techniques to their peers, travel to see professional occupations in food service, study restaurant management, and practice professional chef techniques.



## TEEN ISSUES

**One Term      Grades 11, 12      Elective**

Up to 3 college credits from selective colleges are available. The combination of courses, independent work and a skills test must be completed to earn a credits certificate.

Using a decision-making process, issues concerning students in this class will be part of the content. Based on a family perspective; goal setting, values clarification, and communication skills will be applied to the issues students have identified. Group work, videos, information gathering discussions, and resource file, presentations will provide for learning experiences.

## INDUSTRIAL TECHNOLOGY

COURSE #	CLASS	GRADE	CREDIT
5063	Engineering	9, 10, 11, 12	1 term, .5 cr.
5061	Intro to CAD	9, 10, 11, 12	1 term, .5 cr.
5064	Robotics	9, 10, 11, 12	1 term, .5 cr.
5053	Woodcraft	9, 10	1 term, .5 cr.
5059	Computer Aided Design I	10, 11, 12	1 term, .5 cr.
5062	Construction Technology	10, 11, 12	1 term, .5 cr.
5054	Wood Technology 1	10, 11, 12	1 term, .5 cr.
5056	Wood Technology 2	10, 11, 12	1 term, .5 cr.
5060	Advanced Woods	11, 12	1 term, .5 cr.
5050	Drones	11, 12	1 term, .5 cr.

## ENGINEERING

**One Term      Grades 9, 10, 11, 12      Elective**

Students will be introduced to two disciplines in the engineering field through hands-on experiences. Students will learn about the engineering design process and utilize the multiple steps to research, design, construct, test, and redesign an airplane and a balsa wood bridge. Students who complete the course will be able to apply the steps of the engineering design process to everyday problems and walk away with a better understanding of two disciplines within the engineering field.

## INTRODUCTION TO CAD

**One Term      Grades 9, 10, 11, 12      Elective**

Students will learn the basics of CAD (Computer Aided Design) using the Creo Parametric design software. Units in this course cover Basic 2D CAD Drawing, CAD geometric construction, 3D Solid Modeling, Dimensioning, and Creating Working Drawings. Students that successfully complete the Introduction to CAD course will be able to produce complex, accurate computer aided designs that contain various geometric features while adhering to proper drafting standards and techniques.

## ROBOTICS

**One Term      Grades 9, 10, 11, 12      Elective**

The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics. Course information will be tied to lab experiments; students will work in teams to build and test increasingly more complex mini, mobile robots using the radio controlled VEX robotic system.

## WOODCRAFT

**One Term      Grades 9, 10      Elective**

Excellent introductory class for 9<sup>th</sup> and 10<sup>th</sup> grade students. A variety of crafts and techniques will be explored. Possible projects include a puzzle, box, and folding stool. Varied application finishes will also be introduced.

## **COMPUTER AIDED DESIGN I**

**One Term      Grades 10, 11, 12      Elective**

### **Prerequisite: Introduction to CAD**

Students will learn CAD techniques and 3D CAD modeling using Creo Parametric design software. Units in this course cover 3D Solid Modeling, 3D Solid Sectioning, Multi-view Projection, and 3D Rendering. Students that successfully complete the Computer Aided Design course will be able to produce complex, accurate three-dimensional solid models that contain various rendered, geometric features while adhering to proper drafting standards and techniques.

## **CONSTRUCTION TECHNOLOGY**

**One Term      Grades 10, 11, 12      Elective**

A comprehensive study introducing students to the activities involved in the design and planning of communities. Emphasis will be focused on all facets of construction including: the preparation for building, the design, engineering, and construction practices used in residential, commercial, and industrial structures. Demand and site factors as related to developing housing, streets, transportation systems, recreation areas, shopping centers will also be studied. A storage shed will be constructed as a class project.

## **WOOD TECHNOLOGY 1**

**One Term      Grades 10, 11, 12      Elective**

This course will familiarize the student with basic planning and construction in woodworking. Good safety practices will be studied. Topics covered will include furniture joinery, kinds, types and uses of various woods, identity and uses of various hand tools and power equipment, planning procedures, board feet problems, and bill of materials for personal products. Students will be able to choose a project from a group of preselected projects. No prerequisite.

## **WOOD TECHNOLOGY 2**

**One Term      Grades 10, 11, 12      Elective**

### **Prerequisite: Wood Technology 1**

This course is designed to devote more time to a personal wood project to achieve a higher degree of workmanship. Students will implement a more in-depth study of planning and construction. Specialized hand tools along with specification, maintenance, and special uses of power equipment will be studied. Wood joinery, project drawing, and bill of materials will be used. Students will be able to choose a project from a group of preselected projects or build a different personal project (subject to instructor approval).

## **ADVANCED WOODS**

**One Term      Grades 11, 12      Elective**

### **Prerequisite: Woods 1 & 2**

Students showing exceptional ability and interest in woodworking will have an opportunity for incorporating advanced design and construction methods in completing a project of high standard. Students will be making an independent project that they design using their knowledge of joinery and design principles.

## **DRONES**

**One Term      Grades 11, 12      Elective**

In this course, students will get a hands-on experience as they explore the world of drones. Students will learn about the basics of drones, drone flight and how to manually control them. Students will learn how to code, using Python, as they create autonomous flight plans. The course will also introduce students to the FAA Part 107 standards. Learning about these standards is the first step in getting a commercial drone pilots license.

## MATHEMATICS

COURSE #	CLASS	GRADE	CREDIT
5119	Pre-Algebra	9, 10	1 term, 0.5 cr.
5130 / 5131	Algebra 1 A&B	9, 10	2 terms, 1 cr.
5100 / 5101	Geometry A&B	9, 10, 11	2 terms, 1 cr.
5109 / 5110	Accelerated Geometry A&B	9, 10, 11	2 terms, 1 cr.
5120 / 5121	Algebra 2 A&B	10, 11, 12	2 terms, 1 cr.
5134 / 5135	Algebra 3 A&B	11, 12	2 terms, 1 cr.
5140 / 5141 5132 / 5133	Pre-Calculus A&B / AP Calculus A&B	12	4 terms, 2 cr.

**3 Math credits are required to graduate.**

To begin with Geometry, students should demonstrate mastery of skills in WMS 8<sup>th</sup> grade math or Algebra 1 with a grade of C- or better. If not, we strongly encourage beginning with Algebra 1 since it is the foundation of all other math courses.

### PRE-ALGEBRA

**One Term    Grades 9, 10**

**\*Required for incoming HS students who have not demonstrated mastery of the preliminary skills required for Algebra 1.**

This course is designed for students who need remediation in the fundamentals of math as they enter high school. The course will have specific units involving number sense, integer operations, fractions, order of operations, and variable expressions. This course will prepare students with the foundation needed to be successful in Algebra 1. **This course will receive HS elective credit but not HS math credit.**

### ALGEBRA 1 A&B

**Two Terms    Grades 9, 10**

**\*Required for incoming high school students who have not demonstrated mastery of 8<sup>th</sup> grade math with a grade of C- or better.**

Algebra is the language of mathematics. In this first-year course of algebra, students will describe patterns of all kinds, work with formulas, discuss unknowns in problems and graph ideas. Topics covered include addition, subtraction, multiplication, and division within equations; inequalities, writing and graphing slope, exponents, and polynomials. Compound inequalities, systems of equations and exponentials will also be introduced. **This course will receive HS elective credit but not HS math credit.**

### GEOMETRY A&B

**Two Terms    Grades 9, 10, 11            Meets Requirement**

**Prerequisite: Grade of C- or better in WMS 8<sup>th</sup> grade math or Algebra 1 or Concepts of Algebra 1**

Geometry is the first of a sequence of college bound mathematics courses. It includes material on coordinates, congruence and symmetry, measurements, area, and volume. It integrates algebra with geometry and is rich in applications and problem solving. Formal and informal proofs and constructions are also covered.

### ACCELERATED GEOMETRY A&B

**Two Terms    Grade 9, 10, 11            Meets Requirement**

**Prerequisite: Grade of B- or better in Algebra 1 or math department recommendation**

This course will include all the topics in a regular geometry course but at a more rigorous level and pace. The course includes material on coordinates, congruence and symmetry, measurements, area, and volume. It integrates algebra with geometry and is rich in applications and problem solving. Formal and informal proofs and constructions are also covered.

**ALGEBRA 2 A&B****Two Terms    Grades 10, 11, 12    Required****Prerequisite: Geometry or Accelerated Geometry**

Topics covered include expressions, functions, linear, quadratic, and polynomial equations, arithmetic and geometric sequences, integer and rational exponents and applications. Solutions to linear, quadratic, and polynomial functions will be analyzed and understood from multiple representations. Problem solving and the application of mathematics will be emphasized in this course.

**ALGEBRA 3 A&B****Two Terms    Grades 11, 12    Required****Prerequisite: Algebra 2**

It gives strong attention to statistics as well as to the ideas of functions and trigonometry. Statistics are important not only for the consumer but also for the prospective college student. Functions are important throughout mathematics and its applications. Trigonometry is essential for the sciences and engineering. Graphing calculators are used throughout the course to promote a student's ability to visualize functions, to explore relationships between equations and their graphs, to generate and analyze data, and to develop the concept of a limit.

**PRE-CALCULUS A&B/AP CALCULUS A&B****Four Terms (One Year)    Grade 12    Elective****Prerequisite: Algebra 3**

This course is recommended for students with a good background in math that will want to pursue math or engineering related careers or get a head start on college math. The pre-calculus portion of this course will review important concepts learned in previous courses and prepare students for success with calculus. The AP Calculus portion of the course will begin as soon as the preparatory concepts have been covered. Ultimately, the goal for students will be to learn important calculus tools and earn college credit by passing the standardized AP Calculus test given in early May. Topics studied in the course include solving algebraic equations and functions, limits, continuity, derivatives, and their applications, integrals and their applications, differential equations, mathematical modeling, infinite series, parametric, polar and vector functions, working with concepts and motions in 3-space, and as time allows multivariate calculus, matrices, vertex-edge graphs, and discrete optimization problems.

## MUSIC

COURSE #	CLASS	GRADE	CREDIT
5178	Class Guitar	9, 10, 11, 12	1 term, .5 cr.
5191	The History of Rock	9, 10, 11, 12	1 term, .5 cr.
5172	Trojan Concert/Marching Band A&B	9, 10, 11, 12	2 terms, .5 cr.
5173	Trojan Concert/Marching Band C&D	9, 10, 11, 12	2 terms, .5 cr.
5154	Varsity Choir A&B	9, 10	2 terms, .5 cr.
5155	Varsity Choir C&D	9, 10	2 terms, .5 cr.
5176	Varsity Strings A&B	9, 10	2 terms, .5 cr.
5177	Varsity Strings C&D	9, 10	2 terms, .5 cr.
5187	Varsity Choir / Varsity Strings A&B	9, 10	2 terms, .5 cr.
5188	Varsity Choir / Varsity Strings C&D	9, 10	2 terms, .5 cr.
5195	Concert Choir A&B	10, 11, 12	2 terms, .5 cr.
5196	Concert Choir C&D	10, 11, 12	2 terms, .5 cr.
5189	Concert Choir/WHS Orchestra A&B	10, 11, 12	2 terms, .5 cr.
5190	Concert Choir/WHS Orchestra C&D	10, 11, 12	2 terms, .5 cr.
5174	WHS Orchestra A&B	10, 11, 12	2 terms, .5 cr.
5175	WHS Orchestra C&D	10, 11, 12	2 terms, .5 cr.
5171	Fundamentals of Music	11, 12	1 term, .5 cr.

### CLASS GUITAR

**One Term    Grades 9, 10, 11, 12    Elective**

Class Guitar is an introductory, non-performance course designed to allow students to learn the basics of playing the acoustic guitar. Fundamentals of rhythm and melody, guitar techniques, chord / note reading, and basic general musicianship will be stressed. Tablature, transposition, and fingerstyle playing will be explored. There is also a special individual research project attached to guitar class. The WHS Music department furnishes all materials for this class including instruction books and acoustic guitars.

### THE HISTORY OF ROCK

**One Term    Grades 9, 10, 11, 12    Elective**

Music often reflects history. The History of Rock studies the evolution of Call and Response during American slavery through the Blues styles of the early 1900s, to the popular musical styles of the early 1950s through the 1980s. We will explore the impact Rock and Roll had on American and British culture, and we will study contemporary American History as told through the music of its youth. Students will have opportunities to create GarageBand compositions, study music marketing, and present projects on their favorite rock and roll artists. Students must have a school issued iPad for this course.

### TROJAN CONCERT / MARCHING BAND A&B, C&D

**Four Terms    Grades 9, 10, 11, 12    Elective**

**Prerequisite: Successful completion of the instrumental band curriculum at the middle school level, or by audition, or by band director's approval.**

The WHS Trojan Band program provides students the opportunity to perform a wide variety of standard concert / marching band literature coupled with various instrumental musical styles. During this year-long course, student musicians will rehearse various instrumental pieces covering major areas of music history and will augment their regular daily rehearsals with sectionals as assigned. Emphasis will be placed upon the continuation of fundamental and advanced musical skills, the understanding of performance-based music, and overall musicianship. Students receive a letter grade every two quarters based upon points earned in evaluation, participation, and performance. The concert band participates in 2 concerts a year. Students are encouraged to participate in the regional solo/ ensemble contest and audition for Minnesota All-State and other regional honor bands. Students interested in Jazz Band must be enrolled in Concert/Marching Band.

### **VARSITY CHOIR A&B, C&D**

**Four Terms    Grades 9, 10                    Elective**

**Prerequisite: Successful completion of the choir curriculum at the middle school level, or by audition, or by the choir director's approval.**

Varsity Choir is open to all students in grades 9 and 10 who are seeking a foundation in choral singing. The choir rehearses daily with individual lessons and group sectionals required as part of the course. Varsity Choir performs three concerts per year, exploring a wide variety of beginning and intermediate 4-part choral music. Performances take place outside the school day, and they are part of the graded requirements for the class. Students in Varsity Choir will work on building good choral skills including breath support, sight reading, intonation, and tone color. Students will have opportunities to listen to and critique their own performances. Additional opportunities to work with guest clinicians, audition for state and regional honor choirs and Minnesota All State Choir, participate in select ensembles and solo and ensemble contest, and attend professional concerts and musicals will be offered. Additionally, students in Varsity Choir will have the opportunity to earn a Letter Award through involvement in the choral program.

Students signing up for Varsity Choir should register for **BOTH** Varsity Choir A&B **AND** Varsity Choir C&D

### **VARSITY STRINGS A&B, C&D**

**Four Terms    Grades 9, 10                    Elective**

**Prerequisite: Successful completion of the orchestra curriculum at the middle school level, or by audition, or by orchestra director's approval.**

Varsity Strings is open to all students in GRADES 9 & 10 who can show proficiency as players of their chosen traditional stringed instrument (violin, viola, cello, and double bass). The orchestra rehearses daily with individual lessons and group sectionals required as part of the course. Standard orchestral repertoire of intermediate difficulty from all musical periods will be studied. Performance of 2 and 3 octave major and minor scales, intonation, shifting, vibrato, bowing techniques, sight reading and refinement of ensemble playing will be part of the experience. Listening to our own performances and providing verbal and written critiques will be encouraged. Opportunities to hear live and recorded professional performances will be sought. The orchestra will participate in public performances scheduled at school and in the community. Performances take place outside the school day, and they are part of the graded requirements for the class. Opportunities to perform for contests, festivals and auditions for the Minnesota All-State Orchestra will be announced.

Students signing up for Varsity Strings should register for **BOTH** Varsity Strings A&B **AND** Varsity Strings C&D.

### **VARSITY CHOIR/VARSITY STRINGS A&B, C&D**

**Four Terms    Grades 9, 10                    Elective**

The Varsity Choir/Varsity Strings option allows students to participate in **BOTH** Varsity Choir and Varsity Strings during the same class period. Students selecting this option will rotate between the two ensembles every other day. Students selecting this option will be responsible for meeting the performance and curriculum requirements of both ensembles while splitting their time between the two rehearsals. As a result, some independent practice will be required.

Students signing up for Varsity Choir/Varsity Strings should register for **BOTH** Varsity Choir/Varsity Strings A&B **AND** Varsity Choir/Varsity Strings C&D.

## **CONCERT CHOIR A&B, C&D**

**Four Terms Grades 10,11,12 Elective**

**Prerequisite: Successful completion of the choir curriculum at WHS in VARSITY CHOIR, or by audition, or by choir director's approval.**

Concert Choir is open by audition to all students in grades 10-12. Concert Choir rehearses daily with individual lessons and sectionals required as part of the course. This ensemble performs four annual concerts featuring a wide variety of intermediate and advanced choral music. Additionally, this ensemble is frequently selected to perform at state and regional festivals and conferences. Performances take place outside the school day, and they are part of the graded requirements of the class. Additionally, students may be expected to do some individual practice outside of class. Members of the Concert Choir will continue building and refining good choral skills and build understanding through listening and critiquing our performances. Additional opportunities to work with guest clinicians, audition for state and regional honor choirs and Minnesota All State Choir, participate in select ensembles and solo and ensemble contest, and attend professional concerts and musicals will be offered. Additionally, students in Concert Choir will have the opportunity to earn a Letter Award through involvement in the choral program.

Students signing up for Concert Choir should register for **BOTH** Concert Choir A&B **AND** Concert Choir C&D.

## **CONCERT CHOIR/WHS ORCHESTRA A&B, C&D**

**Four Terms Grades 10, 11, 12 Elective**

The Concert Choir/WHS Orchestra option allows students to participate in **BOTH** Concert Choir and WHS Orchestra during the same class period. Students selecting this option will rotate between the two ensembles every other day. Students selecting this option will be responsible for meeting the performance and curriculum requirements of both ensembles while splitting their time between the two rehearsals. As a result, some independent practice will be required.

## **WHS ORCHESTRA A&B, C&D**

**Four Terms Grades 10, 11, 12 Elective**

**Prerequisite: Successful completion of the orchestra curriculum at WHS in VARSITY STRINGS, or by audition, or by orchestra director's approval.**

WHS Orchestra is open to all students in GRADES 10, 11 & 12 who can show proficiency as players of their chosen traditional stringed instrument (violin, viola, cello, and double bass). The orchestra rehearses daily with individual lessons and group sectionals required as part of the course. Standard orchestral repertoire of intermediate to advanced difficulty from all musical periods will be studied. Performance of 3 octave major and minor scales, intonation, shifting, vibrato, bowing techniques, sight reading and refinement of ensemble playing will be part of the experience. Listening to our own performances and providing verbal and written critiques will be encouraged. Opportunities to hear live and recorded professional performances will be sought. The orchestra will participate in public performances scheduled at school and in the community. Performances take place outside the school day, and they are part of the graded requirements for the class. Opportunities to perform for contests, festivals and auditions for the Minnesota All-State Orchestra will be announced.

Students signing up for WHS Orchestra should register for **BOTH** WHS Orchestra A&B **AND** WHS Orchestra C&D.

## **FUNDAMENTALS OF MUSIC**

**One Term Grades 11, 12 Elective**

**Prerequisite: Experience in a performance ensemble (band, choir, orchestra) and/or basic proficiency in music notation. See a WHS music instructor if you have questions about your qualifications.**

Fundamentals of Music is HIGHLY RECOMMENDED for students interested in pursuing music after high school. This course is also a great option for students who enjoy song writing or are interested in learning more about music theory. Fundamentals of Music allows students to explore basic chord structure and song writing rules, learn about song forms, and fine tune their listening skills. Skills learned in this class are applicable to both traditional and contemporary song writing. Students who take this course will also be well prepared to enter post-secondary music programs.

<b>PHYSICAL EDUCATION / HEALTH</b>
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<b>COURSE #</b>	<b>CLASS</b>	<b>GRADE</b>	<b>CREDIT</b>
7516	Freshman Seminar-Health	9	1 term, .5 cr.
7502	Health 10	10	1 term, .5 cr.
7504	Competitive Team Sports	9, 10, 11, 12	1 term, .5 cr.
7508	Healthy You I	9, 10, 11, 12	1 term, .5 cr.
7509	Healthy You II	9, 10, 11, 12	1 term, .5 cr.
7510	Healthy You III	9, 10, 11, 12	1 term, .5 cr.
7511	Total Fitness I	10, 11, 12	1 term, .5 cr.
7512	Total Fitness II	10, 11, 12	1 term, .5 cr.
7513	Total Fitness III	10, 11, 12	1 term, .5 cr.
7524	Total Fitness IV	10, 11, 12	1 term, .5 cr.
7525	Total Fitness V	10, 11, 12	1 term, .5 cr.
7526	Total Fitness VI	10, 11, 12	1 term, .5 cr.

### **FRESHMAN SEMINAR-HEALTH**

**One Term    Grade 9                      Required**

Being a teenager can be a rewarding and challenging experience. The challenges teens face is tougher today than at any time in history: academic stress, parent communication, social media, dating drama, abuse, bullying, addictions, depression, and peer pressure just to name a few. Students will also receive certified CPR and AED training. By learning these techniques students will be able to respond to emergency situations they may come upon in the future.

### **HEALTH 10**

**One Term    Grade 10                      Required**

Students will learn to make smart lifestyle decisions that will enhance their health, now and in the future. It all starts with basic habits like getting sufficient sleep, eating right, exercising, and managing stress that will provide the essential framework for health. In addition, developing good mental health, building healthy relationships, dealing with bullying and harassment, avoiding the dangers of substance abuse, practicing safety habits, and making well-informed sexual decisions are all critical skills that teens will master in the Health 10 courses.

### **COMPETITIVE TEAM SPORTS**

**One Term    Grades 9, 10, 11, 12    Elective**

Competitive Team Sports is a participation-based course for the student that enjoys physical activity and team competition. This course is based on learning the knowledge and skills needed to participate in a variety of team sports. A strong emphasis is placed on active participation, teamwork, respect for others, sportsmanship, and promotion of a good self-concept. Students should be aware that this is a highly competitive course and should have an expectation for strong participation in games, tournaments, and contests. **This class requires students to change their clothes.**

### **HEALTHY YOU I**

**One Term    Grades 9, 10, 11, 12    Elective**

Healthy You I is a participation-based course in a non-competitive environment. This course will focus on health-related fitness and its components: aerobic endurance, muscular strength, and muscular endurance. Students will be exercising in a health club type atmosphere utilizing the school's facilities. Students will acquire the tools and knowledge necessary to effectively embrace fitness in their daily lifestyles. **This class requires students to change their clothes.**



## HEALTHY YOU II

**One Term    Grades 9, 10, 11, 12    Elective**

Healthy You II is a participation-based course in a non-competitive environment. This course will focus on health-related fitness and components learned from the Healthy You I course along with taking an in-depth look at nutritional information and guidelines. Students will create, implement, and log their own nutritional program as well as adhere to an aerobic fitness program during the term. **This class requires students to change their clothes.**

## HEALTHY YOU III

**One Term    Grades 9, 10, 11, 12    Elective**

Healthy You III is a participation-based course in a non-competitive environment. Students will use the knowledge learned from Healthy You I and II to create an aerobic fitness program tailored to their own conditions and needs. Students will implement their own fitness plans during the term. **This class requires students to change their clothes.**

## TOTAL FITNESS I

**One Term    Grades 10, 11, 12    Elective**

Total Fitness I is a participation-based course. The concentration of this course will be on a comprehensive weight and speed training program. There is an emphasis focused on active participation, personal fitness, as well as strength and athletic development. The purpose of this course is to provide each student with a strong foundation of meaningful physical activity and to establish good habits for lifetime practices. **This class requires students to change their clothes.**

## TOTAL FITNESS II

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Total Fitness I**

Total Fitness II is a participation-based course. The class will include the same basic strength and speed training as covered in Total Fitness I. The focus of the class will be on improving athletic performance factors. High intensity levels of training will be done focusing on development of strength, speed, agility, and quickness. **This class requires students to change their clothes.**

## TOTAL FITNESS III

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Total Fitness I, and II**

Total Fitness III is a participation-based course. This course gives further opportunities for students to explore various weight training programs. Students will use the knowledge from Total Fitness I and II to create a training program tailored to their own condition and needs. Students will also receive more in-depth instruction on sports nutrition and sport specific training. **This class requires students to change their clothes.**

## TOTAL FITNESS IV

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Total Fitness I, II, and III**

Total Fitness IV is a participation-based course. This course will provide students with an opportunity to learn variations of core body lifts. Students will apply principles of health-related fitness and F.I.T.T into their strength training programs. The students will continue to develop and improve their speed, agility and quickness while utilizing the sports-related fitness model. This course will expand on knowledge and skills learned from Total Fitness I, II and III courses. **This class requires students to change their clothes.**

## TOTAL FITNESS V

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Total Fitness I, II, III, and IV**

Total Fitness V is a participation-based course. This course provides students with an opportunity to build upon one's speed and strength training principles. Students will continue to develop and improve their speed, agility, and quickness skills. Students will learn Olympic lifts including multiple push press variations. This course will expand on knowledge and skills learned from Total Fitness I, II, III and IV courses. **This class requires students to change their clothes.**

## TOTAL FITNESS VI

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Total Fitness I, II, III, IV, and V**

Total Fitness VI is a participation-based course. This course provides students with an opportunity to build upon the speed and speed training principles. Students will continue to develop and improve their speed, agility, and quickness skills. Students will learn Olympic lifts including jerk and snatch; and develop their own strength program utilizing Olympic lifts. This course will expand on skills learned in Total Fitness I, II, III, IV and V courses. **This class requires students to change their clothes.**

## POST-SECONDARY PLANNING

<b>COURSE #</b>	<b>CLASS</b>	<b>GRADE</b>	<b>CREDIT</b>
1040/1041 1042/1043	CEO - Creating Entrepreneurial Opportunities A, B, C, D	11,12	4 terms, 2 cr.
2072	Freshman Seminar-Careers	9,10,11,12	1 term, .5 cr.
2073	Senior Transitions	12	1 term, .5 cr.

## CEO - CREATING ENTREPRENEURIAL OPPORTUNITIES A, B, C, D

**Four Terms    Grades 11, 12    Elective**

Creating Entrepreneurial Opportunities is a year-long course designed to utilize partnerships that provide an overview of business development and processes. School and local community business partners create project-based experiences for participants by providing funding, expertise, meeting space, business tours, and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own businesses. Business concepts learned through the experiential CEO class are critical; the 21<sup>st</sup> century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of a student's development through the course. **Placement in this course is determined through an application process. Students will attend this course off campus at various locations.**

## FRESHMAN SEMINAR-CAREERS

**One Term    Grades 9, 10, 11, 12 Required**

This class is designed to introduce students to career and life planning concepts and how to apply these to their own lives. Individualized assessments of student's interests and skills will be conducted to determine strengths and interests. Research in various occupations will give students a better understanding of skills and education needed for their own planning. Students will also research the college application process, admission requirements, cost of post-secondary education and the importance of applying for scholarships. The job application process will be conducted as will the interview.

## SENIOR TRANSITIONS

**One Term    Grade 12    Elective**

Is there life after high school? This course is designed to help you make plans for your future career. You will have time to research college options, fill out college or job applications, complete your FAFSA and apply scholarships in class. You will create a professionally appealing resume' and study job interview techniques. A mock interview will be done in class with a local businessperson, and you will use class time to complete a job shadow in an occupation of your choice. You will research your lifestyle choices and use them to create a personal budget that includes your college payback plan for life after you enter your career.

## SCIENCE

Course #	CLASS	GRADE	CREDIT
6011	Earth and Space Science	9	1 term, .5 cr.
6012	Environmental Science	9, 10, 11, 12	1 term, .5 cr.
6032	Astronomy	10, 11, 12	1 term, .5 cr.
6000 / 6001	Biology A&B	10, 11, 12	2 terms, 1 cr.
6004 / 6005	Chemistry A&B	10, 11, 12	2 terms, 1 cr.
6048	Meteorology	10, 11, 12	1 term, .5 cr.
6051 / 6052	AP Chemistry A&B	11, 12	2 terms, 1 cr.
6028	Genetics	11, 12	1 term, .5 cr.
6021	MN West Principles of Biology I	11, 12	2 term, 1 cr.
6008 / 6009	Physics A&B	11, 12	2 terms, 1 cr.

### EARTH AND SPACE SCIENCE

**One Term    Grade 9                      Required**

**Required for Class 2026 and beyond and students in earlier graduating classes who did not complete Physical Science A when it was offered.**

In Earth and Space Science, students will analyze data and information gathered from our planet and the universe. Students will use models and data to critically analyze the findings that lead to the understanding of the interior, the surface, and the age of planet Earth. In addition, they will explore the interactions between celestial bodies in the solar system and how we can use these celestial bodies to learn more about Earth and the formation of the Universe.

### ENVIRONMENTAL SCIENCE

**One Term    Grade 9, 10, 11, 12    Required**

**Required for Class 2026 and beyond and students in earlier graduating classes who did not complete Physical Science B when it was offered.**

**Prerequisite: Earth and Space Science or Physical Science A**

In Environmental Sciences, students will apply scientific reasoning to explain the patterns and processes that take place in nature and how they are modified by human activity. They will engage with describing environmental processes such as the hydrologic cycle and its impact on Earth's systems such as the rock cycle and climate. In addition, they will explore how human activity has altered these systems, predicted outcomes of these practices, and debated workable solutions for the sustainability of human life on Earth.

### GEOLOGY

**\*Offered every other year, next offered 2025-2026**

**One Term    Grade 9, 10, 11, 12    Elective**

**Prerequisite: Earth and Space Science or Physical Science A**

In Geology, students will use scientific methods to research the current state of planet Earth and make predictions about its past and evolution through time. Students will engage in rock and mineral identification, describing rock forming processes, reading, interpreting, and producing maps, explaining geologic events through observation, studying geomorphic features such as rivers, glaciers, volcanoes, deserts, and beaches, and analyzing fossils and rock formations as evidence of Earth's past. These topics will be explored through laboratory hands-on and field experiences while applying basic science skills.

### ASTRONOMY

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Earth and Space Science or Physical Science A**

This course is an introduction to the study of stars, galaxies, and cosmology. Includes the nature of light and matter, telescopes, solar systems, stellar formation and evolution, galaxies, dark matter and energy, and cosmology.

## **BIOLOGY A&B**

**Two Terms    Grades 10, 11, 12    Required**

**Prerequisite: Earth and Space Science or Physical Science A**

The course is designed to provide the student with an understanding of the chemical, functional, and structural characteristics of living organisms. Topics studied may include the structure and physiology of cells, tissues, and organs; ecology and population dynamics; reproduction, metabolism, and growth. Included, also, is the investigation of the major themes of biology: cell theory, evolution, and gene theory. Laboratory work is designed to develop an understanding of the scientific process, as well as an understanding of biological concepts. This course meets the high school biology requirement for graduation.

## **CHEMISTRY A&B**

**Two Terms    Grades 10, 11, 12    Meets Requirement**

**Prerequisite: Earth and Space Science or Physical Science A&B**

This course is designed to meet the needs of the student going directly to a career path or to postsecondary school where they may take college chemistry. We will be following the Chemistry Modeling curriculum based on the particle model of matter and how it has progressed to its current form. The topics addressed include Matter, Energy – Particles in Motion (Gases) & States of Matter (Thermodynamics), Describing Substances & Mixtures, Moles, Chemical Formulas, Chemical Reactions, Stoichiometry & Solutions, Periodicity, and Acids & Bases. These areas of chemistry will be explored both from a practical field as well as laboratory exploration. If students are considering a science related career, they could further their chemistry experience by taking AP Chemistry A&B. This course meets the Physics/Chemistry credit requirement for graduation.

## **METEOROLOGY**

**\*Offered every other year, next offered 2024-2025**

**One Term    Grades 10, 11, 12    Elective**

**Prerequisite: Environmental Science or Physical Science B**

This course focuses on the study of the atmospheric environment using current meteorological data. This class incorporates a holistic concept of Earth from oceanic, atmospheric, and terrestrial water problem-focused perspectives. It is also a course that investigates the mass and energy flows associated with the global water cycle, and with related issues. It will show how these concepts affect the weather and climate around us.

## **ADVANCED PLACEMENT CHEMISTRY A&B**

**Two Terms    Grades 11, 12    Elective**

**Prerequisite: Chemistry A&B**

**Recommended: Completion of or concurrently taking Algebra 2**

This is a rigorous laboratory course that studies matter and its interactions. It is designed for students who might want to get an early start on college chemistry or want to pursue a career in science, medicine, or engineering. The first half of this course will review and expand on chemistry basics learned in Chemistry A & B. AP Chemistry provides a comprehensive, college-level course in general chemistry. Topics covered include atomic structure, periodicity, chemical bonding, stoichiometry, gases, interparticle forces, chemical equilibrium, thermochemistry, chemical kinetics, acid/base reactions, and electrochemistry. Students will attain a depth of understanding of the fundamentals of chemistry and competence in dealing with chemical problems. Through in-depth treatments of qualitative and quantitative chemical principles, the course will emphasize chemical calculations and the mathematical formulation of principles. Laboratory work is where students learn about the behavior of matter through observation and hone their ability to discern the difference between observations/recorded data and the ideas, inferences, explanations and models or theories used to interpret them. This is a fast-paced chemistry course for the hard-working and highly motivated student.

## **GENETICS**

**One Term      Grades 11, 12                      Elective**

**Prerequisite: Biology A & B**

The course is designed to expand upon the Genetics unit introduced in the biology courses and to show the importance of Genetics in taking our understanding of humans to a new level. The goal is to make students aware of the complexity involved in designing organisms and to demonstrate both the fragility and sturdiness of the materials that make up our genomes.

## **MN WEST PRINCIPLES OF BIOLOGY I**

**Two Terms      Grades 11, 12                      Meets Requirement**

**Concurrent College Credit Course w/ MN West (4 college credits)**

**Qualifying students must: Take & meet requirements of the Accuplacer test. Juniors must be ranked in the top 1/3 of their class. Seniors must be ranked in the top 1/2 of their class.**

The successful completion of this course will earn you 4 credits through MN West Community College. Investigate fundamental principles of biology with special emphasis on the composition of living things and living systems, the chemistry of living things, natural selection, cell structure and function, metabolism emphasizing bioenergetics and biosynthesis, the cell cycle, and genetics. This course meets the high school biology requirement for graduation.

## **PHYSICS A&B**

**Two Terms      Grades 11, 12                      Meets Requirement**

**Prerequisite: Earth and Space Science or Physical Science A**

**Recommended: Completion of Algebra 2**

Physics is a course to provide a background necessary for college-bound students, especially those interested in science, engineering, or pre-med areas. It gives students an understanding of major concepts of physics in a laboratory setting. Physics Modeling Instruction is the curriculum we will follow, where students will actively construct conceptual and mathematical models in an interactive learning community. Topics included: forces, motion, electricity and various storage modes and transfer mechanisms of energy. This course meets the Physics/Chemistry credit requirement for graduation.

<b>SERVICE-LEARNING</b>
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CLASS	GRADE	CREDIT
School Office Assistant	11, 12	1 term, .5 cr.
Student Volunteer Service	11, 12	1 term, .5 cr.
Teacher Assistant	11, 12	1 term, .5 cr.

**If you are interested in a Service-Learning opportunity, please see your school counselor.**

**SCHOOL OFFICE ASSISTANT**

**One Term      Grades 11, 12              Elective**

Application must be submitted two weeks before registration. Keyboarding, business classes, and experience working with people will be useful. An interview will be required prior to approval to register for this course.

**STUDENT VOLUNTEER SERVICES-PEER TO PEER HELPER**

**One Term      Grades 11, 12              Elective**

Students can elect to volunteer within a classroom with high academic needs. This student would be responsible for assisting other students struggling academically under the supervision of a teacher. Students who enjoy helping others, utilizing skills and talents, and want to make a difference are encouraged to apply. To enroll in this course, a student must fill out the SVS-Peer to Peer Helper form. Students must include a teacher recommendation and a letter stating learning objectives. These items are due 2 weeks prior to registration each quarter. Students must also have a 95% attendance record, no unexcused absences, and a record of timely arrival to class. You must have administration approval along with approval from the teacher for a specific hour. Students can only enroll in this class once per year in their Junior and Senior years. Application available in the Student Services Office. Students will only receive a pass/fail for this class.

**TEACHER ASSISTANT**

**One Term      Grades 11, 12              Elective**

**Prerequisite:** MN West Introduction to Education, MN West Technology in Education

This course is designed to expose students to the educational experiences of a teacher in the classroom setting. Students will participate as a teacher's aide in a class of subject area of interest by helping them with the design and implementation of lesson plans, leading focus groups to enhance the learning process, and organizing and preparing the classroom/labs. In addition, students will experience the process of teaching, lesson planning, and assessment tool development under the supervision of the course instructor. This course can be taken multiple times.

## SOCIAL STUDIES

COURSE #	CLASS	GRADE	CREDIT
6507 / 6508	AP Human Geography 9A & B	9	2 terms, 1 cr.
6537	Geography 9	9	1 term, .5 cr.
6531 / 6532	AP World History: Modern A&B	10	2 terms, 1 cr.
6582	History vs. Hollywood	10, 11, 12	1 term, .5 cr.
6581	The Latino American Story	10, 11, 12	1 term, .5 cr.
6566 / 6567	World History A&B	10	2 terms, 1 cr.
6518	Economics	11, 12	1 term, .5 cr.
6533 / 6534	Psychology A&B	11, 12	2 terms, 1 cr.
6520	Sociology	11, 12	1 term, .5 cr.
6501 / 6502	U.S. History A&B	11	2 terms, 1 cr.
6560	American Government	12	1 term, .5 cr.

### ADVANCED PLACEMENT HUMAN GEOGRAPHY A&B

**Two Terms    Grade 9                      Required**

**(This course is for recommended students and will be taken instead of 9<sup>th</sup> grade Geography.)**

Advanced Placement (AP) Human Geography is an introduction to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. In this course students will focus on the distribution, processes, and effects of human populations on the planet. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Emphasis is placed on geographic models and their applications. Case studies from around the globe are compared to the situation in both the United States and local areas.

### GEOGRAPHY 9

**One Term    Grade 9                      Required**

Geography is the study of the earth's physical features and the living things, humans, animals, and plants that inhabit the planet. Geography looks at where all these elements are located and how they relate to one another. In this course students will gain an understanding of what geography is and why it is important to study it. In addition, selected geographic skills will be covered, including latitude and longitude determination, earth-sun relationships, climate, time, map projections and map scale.

### ADVANCED PLACEMENT WORLD HISTORY: MODERN A&B

**Two Terms    Grade 10                      Required**

**This course will fulfill the .5 required credit for World History A&B.**

**Students who have successfully completed AP World History A&B meet the World History required credit.**

This course focuses on developing students' understanding of global history from 1200 CE to the present through analysis of significant events, people, and processes across six themes, such as governance, culture, and economic systems. Students build critical thinking skills by analyzing sources, making connections, and crafting arguments, preparing them for the AP exam and potential college credit. This course is ideal for students seeking a challenging, fast-paced alternative to regular World History, with an interest in exploring global connections and developing advanced analytical and writing skills.

### HISTORY VS. HOLLYWOOD

**One Term    Grade 10, 11, 12                      Elective**

This course examines the accuracy of popular Hollywood historical films. It will involve the study of significant historical events, and how they are represented in movies. Like written history, contemporary Hollywood feature films are interpretation of their society. History vs. Hollywood will teach students to develop an understanding of the relationship between cinema and American popular culture. All films are rated G, PG, PG-13, or R. A signed parental consent form, indicating parental approval, must be turned in before movies are viewed.

## **THE LATINO AMERICAN STORY**

**One Term    Grade 10, 11, 12    Elective**

This course traces the journey of Latinos in the United States, 1500's to present time. It follows a chronological study of the people, politics, and culture of Latin American societies from Spain, Mexico, Puerto Rico, and the countries of Central and South America. Our journey will study the historical accounts and personal stories, from the legacy of colonialism to the development of national identities, to tradition and reinvention, to the modern political and racial anguish and celebration. Our journey's end will celebrate the cultural diversity and complexities of the Latin American Story.

## **WORLD HISTORY A&B**

**Two Terms    Grade 10    Required**

World History A and B together provide a comprehensive exploration of the key people, events, and developments that shaped the world from 3500 B.C. to the mid-1900s.

In **World History A**, students will study ancient civilizations, including Mesopotamia, Greece, and Rome, the rise of major religions, the growth of eastern and western empires, and transformative events such as the Crusades and the 100 Years' War. Emphasis is placed on understanding the foundations of global cultures and trade networks that connect the ancient world.

In **World History B**, the focus shifts to the early modern and modern eras, covering the Age of Exploration, the global impacts of the Atlantic Slave Trade, the Enlightenment, and revolutionary movements. Students will also explore the Industrial Revolution, the rise of democracy, imperialism, nationalism, and the complex legacies of colonization. Connections between historical events and the modern world are emphasized throughout the course.

## **ECONOMICS**

**One Term    Grade 11, 12    Required**

This course will provide students with the basic concepts and principles of both microeconomics and macroeconomics. Students will develop an understanding of the U.S. free enterprise system and compare it to other economic systems. Students will learn how economics is an important part of their everyday lives.

## **PSYCHOLOGY A&B**

**Two Terms    Grades 11, 12    Elective**

Introduction to Psychology is the scientific study of human behavior. This course explores how human behavior can be studied; biological, social, and environmental influences on human behavior; predictable ways of behaving, reasoning, remembering, and feeling; and ways in which humans differ. Major units of study include the biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health.

## **SOCIOLOGY**

**One Term    Grades 11, 12    Elective**

Sociology is the scientific study of human social activity. In the popular nature vs. nurture debate, Sociologists emphasize "nurture" over "nature" when explaining individual and group behavior. This course is designed to help you better understand how your environment has impacted you, and thus how you have impacted it. Class time will be spent through lectures, class discussions, videos, readings and possibly discussion panels. In addition to participating in class, you will also be assigned worksheets from time to time, as well as nightly readings from your textbook. Tests will be multiple choice, short answer and/or essay. Topics that we will be covering include History and Methodology of Sociology, culture, socialization, Social and Global Stratification, Race and Ethnicity. We will be watching one movie and reading one movie and reading one novel related to these topics.

## **U.S. HISTORY A&B**

**Two Terms    Grade 11    Required**

This is a comprehensive study of the cultural, social, economic, political, and technological forces that have shaped the development of our country into its present state. The study begins with a review of colonial times leading up to the Revolution, The Revolutionary War, foreign and domestic policies of the 1800's, the Civil War and Reconstruction, and the rise of the Industrial Age. From that point, a more intensive study will occur as students learn about U.S. history from the Progressive Era up through the Vietnam War, to the present time.



## AMERICAN GOVERNMENT

**One Term    Grade 12                      Required**

**Prerequisites: U.S. History A&B**

This class examines the structure and function of the institutions of American government. Units and topics covered include the Articles of Confederation, the Bill of Rights, development of political parties, elections, Congress, Presidency, Supreme Court, and other federal courts, state government, county, and local government. Comparisons with other forms of democratic and autocratic governments will be made.

## WORLD LANGUAGE

COURSE	CLASS	GRADE	CREDIT
3000/3001	German 1 A&B	9, 10, 11, 12	2 terms, 1 cr.
3002/3003	German 2 A&B	9, 10, 11, 12	2 terms, 1 cr.
3010/3011	Spanish 1 A&B	9, 10, 11, 12	2 terms, 1 cr.
3012/3013	Spanish 2 A&B	9, 10, 11,12	2 terms, 1 cr.
3004/3005	German 3 A&B	10, 11, 12	2 terms, 1 cr.
3007/3008	German 4 A&B	10, 11, 12	2 terms, 1 cr.
3014/3015	Spanish 3 A&B	10, 11, 12	2 terms, 1 cr.
3017/3018	Spanish 4 A&B	10, 11, 12	2 terms, 1 cr.
3019/3020	Spanish for Heritage Speakers/Learners 1	11, 12	2 terms, 1 cr.
3025/3026	Spanish for Heritage Speakers/Learners 2	11, 12	2 terms, 1 cr.

### GERMAN 1 A&B

**Two Terms    Grades 9, 10, 11, 12    Elective**

German 1 is a course to develop a novice level of fluency in listening, speaking, reading, and writing and to develop an appreciation of the culture. The TPRS method of language instruction will be used. Multi-media units on German culture and excerpts from various works will also be used. The course is for beginning German students.

### GERMAN 2 A&B

**Two Terms    Grades 9, 10, 11, 12    Elective**

German 2 is a course structured to increase fluency in listening, speaking, reading, and writing skills, and to continue the appreciation of the German culture. The TPRS method of language instruction will be used. German literary works, multi-media cultural units, and materials related to the history of Germany will also be used. The course is for students who have completed German 1 and achieved a C or above.

### SPANISH 1 A&B

**Two Terms    Grades 9, 10, 11, 12    Elective**

Spanish 1 is a course to develop a novice level of fluency in listening, speaking, reading, and writing and to develop an appreciation of the culture. The TPRS method of language instruction will be used. Multi-media units on Hispanic culture and excerpts from various works will also be used. The course is for beginning Spanish students. If Spanish is the home language, a placement test is required PRIOR to registering for Spanish I.

### SPANISH 2 A&B

**Two Terms    Grades 9, 10, 11, 12    Elective**

Spanish 2 is a course structured to increase fluency in listening, speaking, reading, and writing skills, and to continue the appreciation of the Hispanic culture. The TPRS method of language instruction will be used. Hispanic literary works, multi-media cultural units, and material related to the history of Hispanics will also be used. The course is for students who have completed Spanish 1 and achieved a C or above. This course is not intended for native speakers.

**GERMAN 3 A&B****Two Terms    Grades 10, 11, 12    Elective**

German III is a course to build fluency in the areas of listening, speaking, reading, and writing. Students will work toward the goal of intermediate-low in the ACTFL proficiency guidelines. The TPRS method of language instruction will be used. Materials will also include short novels and other cultural and literary works. This course is only for students who have completed German 1 and 2 and achieved a C or above in German 2.

**GERMAN 4 A&B****Two Terms    Grades 10, 11, 12    Elective**

German IV emphasizes the usage of advanced concepts and idioms, a variety of literary forms, short stories, dramas, artists, and current events. Students will continue to work toward the goals of intermediate-low on the ACTFL proficiency guidelines. The TPRS method of language instruction will be used. The course is for students with German I, 2, and 3 as background and recommended for those who obtained a C or higher as a final grade.

**SPANISH 3 A&B****Two Terms    Grades 10, 11, 12    Elective**

Spanish 3 is a course to build fluency in the areas of listening, speaking, reading, and writing. Students will work toward the goal of intermediate-low on the ACTFL proficiency guidelines. The TPRS method of language instruction will be used. Materials will also include a short novel and other cultural and literary works. This course is only for students who have completed Spanish 1 and 2 and achieved a C or above in Spanish 2. This course is not intended for native speakers.

**SPANISH 4 A&B****Two Terms    Grade 10, 11, 12    Elective**

Spanish IV emphasizes the usage of advanced concepts and idioms, a variety of literary forms, short stories, dramas, artists, and current events. Students will continue to work toward the goals of intermediate-low on the ACTFL proficiency guidelines. The TPRS method of language instruction will be used. The class is for students with Spanish I, II, and III as background and recommended for those who obtained a C or higher as a final grade. This course is not intended for native speakers.

**SPANISH FOR HERITAGE SPEAKERS/LEARNERS 1 A&B****Two terms    Grades 11, 12    Elective**

This class is designed for students who can already speak Spanish but have little or no ability reading or writing it. The focus will be on spelling, accentuation, grammar, reading, writing etc. Materials will include readings from current Hispanic authors, periodicals, children's books, novels, and the text series.

**SPANISH FOR HERITAGE SPEAKERS/LEARNERS 2 A&B****Two terms    Grades 11, 12    Elective****Prerequisite: Spanish for Heritage Speakers/Learners 1 A & B**

This class is designed for students who can already speak Spanish but have little or no ability reading or writing it. The focus will continue to be on spelling, accentuation, grammar, reading, writing etc. Materials will include readings from current Hispanic authors, periodicals, children's books, novels, and the text series. This course is for students who have completed Spanish for Heritage Speakers/Learners 1 A & B and achieved a C or better.

## POST SECONDARY ENROLLMENT OPTION PROGRAM

1. At MN West Technical & Community College, to be considered for the program, a 12<sup>th</sup> grade student must be in the top 50% of his/her class; a student in 11<sup>th</sup> grade needs to be in the top 33% of his/her class. Your rank may change depending on what your cumulative GPA is at the end of each semester. A 10<sup>th</sup> grade student may enroll in a career or technical course if all other criteria are met.
2. You will need to register for PSEO for each semester separately. This will be done **THROUGH A COUNSELOR** in the Student Services Office. You will meet with a college counselor to choose the classes you will take at the college as a PSEO student.
3. You must make your PSEO course selections work within the high school schedule. You will not be allowed to come late to high school classes nor leave early to be enrolled at the college. Daytime college classes start on the hour and end about 5 minutes before the hour.
4. You do need parental approval to participate in the PSEO program.
5. You will need to make certain that you have enough credit to satisfy high school graduation requirements. **KEEP IN MIND THAT 4 COLLEGE CREDITS ARE EQUIVALENT TO 1 HIGH SCHOOL CREDIT.**
6. You are responsible to know the daily activities at the High School. For example, dates for ordering graduation announcements or information about scholarships, yearbook photos, etc.
7. Attendance and successful completion of college classes are the student's responsibility. The high school counselors will not check-up on your progress in college classes.
8. **It is your responsibility to do all the paperwork each semester, secure the proper books from the bookstore, and review your credits each semester. Students must return their PSEO books to the college at the end of each semester.**
9. All transportation between the college and the high school is your responsibility.
10. For purposes of calculating GPA for graduation, honors, etc., all PSEO classes through the **FIRST SEMESTER** of the senior year will be included along with all high school grades.
11. **IT IS MANDATORY THAT STUDENTS MEET WITH THE HIGH SCHOOL COUNSELOR IN CHARGE OF PSEO BEFORE REGISTERING FOR THIS PROGRAM!** Students and a parent/guardian must attend a PSEO information session at WHS to participate in the program.