

# 2023-2024

COURSE REGISTRATION GUIDE

## Lewiston-Altura High School



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# Graduation Requirements

## Course Requirements

Students must take 8 credits of classes each year for 4 years for a total of 32 credits. Some of these classes are REQUIRED classes and some are ELECTIVE classes. Diploma credit requirements are 30 credits:

### Required Classes (19 credits)

#### English (4 credits)

- Four credits of English classes including English 9, English 10, English 11 or English 12.

#### Social Studies (4 credits)

- Four credits of social studies classes including Social Studies 9, Social Studies 10, Social Studies 11 or Concurrent Enrollment World History (Ancient or Modern), and Social Studies 12.

#### Science (3 credits)

- Three credits of science including Science 9, Biology, and Chemistry or Physics.

#### Math (3 credits)

- Three credits of math courses including Math 9, Geometry, and one additional credit in Algebra II or Technical Math.

#### Fine Arts (1 credit)

- One full credit is required in Media Arts, Music, or Visual Arts. All courses offered in the Art and Music Departments apply to this requirement. Other Media Arts offerings that can help fulfill this requirement include Broadcast Technology, Graphic Communications, Web Page Design, and Yearbook.

#### Physical Education / Health (2 credits)

- Two credits of physical education and/or health classes including P.E. 9 (.5 credits) and Health 10 (.5 credits) which are required and 1 additional credit of elective physical education and/or health classes.

#### Career Education (1/2 credit)

- One half credit of career education, Career Investigation

#### Career and Technical Education (Business, Technology Education/Industrial Technology, and Agriculture)

- One and one half credits of Career and Technical Education classes, and students must have courses from at least two of the three fields listed above.

### Elective Classes (11 credits)

Students may choose classes from the curriculum handbook to fulfill the elective credit requirement.

# COMMON REQUIREMENTS FOR FOUR YEAR COLLEGES

## Four-Year Universities (University of Minnesota) and private colleges in Minnesota:

**Four credits of English** – with an emphasis on writing, including instruction in reading and speaking skills and in literary understanding and appreciation.

**Three credits of Mathematics** – including one year each of Algebra 1, Geometry and Algebra 2. The University of Minnesota requires 4 years of mathematics.

**Three credits of Science** – including one year each of biological and physical science and including laboratory experience.

**Three credits of Social Studies** – including one year each of geography (or a combination of courses incorporating geographic studies, e.g., world history, western civilization, Latin American studies, etc.) and U.S. History.

**Two credits of a single second language**

**One credit of visual and/or performing arts**, including instruction in the history and interpretation of the art form (e.g., theater arts, music, band, chorus, orchestra, drawing, painting, photography, graphic design, etc.).

### Minnesota's Private Colleges

The strongest candidates for college admission have taken four years of English (with an emphasis on writing); at least three years of mathematics; three or more years of science (including at least one year of laboratory science); and three or more years of social science. Students also should take two or more years of a foreign language and several courses in the core areas.

# COLLEGE IN THE SCHOOLS OPTIONS

## CONCURRENT ENROLLMENT COURSES

Concurrent enrollment provides high school students the unique opportunity to earn college credits through freshmen-level courses taught in the high school by credentialed high school instructors mentored by college faculty. Students earn the same grade on a college transcript that they earn in the class with no test to take. Individual courses may have additional prerequisites.

### Student Qualifications

**Juniors** - GPA of 3.0 or minimum test score from one of the below tests:

1. Accuplacer Reading Comprehension score of 78 or higher\*
2. ACT Reading score of 21 or higher\*
3. MCA Reading score of 1047 or higher\*
4. SAT Reading/Writing Composite score of 480 or higher\*

**Seniors** - GPA of 2.5 or minimum test score from one of the below tests:

- Accuplacer Reading Comprehension score of 78 or higher \*
- ACT Reading score of 21 or higher\*
- MCA Reading score of 1047 or higher\*
- SAT Reading/Writing Composite score of 480 or higher\*

Students must determine if they are seeking credit or not in the first week of the course. Students will need to register with the university, which will be done in class in order to create a transcript.

**Winona State University Concurrent Enrollment Courses:** Careers in Education

**Minnesota State College Southeast Concurrent Enrollment Courses:** Ancient World History and Modern World History

## ADVANCED STANDING AGREEMENTS

An Advanced Standing Agreement is an agreement between high schools and technical colleges. These agreements provide juniors and seniors the opportunity to earn credits at Minnesota State College Southeast in Red Wing/Winona. Students need to earn at least a 'B' in sciences course or a 'C' in non-science courses in order to obtain technical college credit. LAHS has agreements for the following courses.

1. Local Articulation for English 12 Meets Requirements for English 0518/0528
2. Local Articulation for Algebra II Meets Requirements for Algebra course Math 1025 (2 Credits)
3. Local Articulation for Architectural Drafting and Design Meets Requirements for MDAD Elective (1 Credit)
4. Local Articulation for New Product Development Meets Requirements for MDAD Elective (1 Credit)
5. Local Articulation for Metals Meets Requirements for MDAD Elective (1 Credit)
6. Local Articulation for Wood Technology Meets Requirements for Carp 1100 Cabinetry 1 (2 Credits)
7. Local Articulation for Construction Trades Meets Requirements for the following programs:
  - a. Carp 1105 Residential Construction 1 (2 Credits)
  - b. MDAD Elective (3 Credits)
8. Local Articulation for Ag Welding 1 or 2 Meets Requirements for MDAD Elective (3 Credits)
9. Local Articulation for Ag Welding 1or 2 Meets Requirements for the following courses:
  - a. WELD 1455 Trades Enhancement Welding (3 Credits)
  - b. WELD 1442 Individualized Welding Skills (2 Credits)

## ADVANCED PLACEMENT CLASSES

Juniors and seniors are eligible to take Advance Placement (AP) classes. AP classes are designed to provide high school students the opportunity to earn college credit, while attending high school. The classes are at the level of a college freshmen course. College credit is issued to students based on the results of an exam given in May of each year. Student's work is scored on a 1-5 scale. Students must earn a score of 3, 4 or 5 to receive college credit. All AP courses require additional work. The following AP classes have been offered at Lewiston-Altura High School, depending on student interest. Classes may be offered on an alternating year basis. Course descriptions are provided in the curriculum section of this book.

1. Advanced Placement Calculus
2. Advanced Placement Statistics

## POST SECONDARY ENROLLMENT OPTIONS PROGRAM

The **Post-Secondary Enrollment Options (PSEO) Program** is the program established by Minnesota State Statutes 124D.09 to "promote rigorous educational pursuits and provide a wider variety of options for students." Through PSEO, 10th, 11th and 12th grade high school students may earn both high school and college credit for college-level courses completed on a college campus, at a high school, or online. Student interested in Post-Secondary Options should contact the guidance counselor. Students need to register with the counselor prior to May 1 in order to be considered for the next school year.

## INDEPENDENT STUDY CLASSES

Classes that are offered outside of the curriculum are referred to as Independent Study classes. Independent Study classes are not meant to replace the present curriculum but to help students in two different capacities.

- A. Independent Studies are offered, with the consent of the teacher, for the purposes of strengthening areas of special interests in which the student has exhausted the depths of the curriculum offerings as listed in the Registration Guide.
- B. Independent Studies are offered to students, who for several different reasons, have not been able to complete graduation requirements.

The following are some guidelines that students must follow when thinking about applying for an Independent Study:

1. **Seniors only.**
2. At least an **A** student in their interest area.
3. Seniors cannot take more than (1) class per semester of an Independent Study; and may not exceed 1 credit for the year.
4. Independent Studies must be approved by a member of ISD 857 Certified Staff.
5. Faculty members cannot teach Independent Studies in areas in which they are not licensed.
6. Independent Studies can be granted at the discretion of the teacher involved and with the permission of both the counselor and principal.
  - Course objectives and guidelines must be written and approved by the principal.
  - Evaluations must occur regularly.
  - Weekly contact must take place with the student.
7. Final approval (after #6) granted by the principal.

## TEACHER ASSISTANTS

Teacher Assistant positions are offered outside of the curriculum. The following guidelines must be followed when applying for one of these positions:

1. Seniors only.
2. At least an A or B student in the course the teacher will be instructing.
3. Seniors cannot take more than 1 credit of TA per year.
4. Teacher's Assistant must be approved by a member of ISD 857 Certified Staff.
5. Teacher's Assistants can be granted at the discretion of the teacher involved and with the permission of both the Counselor and the Principal.
  - a. TA objectives and guidelines must be written and approved by the Principal.(Include with this form)
  - b. Evaluations must occur regularly.
  - c. Daily contact and supervision must take place with the student.
6. Final approval (after #6) granted by the Principal.

# CAREER CONNECTIONS

This course-to-career resource guide should be used to help you choose the elective courses that will be most useful for you in your chosen career cluster. Your first step is to choose the career cluster that best matches your interests and abilities. Next, select your elective courses from those underneath that cluster's heading. Taking these specific classes will help you succeed in your chosen career area, and help you make the connection from learning to earning. Families can visit the programs of study website for a more in depth guide: [www.mnprogramsofstudy.org](http://www.mnprogramsofstudy.org)

<i>Arts, Humanities &amp; Communications</i>	<i>Business Management &amp; Administration</i>	<i>Health Services</i>	<i>Human Services</i>	<i>Engineering, Manufacturing &amp; Technology</i>	<i>Agriculture &amp; Natural Resources</i>
Drawing	Marketing	Emergency Medical Responder and Athletic Training	Sociology	Ag. Welding Technology I	Animal Science I
Painting	AP Statistics	Lifetime Sports	Current Events	Advanced Ag. Welding Technology	Animal Science II
Ceramics	Accounting	Career Planning	Career Planning	Ag Mechanics	Ag Mechanics
Printmaking	Business Management	Conceptual Physics	Algebra 2	Intro to Technology	Dairy Science
Spanish I, II, III	Concurrent World History	Weight Training	Personal Wellness	Architectural Drafting and Design	Business Management
Concurrent World History	Yearbook	Anatomy and Physiology	CLEP Psychology	Wood Technology	Crop Management Science
Yearbook	New Product Development	Chemistry	Emergency Medical Responder	Furniture Construction	Wildlife Studies
Creative Writing	Investigating Careers	Sociology	Sociology	Construction Trades	Ag. Welding Technology II
Film Studies	Consumer Math	Algebra I	Athletic Training	Metals	Ag. Welding Technology I
Reading/Writing Skills	Career Planning	Algebra II	AP Statistics	New Product Development	Astronomy
Band	Algebra I	Advanced Math		Chemistry	Intro to Ag
Choir	Algebra II	AP Calculus		Physics	Landscaping I
Sociology	Advanced Math				Anatomy & Physiology
	AP Calculus				Chemistry
					Meteorology

# LAHS COURSE OFFERINGS

## AGRICULTURE SCIENCE & TECHNOLOGY

### **Agricultural Exploration (Intro to Ag 9):**

Grades 9, 10, 11, 12

Elective

½ Credit

The purpose of this class is to introduce the student to the wonderful world of agriculture. Students will be introduced to all facets of the agriculture industry including: animal and plant industry, renewable energy, agribusiness, food science, landscaping and agriculture mechanics.

### **Ag Mechanics**

Grades: 9, 10, 11, 12

Elective

½ Credit

Regional Articulation Agreement

This course will deal with the operation and repair of a small gasoline engine. You will learn the various parts, what they look like, how they work, and how you repair/replace those parts. Identification and use of the proper tools that are used in the disassembling and assembling of a small gas engine are learned during this course. Approximately ½ of the class is taught in the classroom, while the last ½ is spent in the shop disassembling and assembling engines that are provided for you. So if you like hands-on learning and consider yourself a do-it-yourselfer, then here is class you will enjoy.

Additionally, this is an introduction to basic principles of electricity and electrical wiring problems. Students will have the opportunity to learn the use of electrical equipment, types of wire, electrical hardware and various wiring of electrical circuits and controls.

### **Ag. Welding Technology I:**

Grades: 10, 11, 12

Elective

½ Credit

Regional Articulation Agreement:

*\* Must take Intro to Welding & Metal Fabrication and Advanced Welding & Metal Fabrication to meet Articulation Agreement*

This course is designed to give you an introduction into the world of welding. During this class you will learn the safe operation of welding equipment as well as how to weld using Oxyacetylene, MIG (Wire Welding), SMAW (Arc Welding), Oxy Cutting, and Plasma Cutting practices. Students will spend approximately 4 weeks in the classroom learning about the welding process. The remaining 4 weeks will be spent applying various welding & fabrication skills that the student learned in the ½ of the class. Upon completion of this class the student will be proficient in the welding safety, uses and welding skills of the areas of covered in this class.



### **Ag. Welding Technology II:**

Grades: 10, 11,12

Elective

Prerequisite: Intro to Welding & Metal Fabrication

½ Credit

Regional Articulation Agreement:

*\*Must take Intro to Welding & Metal Fabrication and Advanced Welding & Metal Fabrication to meet Articulation Agreement*

This course is a continuation of Intro to Welding & Metal Fabrication. In this class students will be using GMAW (wire feed welding) and other various welding operations to perform assignments along with their own projects. The main focus of this class is for students to make their own projects using the welding skills that they developed the previous welding class along with this class. It is estimated that ¼ of the time will be spent in the classroom the remaining ¾ out in the shop working on projects.

### **Animal Science I:**

Grades: 10,11, 12

Elective

½ Credit

Regional Articulation Agreement:

**Potential to become College in the Schools (CIS) Animal Science Credit = 4 U of MN Credits**

This course will deal with large farm related animals such as beef, swine, sheep and horse production. Many topics will be dealt with in each of these areas ranging from health issues to the industry as a whole for each species. Students shall gain a better understanding of the basic principles of each breed and a better understanding of the livestock industry and how it affects your everyday life. Be prepared for labs and field trips to see what you have learned firsthand.

### **Animal Science II:**

Grades: 11, 12

Elective

Prerequisite: Animal/Vet Science

½ Credit

Regional Articulation Agreement:

*\* Must take both Animal/Vet Science & Advanced Animal/Vet Science to meet Articulation Requirement*

If you like learning is a class that is lab based, then this class is for you. Topics will include meat science, alternative livestock production, animal health & biosecurity, animal feedstuffs and animal selection. The foundation of all discussion and labs revolve around how these topics effect and all students. Students will participate in various labs such as “How to tell which is the best steak” we grill and then feast! Labs will be in the classroom and at additional facilities within the district. This class covers all animal species: domestic and wild. Job shadowing opportunities will exist for students who have a serious interest in an animal science career.

### **Crop Management Science:**

Grades: 9,10,11,12

Elective

½ Credit

Regional Articulation Agreement:

This course will deal with the concepts of crop production, soils, and environmental sciences. An understanding of agricultural systems and how they affect everyone’s lifestyle from the kid who lives and works on a farm, to the student that has never rode in a tractor. Also, this class will explore the ever-changing world of biofuels and how they affect your everyday life as consumers of energy to the food that you eat. With the aid of the schools crop field, the class will spend time outside in a learning lab setting.

**Dairy Science:**

Grades: 10,11, 12

Elective

½ Credit

This course will deal with a wide variety of topics related to dairy cattle production. Some topics that we will be discussing are herd management practices, genetics, nutrition, diseases & treatments, and dairy products & manufacturing. In this course you will also take field trips to see different dairy operations, as well as processing facilities as time allows. If you like cheese and ice cream, you will get a chance to make your own creations as well as learn about milk from cow to your fridge/freezer then this class is for you!

**Landscaping/Horticulture:**

Grades: 9,10,11,12

Elective

½ Credit

If you are a hands-on learner and love being outside, then this class is for you. You will have the opportunity to use the newest landscape design software (Pro Landscape 3D) as well as spend time outside getting your hands dirty in the construction of a working project.

## ART

### **Ceramics**

Grades 10, 11, 12

Elective

½ Credit

This course is designed for the beginning ceramics student who may not have prior art-making experience with clay as a medium. Students will gain experience in various hands-building techniques (including pinch, coil, and slab construction, modeling, and glazing) and produce several finished pieces to demonstrate understanding and appreciation of ceramics as an art form and means of expression. Students will gain knowledge about ceramic art and artists in the context of American History. Emphasis is placed on the development of skills, otherwise referred to as “craftsmanship.” To express ideas or feelings with some degree of sophistication, craftsmanship is required, much as vocabulary and grammar is to the writing process. Wheel-thrown pottery is not included in this course.

### **Advanced Ceramics**

Grades 11, 12

Elective

½ Credit

**Prerequisites:** Students entering Advanced Ceramics must have successfully completed Ceramics with a grade of no less than an “A.” Students must have demonstrated a serious commitment to excellence and personal growth.

This course is geared to the student who is motivated to undertake ambitious work in clay and further their understanding of ceramic art as a means of artistic expression. Using the skills previously developed, students will refine techniques and proficiency in working with clay (a proficiency in essential ceramic skills is assumed). Student work must reflect well thought-out and ambitious planning. Students will explain or justify themes and aesthetic decisions, making connections to art history whenever possible.

### **Drawing**

Grades 9, 10

Elective

½ Credit

Students will explore different approaches to drawing while applying the elements of art and principles of design to develop skills and sensitivity to line, shape, texture, value, and composition. A variety of mixed media and drawing techniques will be explored. Students will be expected to develop technical skills and their own styles of drawing.

### **Advanced Drawing**

Grades 11, 12

Elective

1 Credit

**Prerequisites:** Students entering advanced Drawing must have successfully completed Drawing with a grade no less than an “A.” Students must have demonstrated a serious commitment to excellence and personal growth.

This course is geared to the student who is motivated to undertake ambitious work in Drawing and further their understanding of Drawing as a means of artistic expression. Using the skills previously developed, students will refine techniques and proficiency in working with drawing tools (a proficiency in essential drawing skills is assumed). Student work must reflect well-thought-out and ambitious planning. Students will explain or justify themes and aesthetic decisions, making connections to art history whenever possible.

### **Painting**

Grades 10, 11, 12

Elective

1 Credit

Prerequisite: Drawing

Students will explore different approaches to painting and painting techniques using a variety of media. Emphasis will be placed on the elements of art and design with an emphasis on color and composition. Students will develop technical skills and personal style. A variety of subject matters will be explored.

### **Advanced Painting**

Grades 11, 12

Elective

1 Credit

Prerequisites: Students entering advanced Painting must have successfully completed Painting with a grade no less than an "A." Students must have demonstrated a serious commitment to excellence and personal growth.

This course is geared to the student who is motivated to undertake ambitious work in painting and further their understanding of painting as a means of artistic expression. Using the skills previously developed, students will refine techniques and proficiency in working with paint (a proficiency in essential painting skills is assumed). Student work must reflect well-thought-out and ambitious planning. Students will explain or justify themes and aesthetic decisions, making connections to art history whenever possible.

### **Printmaking**

Grades 10, 11, 12

Elective

½ Credit

Prerequisite: Drawing

Printmaking is the art of producing multiple images of a drawing or design. This course will familiarize the student with the print as a series of original or identical images which are produced from a plate or block. An in-depth study of how materials from drawing, painting, and printmaking can be combined to create new art forms will be explored. Students will be acquainted with the history of printmaking and view work by contemporary artists as they develop an experimental approach to thematic projects.

### **Web Design**

Grades 11, 12

Elective

½ Credit

This course presents introductions to many of the basic concepts, issues and techniques related to designing works of art on, or with a computer. Software exploration will include Microsoft Paint and Paint 3D programs, Adobe Suite programs such as Illustrator and Photoshop, XaoS and TieraZon Fractal art. Students will also develop their own Web site after learning the basics for creating a site using online software.

## **Yearbook**

Grades 9, 10, 11, 12

Elective

1 Credit

This course is designed to teach the skills necessary to produce the school yearbook, which offers a complete record of an entire school year. The year begins by planning the coverage for the school year and designing a unifying theme for the book. Students will study magazine journalism, including layout and design techniques, writing, and editing copy, and headlines and picture captions. This course provides the study of, and practice in gathering and analyzing information, interviewing, note taking and photography. Students will learn strategies of planning, marketing (ad sales), and distribution of the yearbook. Students will learn proofing strategies and work independently with photographers. At times, deadlines require that staff members work after school, on weekends, and holidays. Students will learn excellent work habits and are responsible for all phases of the yearbook publication.

## BUSINESS

### **Accounting**

Grades 10, 11, 12

Elective

½ Credit

Students will learn how businesses keep accurate financial records and the importance of doing so. A double-entry accounting system of debits and credits is used. Students will work to develop an accounting system for a service business. College bound students interested in pursuing a degree in accounting or majoring in another business field will benefit from this class. General accounting principles are a requirement for all students pursuing a degree in a business-related field at a technical college, two-year college, or a four-year college. Information learned can also be valuable for personal money management.

### **Marketing**

Grades 10, 11, 12

Prerequisite: Introduction to Business and Entrepreneurship

Elective

½ Credit

Students in marketing class will take an in-depth look at the many facets of the business world and they will learn how marketing is part of successful business practices. Students will examine owning or managing a business. They will learn marketing strategies and put them into practice by marketing a product for that business. Students will maintain financial records for the business and analyze the many costs involved in business operations. Personnel management procedures will be taught so students will learn to successfully work with or manage co-workers and interact with customers.

### **Introduction to Business and Entrepreneurship**

Grades 10, 11, 12

Elective

½ Credit

This introductory business course is perfect for students considering the business field. Students will learn the characteristics of a successful entrepreneur. They will learn about customers, competition, and pricing of products. The different forms of ownership will also be explored and along with those the personnel, financial and legal issues that affect business ownership. Students will be exposed to the different fields within business including marketing, accounting, human resources and economics.

### **Personal Finance**

Grade 11, 12

Elective

½ Credit

In this class, students will be introduced to personal finance terminology and learn sound buying principles. Students will learn about managing money using checking accounts, savings accounts, credit cards, debit cards and loans. Insurance options and investment options will be explored. The students will also learn the basic processes involved in renting or buying a home. Students will analyze budgets and create plans for making major purchases.

### **Personal Finance 2: Finance and Investing**

Grade 11, 12

Prerequisite: Personal Finance

Elective

½ Credit

Course Description:

Welcome to Finance and Investing! In this class, students will develop financial literacy knowledge and skills to prepare them for retirement. Students will learn essential personal finance principles like how to budget, save, avoid debt, invest and how to be a wise customer. Topics will include saving, investment options (stocks, bonds, real estate, etc.), selecting and using credit options, financial problem solving and decision making, banking organization service options, and managing risk through insurance. Stock market simulations and financial management simulations will be used.

### **Business Management & Leadership**

Grade 10, 11, 12

Prerequisite: Introduction to Business and Entrepreneurship

Elective

½ Credit

This course introduces the processes and activities involved in business. It provides core content applicable to all aspects of business and encompasses the practical application of management theory. Students will be introduced to the fundamental management theory. Students will be introduced to the fundamental management functions including planning, organizing, leading and controlling from multiple perspectives. Students will also explore various leadership styles.

## CAREER EDUCATION

### **Investigating Careers**

Grade 9, 10, 11, 12

Elective

½ Credit

This course provides students the opportunity to investigate potential careers. Students will look into personal strengths and compare those with career requirements, the educational needs and career benefits while looking at potential career paths for their future.

### **Career Planning**

Grade 10, 11, 12

Elective

½ Credit

This course provides an opportunity for students to explore three main areas of career planning. Student will learn how to make informed and appropriate career decisions based on individual strengths and current job trends. They will explore traditional vs. nontraditional career choices for men and women. Finally, they will participate in classroom activities that are designed to help students learn the necessary skills to secure future employment. Course activities include guest speakers, completing career assessments, and improving personal self-help skills. Industry visits, field trips, informational interviewing and job shadowing may also be provided if the opportunities become available. The ultimate goal of this course is to help provide a career direction for students desiring to become vocationally and economically self-sufficient.



## LANGUAGE ARTS

### **English 9**

Grade 9

Required

1 Credit

In this class, students will be exposed to a variety of literary forms, including short stories, poetry, mythology, drama, nonfiction, and fiction. Additionally, there will be a portion of time dedicated to researching Shakespeare and reading his famous work, *Romeo and Juliet*. Throughout the various forms, students will learn basic terminology in order to enhance their studies in literature. There will also be an emphasis on grammar, mechanics, and the writing process to enhance student writing. Throughout the course, students will work on projects, individually and in groups, participate in group discussions, give presentations, read aloud and silently, and compose a number of essays.

### **English 10**

Grade 10

Required

1 Credit

What can I understand about myself, others, history, and American values? In this class, we will answer these questions and more as we read a variety of short stories, poems, plays, non-fiction works, and novels. In order to enhance their studies, students will learn basic terminology and vocabulary. The students will also prepare for the MCA exam, and future ACT exam, by improving reading comprehension and vocabulary understanding. Additionally, we will spend time on the writing process, and students will write literary analyses and a research paper. Throughout the course, students will work on projects, individually and in groups, participate in discussions, give presentations, read aloud and silently, and write creative works and poems.

### **English 11**

Grade 11

Required

1 Credit

Who are the great writers of American history? And how do they still change, challenge and encourage us? These questions will be answered in English 11, a class which focuses on the plays, poems, documents and books that define our country. We start our journey at the beginnings of American literature, reading about Native American legends and the pilgrims' hardships. Then we move through the various literary periods, and the movements and ideas that were often controversial. A major focus is how the historical context affected the authors and the literary movements. Communication, research, and reading skills are all essential parts of this course. Students will often have reading assignments as homework, but they will also participate in group work, compose essays, articles, and poems, give informal presentations, and present a persuasive speech.

## **English 12**

Grade 12

Required

1 credit

In this course, students will be focusing on the great British writers throughout history, from early Anglo-Saxons to contemporary authors. Why study British literature in an American school? The answer is that England has influenced, and continues to influence, America. England produced our language, provided us with foundational ideas in government, and gave us influential authors. In the study of different British eras and influential authors, students will work to improve communication, research, and reading skills. Students will participate in group work, compose essays, articles, and poems, and give informal and formal presentations. Since this is the last required English course before graduation, a large focus of this class is on the research method.

## **College Reading & Writing**

Grades 11, 12

Elective

½ Credit

This course is recommended for students who are looking to increase their reading and writing skills in preparation for collegiate success. This course goes beyond those skills taught in English class and focuses on the expectations for collegiate level courses. This course is also helpful in preparing for post-secondary entrance exams, such as the ACT.

## **Creative Writing**

Grades 11, 12

Elective

½ Credit

Creative Writing is designed to help students craft various works of fiction, poetry, and nonfiction through both reading and writing, as well as the other necessary elements needed to improve writing and composition skills. Students will have the opportunity to explore several different types of poetry and prose styles, as well as respond to literature, art mediums, quotes, and music. In addition, peer-editing is an essential element to this course; students will critique each other's writing in a constructive workshop atmosphere and share ideas—thereby developing useful editorial skills. This course is designed with the goal of inspiring students to think creatively and create their own writing.

## **English as a Second Language**

Grades 9-12

Elective

1 Credit

This course is designed to increase English language skills of newcomer students and students identified as needing language supports. Students in this course will gain language skills necessary to successfully participate in high school courses. The course will work on developing oral, written, and spoken language.

## **Film Studies**

Grades 11, 12

Elective

½ Credit

Film Studies is an introductory course that provides opportunities for students to develop understanding and awareness of film as art. Students will learn how to actively view films, discuss and critique various film techniques, and analyze film as a visual art form. Students will explore the history of film beginning with its origins and examine various genres moving chronologically. This course should appeal to any students who love to watch movies and discuss them both orally and in writing.

**9<sup>th</sup> Grade Orientation**

Grade 9

Elective

½ Credit

This course will be offered to 9<sup>th</sup> graders to support the development of life and academic skills to promote success in high school. *The 7 Habits for Highly Effective Teens* text will be used to enrich learning.

## MUSIC

### **Concert Choir**

Grades 11, 12

Elective

1 Credit

This is a yearlong skinny class limited to 11<sup>th</sup> and 12<sup>th</sup> graders, although exceptions may be made on a case-by-case basis with consideration of individual student's course load, class schedule, etc. Through this music-performance class, students will learn the fundamentals of music and musicianship. Performances are required. Students will also have opportunities to perform in various honors ensembles and cocurricular ensembles.

### **Bass Clef Choir**

Grades 9, 10, 11, 12

Elective

1 Credit

This is a yearlong skinny class is designed for 9th and 10<sup>th</sup> grade Tenor and Bass Voice singers, although open to all singers in 11<sup>th</sup> and 12<sup>th</sup> grades as well. Through this music-performance class, students will learn the fundamentals of music and musicianship. Performances are required. Students will also have opportunities to perform in various honors ensembles and cocurricular ensembles.

### **Music Theory and Composition**

Grades 11, 12

Elective

½ Credit

In this class, students will explore the foundations of music. Students will create compositions using the theory skills discussed and have opportunities to perform their compositions as a class in a variety of styles.

### **Senior High Band**

Grades 9, 10, 11, 12

Elective

1 Credit

This is a yearlong skinny class. Through this music-performance class, students will learn the fundamentals of music and musicianship. Performances are required. Students will also have opportunities to perform in various honors ensembles and cocurricular ensembles.

### **Treble Choir**

Grades 9, 10, 11, 12

Elective

1 Credit

This is a yearlong skinny class is designed for 9th and 10<sup>th</sup> grade Soprano and Alto Voice singers, although open to all singers in 11<sup>th</sup> and 12<sup>th</sup> grades as well. Through this music-performance class, students will learn the fundamentals of music and musicianship. Performances are required. Students will also have opportunities to perform in various honors ensembles and cocurricular ensembles.

# MATHEMATICS

## **Math 9**

Grade 9  
Required  
1 Credit

This course includes the following topics: language of algebra, equations and inequalities, integers, real numbers, polynomials, rational algebraic expressions, functions and graphs, statistics, probability, equations of lines, recursion, and problem solving.

## **Geometry**

Grade 10  
Required  
1 Credit  
Prerequisite – Math 9

This course includes the following topics: basic elements of geometry, angles, perpendicular and parallel lines, formal proofs, congruent triangles, area and volume.

## **Algebra II**

Grades 11, 12  
Required  
1 Credit  
Prerequisite – Math 9 and Geometry

This course will include the following topics: equations and inequalities, linear relations and functions, systems of linear equations and inequalities, determinants and matrices, polynomials, roots, quadratic equations and functions, complex numbers, statistics probability, and laws of exponents.

## **Advanced Math**

Grades 11, 12  
Elective  
1 Credit  
Prerequisite - Algebra II

This course is a continuation of Algebra II and Geometry. Topics covered include a more in depth study of functions, trigonometry, conic sections, exponential functions, logarithms, analytical geometry, and inverse functions. The course may include a variety of advanced topics such as series and sequences, matrices, complex numbers, statistics, and an introduction to calculus.

## **AP Calculus**

Grades 11, 12  
Elective  
1 Credit  
Prerequisite - Pre-Calculus

This course will prepare students to take the AP Calculus exam. It is a course in introductory calculus with elementary functions. Topics covered will be functions and graphs, limits and continuity, differential calculus, and integral calculus.

### **Consumer Math**

Grades 9, 10

Elective

½ Credit

Students will use math to help solve problems and make sound decisions in “real-life” consumer and employment related situations. Topics include: managing checking and savings accounts, calculating gross and net pay/benefits, comparative shopping, taxes, credit, insurance, investments, buying a house, buying a car, and budgeting.

### **Introduction to Statistics**

Grades 10, 11, 12

Elective

½ Credit

Prerequisites Algebra I

Learn the basic concepts of probability and statistical inference, focusing on an intuitive approach to understanding concepts & methodologies. Get an introduction to statistical and critical thinking, including descriptive statistics, probability, sampling distributions, interval estimation, hypothesis testing and regression.

### **AP Statistics**

Grades 11 & 12

Elective

1 Credit

Prerequisites: Algebra II, Intro to Statistics or passing a basic statistics knowledge exam

This course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. At the end of the course, they may choose to take the AP Statistics exam, which is passed, will give them college credit for this Statistics.

## PHYSICAL EDUCATION: HEALTH & WELLNESS EDUCATION

### **Physical Education 9**

Grade 9

Required Elective

½ Credit

Physical Education 9 is designed to give students knowledge and experience on various team and individual sports and activities. Emphasis will be placed on team sports and overall sportsmanship. The sports and activities taught in 9<sup>th</sup> grade are: Flag Football, Slow Pitch Softball, Floor Hockey, Volleyball, Soccer, Badminton, Table Tennis, basketball, backyard games, and an introduction to fitness.

### **Athletic Training/Sports Medicine/Emergency Medical Response**

Grades 11, 12

Elective

1 Credit

This course is designed for students interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, nutrition, and other sports medicine and health related fields. The course includes classwork and practical hands-on application in the following areas: prevention, treatment, and rehabilitation of sports injuries, taping, and wrapping injuries, first aid/CPR, emergency procedures, and sports medicine and health careers. There is an additional \$25 fee for supplies. This course is taught in partnership with Lewiston Ambulance. It consists of the entire EMT certification classroom work and 10 clinical hours. This will ensure EMT certification upon passing the certification test and being 18 years old.

### **Health 10**

Grade 10

Required Elective

½ Credit

Health 10 is designed to teach students about important health topics that will affect them throughout their lives. This class will be a skills-based course. Students will gain skills and knowledge components to make healthy choices.

### **Individual Sports**

Grades 10, 11, 12

Elective

½ Credit

Students will be introduced to or continue playing sports and activities that focus on the individuals skills. The individual sports and activities could be: Tennis, Archery, Disc Sports, Golf, Pickleball, Badminton, Bowling, Yoga, spikeball, and backyard sports.

### **Personal Wellness**

Grades 9, 10, 11, 12

Elective

½ Credit

This class will explore all dimensions of wellness. Students will gain skills and knowledge to live a healthy life and how to make healthy decisions during and after high school.

### **Recreational and Lifetime Sports**

Grade 11, 12

Elective

½ Credit

This course is designed to give senior high students knowledge and interest in many lifetime sports and activities. Students should gain interest in sports and activities that they will participate in their life after high school. The units of emphasis will be emphasized in the unit that they can join leagues in after high school. Other possible units include but depend on willingness to pay an extra fee: bowling, curling, rock climbing, cross country skiing, and swimming.

### **Team Sports**

Grades 10, 11, 12

Elective

½ Credit

Students will be introduced to or continue playing sports that have a team focus. The team sports and activities that may be taught are Flag Football, Ultimate Frisbee, Soccer, Basketball, Floor Hockey, Field Hockey, Speed Ball, and La Crosse.

### **Weight Training and Cardiovascular Conditioning**

Grades 9, 10, 11, 12

Elective

½ Credit

Students will study and experience different types of weight training systems that they can use throughout their high school years as well as throughout their life. Students will learn a variety of exercises and the muscles used in different lifts. Students will create fitness goals and learn how to build a workout plan that aligns with their fitness goals.

The course is designed to weight training 3 days a week and cardio, core exercises, or yoga training 2 days a week. Lastly, students will grasp the concept of how important physical activity is to the body and have the tools, confidence, and experience to continue to workout through their life.



# SCIENCE

## **Science 9**

Grade 9

Required

1 Credit

Science 9 consists of one quarter of chemistry and one quarter of physics. Students will learn through a combination of lecture and laboratory experiments. Physics topics include motion, forces, energy, and electricity, while chemistry topics include matter, atoms, chemical reactions and acids and bases.

## **Biology**

Grades 10, 11, 12

Required

1 Credit

Prerequisite - Science 9

Introduction to cellular biology, microbiology, genetics, evolution, ecology, classification and zoology. The second semester will include an introduction to anatomy, physiology and vertebrate zoology, the study of physiology and comparative anatomy through laboratory dissections of representative organisms, and explanation of interactions of organisms and their environment.

## **Chemistry**

Grades 11, 12

Elective (Chemistry or Physics is required for graduation)

1 Credit

Prerequisites Physical Science 9, Algebra I

Chemistry is a laboratory science course in which students investigate the composition of matter and the physical chemical changes it undergoes. Concepts build upon one another beginning with the states of matter and ending with the mathematics of chemistry. This course is geared towards students who are pursuing an education or a career in science related fields.

## **Physics**

Grades 11, 12

Elective (Chemistry or Physics is required for graduation)

1 Credit

Prerequisite: Science 9, Algebra I

Physics is a laboratory science course that examines the relationship between motion and how motion is changed through forces. This course is taught using a modeling approach where students investigate relationships between physics concepts through experimentation. Physics is geared towards students who are not pursuing an education or a career in science related fields.

## **Astronomy**

Grades 9, 10, 11, 12

Elective

1/2 Credit

Study of the history of astronomy, sky observation techniques, the formation of the universe and solar system, stars, galaxies, and space exploration. Labs are included.

### **Forensic Science**

Grades 9,10,11,12

Elective

½ Credit

Forensic Science is the practical application of science to matters of the law. In this class we will be covering a variety of skills and knowledge that are used by forensic scientists. Topics will include biological and impression evidence, entomology, anthropology, and crime psychology. We will also be examining simulated and real crime scenes throughout the course of the class. Labs are included.

### **Human Anatomy and Physiology**

Grades 11, 12

Elective

1 Credit

Prerequisite - Biology

This course introduces the structure and function of the human body with an emphasis on normal health. This course includes a review of cellular biology, cellular transport, cell reproduction and basic biochemistry. Topics covered include tissues, the integumentary system, skeletal system, articulations, muscular system, and nervous system. Students that complete the course will receive equivalent course credit from Minnesota State College Southeast.

### **Meteorology**

Grades 9, 10, 11, 12

Elective

1/2 Credit

Study of the Earth's atmosphere, what causes changes in weather patterns, types of clouds and precipitation, and weather forecasting. Labs are included.

### **Wildlife Studies**

Grades 11, 12

Elective

1 Credit

Prerequisite - Biology

This course is designed as an introduction to the Ecology of Southeast Minnesota. For the first quarter, students will learn the anatomical features of common Minnesota wildlife as well as the names of over 200 local species. During the second quarter of the class students will spend much time in the field practicing wildlife sampling techniques and conducting their own population studies in native ecosystems. Students should be prepared for outdoor class regardless of weather conditions.

# SOCIAL STUDIES

## **Social Studies 9**

Grade 9  
Required  
1 Credit

Social Studies 9 is a one-semester course designed to engage students in the study of origin of the United States Government. Students will gain an understanding of their rights and roles as citizens and draw conclusions based on evidence. Topics include philosophies of government, the Constitution and its origin, the Legislative Branch, the Executive Branch, the Judicial Branch, civil liberties, and sources of political participation. Students will also have an introduction to U.S. History that will include topics from Pre-Colonial Empires to the end of the Revolutionary War.

## **Social Studies 10**

Grade 10  
Required  
1 Credit

Social Studies 10 is a one-semester course on American History. The course covers Post-Revolutionary War time to current United States History (9/11 and War on Terrorism). It is designed to give students a well-rounded background of events through investigation of political, social, cultural, and economic standpoints. Focus will be on using primary sources to analyze events allowing students to draw conclusions based on factual evidence.

## **Social Studies 11 (World History)**

Grade 11  
Required (Social Studies 11 or either Concurrent Enrollment World History)  
1 Credit

World History explores from the ancient civilization time-period to the modern age. This course is designed around a variety of learning projects, papers, and assessments.

## **Concurrent Enrollment Ancient World History (Offered 2023-24 and all odd years)**

Grade 11  
Elective (unless taken in replacement of the Social Studies 11 Required Course)  
1 Credit  
**\*Concurrent enrollment course with Minnesota State College Southeast**

This college-level World History course explores from the ancient civilization to 1500. This course is designed around a variety of learning projects, papers, and assessments.

## **Concurrent Enrollment Modern World History (Offered 2024-25 and all even years)**

Grade 11  
Elective (unless taken in replacement of the Social Studies 11 Required Course)  
1 Credit  
**\*Concurrent enrollment course with Minnesota State College Southeast**

This college-level World History explores from the 1500 to the modern age. This course is designed around a variety of learning projects, papers, and assessments.

**Social Studies 12** (*Economics & Human Geography*)

Grade 12

Required

1 Credit

This class involves two separate courses: one quarter of Human Geography and one quarter of Economics. Human Geography concentrates on globalization and the impact that humans have on the earth. We will explore issues such as population, immigration, and culture. This course begins with fundamental economic concepts dealing with Economic Systems and decision-making. Some microeconomic concepts such as demand, supply, and prices are introduced to lay a foundation for the main part of the course, which deals with macroeconomics or the “big picture” of economics. The study of macroeconomics will include economic performance, economic stability, the Fed and monetary policy achieving stability, and international trade.

**CLEP Psychology**

Grades 11, 12

Elective

1 Credit

This challenging semester course will address basic psychological concepts of rigorous fashion. Topics to be addressed include: an introduction to the topic, gender issues, consciousness, and psychological disorders.

**Sociology**

Grades 11, 12

Elective

½ Credit

This course will introduce students to the overall idea of General Sociology with an opportunity to study human relationships and how the environment influences those topics. There will be multiple units to prompt discussion, inquiry based ideas, opinions, research topics, and presentations.

## SPANISH LANGUAGE & CULTURE

### **Spanish I**

Grades 9, 10, 11, 12

Elective

1 Credit

In Spanish I you will learn the target language through listening, speaking, writing, and reading activities. The focus of the class will be learning the Spanish alphabet, pronunciation, new vocabulary and grammar. You will also be introduced to the various cultures and customs to assist in understanding the different aspects of the Spanish-speaking world.

### **Spanish II**

Grades 10, 11, 12

Elective

1 Credit

Prerequisite: Spanish I

In Spanish II, you will learn the target language through listening, speaking, writing, and reading activities. The objective of the class will be applying skills learned in Spanish I while integrating new vocabulary and grammar in order to increase communication with listening, speaking, writing and reading skills in Spanish.

### **Spanish III**

Grades 11, 12

Elective

1 Credit

Prerequisite: Pass Spanish I & II

This course incorporates all that was learned in Spanish I and II and expands on it. We will explore the future and perfect tenses while continuing to improve their communication and vocabulary skills. There will also be further study of Spanish literature and culture. Ven y ten diversion! Come and have fun!

## TECHNOLOGY & ENGINEERING EDUCATION

### **Architectural Drafting and Design**

Grades 9, 10, 11, 12

Elective

½ Credit

**Local Articulation with Minnesota State College Southeast Technical**

This class will focus on designing and drawing plans for a residential dwelling. Students will be using software to do the drawings. Students will also learn about some of the basics in how a house is built. This is a great class for anyone who might be thinking about a career in construction, architecture or for anyone who might be involved in building or remodeling a house of their own someday.

### **Construction Trades**

Grades 10, 11, 12

Elective

1 Credit

Prerequisite: Wood Technology

**Local Articulation with Minnesota State College Southeast Technical**

This course will introduce the students to the world of residential construction. We will cover some of the different trades involved in building or remodeling a home. Students will be involved in hands-on experiences. The information covered will be helpful to those considering a construction trade as a career or for anyone who will have their own home someday. Some of the projects we have completed in this class in the past were house addition, garages, and storage sheds.

### **Introduction to Technology**

Grade 9, 10, 11 & 12

Elective

½ Credit

Technology is all around us and we use it every day! Students in this class will be exposed to several different areas of technology and complete several hands-on projects. Some of the areas possibly covered could be engineering design, transportation, power & energy, construction and manufacturing.

### **Metals**

Grades 10, 11, 12

Elective

½ credit

**Local Articulation with Minnesota State College Southeast Technical**

In this class students will learn the basics of metal working. Some operations and procedures covered will be the milling machine, the metal lathe, sheet metal and foundry (the pouring of molten metal). This class will be very hands-on oriented. Students may have to pay for some of the materials for the projects they complete.

### **New Product Development**

Grades 11, 12

Elective

½ Credit

**Local Articulation with Minnesota State College Southeast Technical**

This is a hands-on problem-solving class! Students will be involved in engineering design throughout the projects they complete. Students must be self-motivated, able to work in groups and willing to share their creative problem-solving skills! Some projects in the past have been: Rube Goldberg Machines, robotic arms and cardboard chairs. Students may need to supply materials of their own.

### **Wood Technology**

Grades 9, 10, 11, 12

Elective

½ Credit

**Local Articulation with Minnesota State College Southeast Technical**

This is a basic woodworking course. Students will learn the safe and proper use of the common woodworking machines used to produce cabinetry and furniture. Students will design and construct a wood product using their new skills. Proper tool set up, accuracy and safety will be emphasized. Students may have to pay for some of the materials for the projects they complete.

## WORK-BASED LEARNING & EXPERIENTIAL COURSES

### **Concurrent Enrollment Education**

#### **Grade 11/12**

Elective

1 Credit

This concurrent enrollment course is in conjunction with Winona State University with a focus on students interested in the field of teaching. It is the equivalent of their EDFD 100 class which is Introduction to Clinical Practice. Students will learn about education, recent topics in education, and get to experience a variety of classroom settings. Students will need to travel to the elementary and intermediate schools with their class on assigned days. Students that satisfactorily complete this course will earn college credit from Winona State University.

### **Independent Study (Arrange topic of course with teacher, need office approval)**

#### **Grade 12**

Elective

Up to 1 total credit

Students that desire a course that is not currently offered or one that did not have enough numbers to run, may request an independent study. Teachers will determine if an independent study is appropriate for the individual student. Teachers are not required to accept proposals for an independent study course. Courses will be created in conjunction with the teacher. The student should present a concept of what they would like to offer along with ideas they have related to projects/assessments for completion. Teachers will work with the student to determine the learning requirements and assessments used towards grading. Independent study students will have to work with teachers before and after school in many situations in order to receive guidance. Students will report to that teacher during assigned times to determine areas for supervision and plan for daily task completion.

### **Teacher Assistant (Arrange with a specific teacher prior to registering, needs office approval)**

#### **Grade 12**

Elective

Up to 1 total credit

Students that are specifically interested in learning the role of the teacher or those students that want to further assist with the growth of younger students may decide to become a Teacher Assistant. Teachers will provide a variety of opportunities for students during the TA experience. Students will be graded on task completion and thoroughness of work. Students need to be self-motivated as the teacher may be teaching a class at the same time.