

Forest Lake Area
High School

Registration Guide
2019-2020

Graduation Requirements:

Students must earn a total of 26 high school credits in order to graduate. In addition, many of these credits must come from specific content areas.

Below are the graduation requirements broken down into specific departments. For clarity, specific courses that fulfill the graduation requirements are listed. Please note that many of these classes have grade level or additional restrictions for registration. See the [course catalog](#) for more information.

Language Arts (4.0 Credits)

- English 9 A&B (1 credit)
- English 10 A&B (1 credit)
- Speaking Course (0.5 credit)
 - Communication Theory & Practice
 - Speech
 - CIS Advanced Public Speaking
 - Argumentation
- Writing (0.5 credits)
 - AP English Language & Composition
 - College Prep Composition
 - Writing Workshop
 - CIS University Writing & Critical Reading
- Literature Course (0.5 Credits)
 - Literature of the Imagination
 - British Literature (ALC only)
 - World Literature
 - Popular Literature
 - Pop Lit in Spanish
 - CIS Intro to Literature
 - AP English Lit & Composition
- English Elective (0.5 credits)

Math (3.0 Credits)

- Algebra 9 A&B (1 credit)
- Geometry A&B (1 credit)
- Algebra II A&B (1 Credit)

Social Studies (3.0 Credits)

- Citizenship & Government (0.5 credit)
- Geography (0.5 credit)
- World History A&B (1 Credit)
- U.S. History A&B (1 Credit)

Economics (0.5 Credits)

- Economics **or**
- CIS Economics (Micro or Macro) **or**
- Agricultural Economics

Art: Visual or Performance (1.0 Credits)

- All art courses
- All music courses EXCEPT music theory

Phy. Ed./Health (1.5 Credits)

- Physical Education 9 (0.5 credit)
- Physical Education 10 (0.5 credit)
- Health

Electives (9.5 Credits)

Students must select at least 9.5 credits worth of electives to finish out the 26 credits required for graduation. These electives may come from any and all content areas.

Science (3.5 Credits) Class of 2022 and beyond

- Physics A&B (1 credit)
- Chemistry A (0.5 credit)
- Biology A&B (1.0 Credit)
- Earth & Space Science (0.5 Credit)
- Science Elective (0.5 credit)

Science (3.5 Credits) Class of 2020 & 2021

- Science 9 A&B (1 credit)
- Chemistry A&B (1.0 credit) **or** Physics A&B (1.0 credit)
- Biology A&B (1.0 Credit)
- Earth & Space Science (0.5 Credit)

WEIGHTED GRADES

Students are encouraged to take challenging courses that prepare them for college. Students are also encouraged to take elective courses as a means of exploring areas of interest and as a means of creating a balanced schedule. The primary purpose in taking any course is to learn and develop skills.

We recognize that the grades earned in courses does matter when students apply to college and scholarships. Therefore, courses awarding college credit are weighed at a value of 1.25.

These include:

1. Advanced Placement (AP) courses
2. Concurrent enrollment courses (earn college credit while taking them in the high school environment), including CIS (University of MN), College Now (Southwest State University), and Pine Technical & Community College
3. Articulated courses (earn college credit that may only be recognized by the college through which it is earned). *Not weighted.
4. Post-Secondary Education Options (PSEO)

Courses offered with weighted grades and the weight values can be found below. Please see [Ranger U](#) for additional information.

Weighted Courses

Agriculture (CTE)

- CIS Animal Science
- CIS Plant Science
- Plant Science Concepts
- Greenhouse Technology
- Landscape Design & Construction
- Floral Design*

Art

- AP Music Theory

Business Education (CTE)

- Business Information Systems
- Business Computer Applications
- Principles of Marketing
- College Introduction to Business
- Human Relations in Business

Industrial Tech (CTE)

- Intro to Metals Tech
- Welding & Machine Tool Tech

- Engineering/Drafting I
- Auto Tech I & II*

FACS (CTE)

- Exploring Childhood
- Psychology of Childhood*

Health Science (CTE)

- Intro to Health Care
- Emergency Medical Responder
- Emergency Medical Technician

CTE = Career Technical Education

English Language Arts

- AP English Language & Composition
- AP English Literature & Composition
- CIS University Writing & Critical Reading
- CIS Introduction to Literature

- CIS Advanced Public Speaking

Social Studies

- AP Human Geography
- AP World History
- AP US History
- AP Psychology
- CIS US History up to 1800
- CIS US History beyond 1880
- CIS Microeconomics
- CIS Macroeconomics
- CIS Political Science
- Political Science

Math

- AP Calculus I
- AP Calculus II
- AP Statistics
- AP Computer Science
- CIS Algebra through Modeling
- CIS Basic & Applied Statistics

Science

- AP Biology
- AP Chemistry
- AP Physics
- AP Physics C: Mechanics A/B
-

World Language

- Spanish IV
- College Now Spanish V
- CIS French V

Weighted Grade Values

Grade	Non-Weighted Grade Value	Weighted Grade Value
A	4.0	5.0
A-	3.7	4.625
B+	3.3	4.125
B	3.0	3.75
B-	2.7	3.375
C+	2.3	2.875
C	2.0	2.5
C-	1.7	2.125
D+	1.3	1.625
D	1.0	1.25
D-	.7	.875

ACADEMIC SCHOLARS & GRADUATING WITH HONORS



Becoming an Academic Scholar

Students must earn a B- grade or higher in a number of College Credit Bearing subject areas in order to qualify as an Academic Scholar.

Academic Scholar:

3 College Credit Bearing Classes

High Academic Scholar:

4 College Credit Bearing Classes in 2 or More Areas

Highest Academic Scholar:

5 College Credit Bearing Classes in 3 or More Areas

Area One: Language Arts

AP English Language & Composition, CIS Advanced Public Speaking, CIS University Writing & Critical Reading, CIS Introduction to Literature

Area Two: Sciences

AP Biology, AP Chemistry, AP Physics, AP Physics - Mechanics

Area Three: Mathematics

AP Calculus I, AP Calculus II, AP Computer Science, AP Statistics, CIS Basics & Applied Statistics (ALC only), CIS College Algebra Through Modeling

Area Four: Social Studies

AP US History, AP World History, Political Science, CIS Microeconomics, CIS Macroeconomics, CIS Political Science, CIS US History to 1880, CIS US History 1880 to Present, AP Psychology

Area Five: World Languages

French V, Spanish IV, Spanish V

Area Six: Arts

AP Music Theory

Area Seven: Career and Technical Education

Intro to Health Care, Emergency Medical Responder, Emergency Medical Technician, Principles of Marketing, College Introduction to Business, Business Computer Applications, Human Relations in Business, Business Information Systems, Plant Science Concepts, CIS Plant Science, CIS Animal Science, Landscape Design and Construction, Greenhouse Technology, Intro to Metals Technology, Welding and Machine Tool Tech, Engineering and Drafting 1, Exploring Childhood

Graduating with Honors

All seniors with a cumulative GPA of 3.5 or higher will graduate with honors and receive an academic letter prior to the commencement ceremony.

Academic Lettering

In order to earn a Forest Lake High School Academic Letter, students must earn a cumulative grade point average based on the following:

Year in School	Cumulative GPA
Freshman	3.9
Sophomore	3.8
Junior	3.7
Senior	3.5

Honor for Literacy (Rangers Read)

We know that reading is tied directly to life-long learning and success. To encourage our students to make

reading a regular part of their lives, we have a literacy program called Rangers Read. Students who read a minimum of 10 books a year and complete a "book talk" with their advisory teacher will earn the privilege of wearing a white literacy honor cord for graduation. More information about the Rangers Read program can be [found at this link](#).

Minimum Preparation Requirements for MN Public Institutions

Below you will find the minimum high school preparation requirements for baccalaureate programs. University of Minnesota requirements apply to Twin Cities, Crookston, Morris, and Duluth campuses. Minnesota State Colleges and Universities System requirements apply to Bemidji, Mankato, Moorhead, St. Cloud, Metropolitan State, Southwest (Marshall), and Winona.

University of Minnesota Requirements:

- 4 years of English: Emphasis on writing, including reading and speaking instruction, as well as literary comprehension.
- 4 years of mathematics: Including two years of algebra (one of which is intermediate or advanced Algebra), 1 year of Geometry, and a 4th year math course (integrated math, pre-calc, or calculus which is preferred). Students are encouraged to take a math or quantitative methodology course in their senior year that is considered to be the next course in their academic progression.
- 3 years of science: Including one year each of a biological and a physical science, all with significant laboratory experience.
- 3 years of social studies: Including one year each of geography and U.S. history.
- 2 years of a single second language: Not required if English is not your first language.
- 1 year of visual or performing arts (theater, music, dance or media arts).

* Specific colleges (i.e. Carlson School of Management) may have additional requirements.

Minnesota State Requirements

- 4 years of English: Including writing, literature, and speech.
- 3 years of mathematics: Including one year each of elementary algebra, geometry, and intermediate or advanced algebra.
- 3 years of science: Including one year each of biological and physical science, with significant laboratory experience.
- 3 years of social studies: Including one year each of U.S. history and geography (or a course that includes a geography component such as World History, Western Civilization, or Global Studies).
- 2 years of a single second language.
- 1 year of visual and/or performing arts (theater, music, dance or media arts).

Colleges may admit some students who have not met these requirements. The method of meeting these preparation requirements after admission will be determined on a case-by-case basis and may require the student to take additional course work.

Please note that the high school prep requirements listed are only for the University of Minnesota and Minnesota State systems. Requirements for all colleges and universities vary and can change. Confirm with the college of your choice for their high school prep requirements.

Agriculture & Natural Resources

The Agricultural Education Department offers courses in a wide ranging variety of subjects. Keep in mind that Agricultural Economics meets the economics graduation requirement. Articulated courses offer the opportunity to earn college credit and certification from certain community or technical colleges. Also, students interested in a career in Agriculture, Food, or Natural Resources should strongly consider taking classes from the Agriculture Department.

For more information about Agriculture Education, check out the following links:

Courses Shown Below

General Agriculture

[Agriculture Today \(11-12\)](#)

[Ag Economics \(11-12\)](#)

[Biotechnology in Agri-Science \(11-12\)](#)

Leadership

These courses are NOT sequential.

[Youth Leadership A \(9-12\)](#)

[Youth Leadership B \(9-12\)](#)

Natural Resources

[Alt Energy - Engineering for Our Future \(11-12\)](#)

[Natural Resource Science \(9-12\)](#)

[Fish and Wildlife Management \(9-12\)](#)

Plant Science

[Plant Science - Concepts \(10-12\)](#)

[Landscape Design & Construction \(9-12\)](#)

[Greenhouse Technology \(9-12\)](#)

[Floral Design \(9-12\)](#)

[CIS Plant Science \(11-12\)](#)

Animal Science

[Animal Science \(9-12\)](#)

[CIS Animal Science \(11-12\)](#)

[Animal Health & Vet Science \(11-12\)](#)

[Companion Animal Science \(9-12\)](#)

[Horse & Horsemanship \(9-12\)](#)

Ag Internship

[Senior Ag A&B - Career](#)

[Investigation\(12\)](#)

[Senior Ag C&D - Career Experience \(12\)](#)



Youth Leadership A

Course: 0001

Grade: 9-12

(This course will only be offered semester one)

Are you a captain on your sports team? Dreaming of owning or leading a business someday? Do you wish you could convince everyone to take an Ag. course, because you just can't get enough? Even if leading comes naturally to you, you won't get far without effective communication, team building, citizenship and organizational skills. So take some time to discover how you're wired and how your unique skills will help those around you thrive. You'll learn how to communicate effectively and persuasively through public speaking opportunities, serve in the community, help educate your peers about issues and options in agriculture, and coordinate events that will impact your school for the better. You'll also participate in a required Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too. Students do not need to follow this course with Youth Leadership B.

This course may be repeated.

Youth Leadership B

Course: 0004

Grade: 9-12

Students do NOT need to complete Youth Leadership A to take this course

(This course will only be offered semester two)

Do you want to make your community a better place? In this class, you'll learn to see your community - your school, your neighborhood, your family, your church, your lunch table - as a learning laboratory. You'll take an honest look at your community, describe the needs you see, and then go to work putting together a plan for addressing those needs. You'll get to take part in the Agricultural Education Open House, community landscaping projects, banquet planning, National Chapter Award, and Agriculture in the Classroom activities. In short, you'll have practical opportunities to become an invested, informed student leader within the agricultural department. You'll also participate in a required Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

This course may be repeated.



Alternative Energy-Engineering for Our Future

Course: 0200

Grade: 11-12

Do you sigh audibly every time you fill your gas tank and watch those dollars ticking up, up up? Take this crash course about the renewable, sustainable energies that are on the news all the time: solar energy, wind power, hydropower, fuel cells, biomass, and even alternative transportation options. You'll build working models of solar, wind, hydropower and biomass energy systems, and assess whether they'd actually be beneficial in real life. Learn about the impact of government regulations on the use of renewable energies and investigate the potential of renewable energy technologies to help solve environmental and economic problems. You'll participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

*** Applicable to the University of Minnesota Science Entrance Requirement**

Natural Resource Science

Course: 0201

Grade: 9-12

Make Minnesota's great outdoors your classroom as we take learning outside to explore Minnesota's forests, soil and water. You'll learn about the anatomy and physiology, growth, and development of trees; soil structure, nutrient analysis, and erosion; and water management and pollution. We'll talk about the environmental and economic impact of these intricate ecosystems on our state and world, plus analyze ways that our population can preserve, protect and manage natural resources for the future. You'll participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

*** Applicable to the University of Minnesota Science Entrance Requirement**

Fish and Wildlife Management

Course: 0205

Grade: 9-12

Up your game - make hunting and fishing more than just a hobby! Improve your knowledge of Minnesota's game species and the ecological, physical and environmental components of wildlife management. You'll study the ecology of wildlife species' needs, struggles and populations, and suggest ways to manage these populations to help them thrive. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

*** Applicable to the University of Minnesota Science Entrance Requirement * Successful completion of this course may result in Advanced Hunter Certification.**

Animal Science

Course: 0300

Grade: 9-12

Learn about your food, from farm to fork! Get the back-story of the animal-based food products you've been eating your whole life - and some of the issues and threats facing their production and consumption. We'll talk about hot topics like how animal nutrition, selective breeding, product distribution, food grading and safety, biotechnology and animal selection affect the food that powers our country. Lab activities will give you practical, hands-on experience with these issues so you can be better informed as a leader in agriculture. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.



CIS Animal Science

Course: 0303

Grade: 11-12

Prerequisite: Student must be in top 50% of class, or instructor permission/approval.



overview of the horse, dairy, sheep, poultry, swine and beef industries while earning college credits! We'll cover humans' relationships to animals, current issues, and perspectives of animal agriculture. Learn about animal science through hands-on lab experiences at the University of Minnesota as a concurrently-enrolled University of Minnesota student, and walk away with four college credits. Some learning will be done online, with potential release days so you can complete assignments and labs outside of class time.

This is a University of Minnesota Introduction to Animal Science (ANSC 1101) course with emphasis on genetics, physiology and nutrition. Successful completion of this course may enable students to earn 4 University of Minnesota credits. (Introduction to Animal Science ANSC 1101) * Applicable to the University of Minnesota Science Entrance Requirement

Animal Health and Veterinary Science

Course: 0305

Grade: 11-12

Save yourself a trip to the vet (and save money and time!) by diagnosing common pet illnesses at home! Explore animal systems, diagnose diseases and determine the best treatment for your furry family member. Build a foundational understanding of the biological and environmental factors in disease transmission, explore what causes illnesses, and learn about the prevention and treatment of common animal disorders. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

*** Technical skill certification may be earned. It is recommended that students complete Companion Animal Science or Animal Science before enrolling in Animal Health & Veterinary Science.**

Companion Animal Science

Course: 0306

Grade: 9-12

Dogs and hamsters and parrots - oh my! Learn how to take care of your favorite pets, from their nutrition and safety, to training and setting the up for long-term health. The course will focus on dogs, cats, rabbits, birds, reptiles, guinea pigs, rodents, and fish - with lots of hands-on and problem-solving - so it's great for any pet owner or aspiring animal-related professional. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.



Horse & Horsemanship

Course: 0400

Grade: 9-12

Whether you're a horsemanship newbie or you've been a regular in the arena for years, this course will broaden your horizons. Get a handle (er-bridle?) on horse anatomy and physiology, health-care, nutrition, breeds, safety, handling and training, equine business management, and possible horse-centric careers. You'll plan and carry out your own Western Saddle Clubs Association (WSCA) horse show, judge horses for proper form, and hear from guest speakers who've been successful in the horse industry. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

Plant Science - Concepts

Course: 0501

Grade: 10-12



Give your green thumb a workout in the warmth of our high school greenhouse! This course is designed as an overview of the characteristics of plants, so you'll get your hands dirty and learn all about plant anatomy and growth. You'll walk away confident in your ability to identify common plants - and care for them - so you'll be able to impress the gardening experts in your life. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

Successful completion of this course may enable students to earn 4 college credits from Hennepin Technical College (Plant Biology LNDC 1242). This course also has a potential articulation agreement with several area colleges. See instructor for details.

Landscape Design and Construction

Course: 0502

Grade: 9-12



Bump up your curb appeal! In this class, you'll get to know common Minnesota landscaping plants, create designs using Computer Aided Drafting (CAD) software, and learn to build hardscapes - like retaining walls and patios - that will add oomph to your designs and value to any home. This course will explore the process of creating greenscape and hardscape plans and carrying them through to completion, so we'll cover how to source and handle materials, install them safely and manage all aspects of a landscaping project. Hands-on (and - ahem - outdoor) learning will be an important part of this class. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.



Successful completion of this course may enable students to earn 2 college credits from Hennepin Technical College (Landscape Operations LNDC 1235). This course also has a potential articulation agreement with Century College. See instructor for details.

Greenhouse Technology

Course: 0504

Grade: 9-12



Surround yourself with beautiful topical flowers in the dead of a Minnesota winter! Hang out in a greenhouse, learning plant production, identification, disease prevention, pest management, and equipment care. Learn how to maintain and manage a commercial greenhouse and learn what it takes to create healthy environments for specific plant species. Put your new growing and business skills into practice to raise funds for the agriculture department at the spring plant sale. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too. **Successful completion of this course may enable students to earn 2 college credits from Hennepin Technical College (Greenhouse Infrastructure Technology LNDC 1160). This course also has a potential articulation agreement with several area colleges. See instructor for details.**

* Applicable to the University of Minnesota Science Requirement.



Floral Design

Course: 0505

Grade: 9-12

You can't have a successful event without a great floral arrangement! Whip out your shears and create floral arrangements, centerpieces, bows and corsages - putting the best design tools and principles into use. Learn how to identify and care for cut flowers and understand their specific uses in design work. Get a first-hand look at the floral industry as you plan and price out the flowers for a wedding. If you're an FFA member, you'll get added leadership and career development training, too.

This course also has a potential articulation agreement with Century College. See instructor for details. * Technical skill certification may be earned.

CIS Plant Science

Course: 0506

Grade: 11-12

Prerequisite: Student must be in top 50% of class, or instructor permission/ approval.



In this course, you'll learn about plant structures and the various (and fascinating) ways they grow and reproduce. From sexual and asexual plant reproduction to hands-on labs, you'll get the gist of how plants work and how to help them thrive. While components of this course will be completed online, it's hands-on in nature (no pun intended). Potential release days will allow you to complete assignments and labs outside of class time. This is a University of Minnesota Plant Propagation (HORT 1001) class that focuses on biological concepts as they relate to plant propagation.

Successful completion of this course will enable a student to earn University of Minnesota Credits (Plant Propagation HORT 1001). *Applicable to the University of Minnesota Science Credit Entrance Requirement.

Agricultural Economics

Course: 0650

Grade: 11-12

Agricultural businesses were the original start-up companies, and any successful business comes down to economic decision-making. In this hands-on class, you'll learn how to anticipate market trends, secure resources, and make rational, data-based decisions through market simulations and interactive group collaboration. We'll also touch on supply and demand, price-setting, the globalization of trade, public policy, commodity markets and food safety, and how they impact everyday business. You'll walk out of this class confident about making healthy day-to-day economic decisions while saving and investing for the future. If you're an FFA member, you'll get added leadership and career development training, too.

***This course meets the required economics credit for graduation.**

Agriculture Today

Course: 0800

Grade: 11-12

You can't watch the news without hearing something that relates to or impacts agriculture. From climate change to new legislation to globalization to population swings, tomorrow's leaders in agriculture will need to be ultra-aware, savvy about sourcing and processing information, and adept at managing and inspiring change. In this course, you'll research and discuss issues affecting agriculturists and consumers and then present your findings through well-researched presentations, research papers and debates. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

Biotechnology in Agri-Science

Course: 0810

Grade: 11-12

Prerequisite: Successful completion of ½ credit Biology, or teacher approval

Can you define the word "biotechnology"? If it sounds like science fiction, think again. Discover how manipulating genetic traits can produce a safer and more adequate food supply. Though a partnership with Mayo Clinic, students will participate in a variety of hands-on labs to explore how cutting edge technology ends up on our dinner plate. Analyze the benefits of biotechnology and its environmental implication. Discuss the ethical questions surrounding these rapidly-changing industries and how current events shape them, too. You'll also participate in a Supervised Agricultural Experience Program (AKA a hands-on, out-of-class experience) in this course. If you're an FFA member, you'll get added leadership and career development training, too.

*** Applicable to the University of Minnesota Science Entrance Requirement**

Senior Agriculture A/B - Career Investigation

Course: 0841/0842

Grade: 12 (offered quarters 1 & 2)

Prerequisites: Students must be a senior (or a junior in special circumstances), and have successfully completed two courses in the Agriculture department.

In this capstone course, you'll select a focus within Agriculture, Food and Natural Resources career pathways and line up internships, occupational placement, service learning, career development events, and career observation to give you broad exposure to that focus. You'll gain practical skills for honing your career goals and approaching the college planning process, finding and filling out scholarship applications, and creating a professional portfolio. This course requires enrollment for terms 1 and 2. The class incorporates online learning components with potential opportunities for release days so that students can pursue educational and internship opportunities.

Senior Agriculture C/D - Career Experience

Course: 0843/0844

Grade: 12 (offered quarters 3 & 4)

Prerequisites: Students must be a senior (or a junior in special circumstances), and have successfully completed Senior Agriculture A - Career Investigation (0841) and B (0842).

Increase your knowledge of agriculture by working in one or more businesses that are related to the Agriculture, Food and Natural Resources career pathway. As you gain real-world experience, you'll keep a log of what you're learning and identify next steps for career development. This course is offered 5th period quarters 3 & 4 and will include student release and online learning opportunities. Students who did not enroll in Senior Agriculture A & B MUST have instructor permission prior to enrolling in this course.

FFA

FFA helps high school agriculture students become more self-confident, explore exciting careers and become leaders with a vision for the future. FFA changes lives. For more information about our department & FFA activities visit our website at:

www.forestlakeffa.org



Forest Lake FFA Chapter

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Art

One credit in the arts is required between grades 9-12. This requirement can be met through either visual arts courses (offered in the Art Department) or performing arts courses (offered in the Music Department).

Students must take Intro to Art before taking additional art classes with the exception of Photography, Lost in Space, or Yearbook.

Courses Shown Below

<p>Introduction to Art</p> <p>Introduction to Art must be taken BEFORE any other art courses, EXCEPT those listed in blue.</p> <p><u>Introduction to Art (9-12)</u> (formerly Design Basics)</p>	<p>Singleton Art Classes</p> <p><u>Lost in Space/3D Art (9-12)</u> <u>Art Exploration (9-12)</u></p>
<p>Ceramics</p> <p>Courses must be taken in this order. Students may stop at any time.</p> <p><u>Ceramics (10-12)</u> <u>Advanced Ceramics (10-12)</u> Independent Study (11-12)</p>	<p>Related Arts</p> <p>(Mixed-Media & Jewelry)</p> <p>Courses must be taken in this order. Students may stop at any time.</p> <p><u>Related Arts (10-12)</u> <u>Advanced Related Arts (10-12)</u> Independent Study (11-12)</p>
<p>Drawing & Painting</p> <p>Courses must be taken in this order. Students may stop at any time.</p> <p><u>Drawing & Painting (9-12)</u> <u>Adv. Drawing & Painting (10-12)</u> Independent Study (11-12)</p>	<p>Digital Imaging</p> <p>Courses must be taken in this order. Students may stop at any time.</p> <p><u>Digital Imaging (9-12)</u> <u>Advanced Digital Imaging (10-12)</u> Independent Study (11-12)</p>
<p>Drawing & Print Making</p> <p>Courses must be taken in this order. Students may stop at any time.</p> <p><u>Drawing & Printmaking (9-12)</u> <u>Adv. Draw. & Printmaking (10-12)</u> Independent Study (11-12)</p>	<p>Photography</p> <p>Courses must be taken in this order. Students may stop at any time.</p> <p><u>Photography 1 (9-12)</u> <u>Photography 2 (10-12)</u> <u>Studio Photography (10-12)</u></p>
	<p>Yearbook</p> <p><u>Yearbook A&B (11-12)</u></p>

Intro to Art (formerly Design Basics)

Course: 1002

Grade: 9-12

Intro to Art fulfills the prerequisite to take other art courses

What is Art? This course will provide a foundation for creating visual art and develop an understanding of the language of art. Through hands-on experiences, students will have the opportunity to explore a variety of media and techniques in creating their own artworks. In addition to creating art, students will strengthen skills in critical and creative thinking through discussion and reflection activities. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)



Lost in Space/3D Art

Course: 1003

Grade: 9-12

Prerequisite: Intro to Art

Lose yourself in the third dimension. Lost in Space/3D Art is a foundation course covering various three-dimensional Art materials and media. In this class, emphasis is placed on the creative application of design as it applies to three-dimensional Art forms. Some units of study may include the following Art projects: 3D perspective drawing, realistic and abstract sculpture, ceramic sculpture, hand-built pottery, weaving, and architecture. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Art Exploration (formerly Fundamentals of Art)

Course: 1006

Grade: 9-12

Prerequisite: Intro to Art

Explore your creativity through art! This course builds upon foundations learned in Intro to Art. Students will further explore art tools and materials to discover their own style, voice and interpretation. This class will further investigate art in our world from personal, social and cultural perspectives. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Ceramics

Course: 1010

Grade: 10-12

Prerequisite: C- or higher grade in Intro to Art

This course is designed for students to explore the media of high fire stoneware clay. The creative process will challenge

students with the techniques of wheel thrown and hand-built construction of pottery. Projects will require construction and finishing with glaze or paint. All glazed projects are lead-free and functional to use in an oven or microwave, and are dishwasher safe. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)



Advanced Ceramics

Course: 1020

Grade: 10-12

Prerequisite: B- or higher grade in Ceramics, or instructor permission/approval

This course explores the clay medium at a more rigorous level. Works will require a greater commitment to technique and quality. Students who were very successful in Ceramics are encouraged to take this class. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

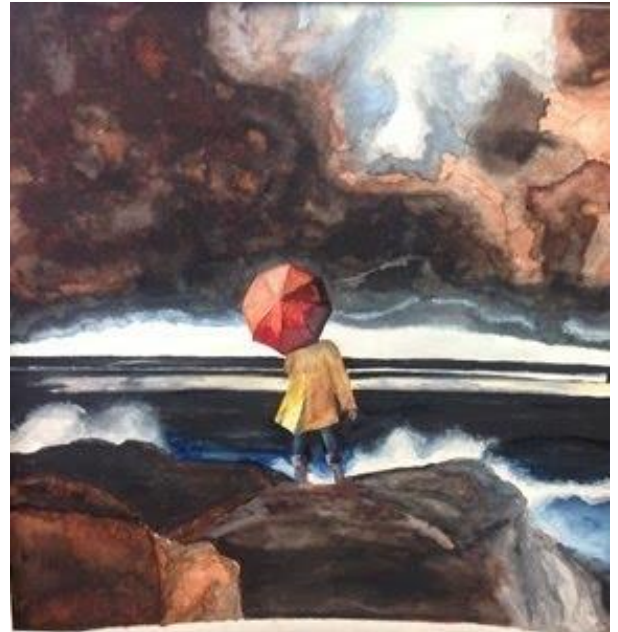
Drawing & Painting

Course: 1110

Grade: 9-12

Prerequisite: C- or higher grade in Intro to Art

This course will be divided into two main study areas: Drawing, with an emphasis on forms and the human figure using pencil, ink, oil pastels and chalk; and Painting, exploring techniques in acrylic, tempera, and watercolor. Short histories of each area will be incorporated into the course as well as appreciation for, and critiquing of, all types of artwork. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)



Advanced Drawing & Painting

Course: 1120

Grade: 10-12

Prerequisite: B- or higher in Drawing and Painting, or instructor permission/approval

This course is designed for the more motivated and focused individual. Students will develop a more in-depth study of their work and interests. Individuals will be encouraged to develop a portfolio. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Photography I

Course: 1200

Grade: 9-12

This course is highly technical and rigorous, and is intended for students seeking a challenging experience. This course will introduce students to digital camera techniques, uploading images, post production, manipulating images and printing

output. Picture taking assignments will include the elements and principles of design, lighting, and composition. Students are strongly recommended to provide their own digital camera. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Advanced Photography

Course: 1210

Grade: 10-12

Prerequisite: B- or higher in Photography I or instructor permission/approval

This is a study into specialized areas of the photographic process. It will cover special effects in digital photography, and introduce students to techniques such as stop motion animation & video production. The term will culminate with a portfolio of student work to be posted on the web. Each student must provide their own digital camera. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Studio Photography

Course: 1215

Grade: 10-12

Prerequisite: B- or higher in Photography I & Advanced Photography, or instructor permission/approval

This is a study into specialized areas of the photographic process. It will cover special effects in digital photography, and introduce students to techniques and procedures used in the various photographic occupations. Students will be able to choose their own area of focus. Each student must provide their own digital camera. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Drawing & Printmaking

Course: 1310

Grade: 9-12

Prerequisite: C- or higher grade in Intro to Art

This course will develop drawing skills with an emphasis on perspective and shading techniques. Fine art printmaking techniques will include dry point engraving, lithography, block printing and embossing. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Advanced Drawing & Printmaking

Course: 1320

Grade: 10-12

Prerequisite: B- or higher in Drawing & Printmaking, or instructor permission/approval

This course is an extension of Drawing and Printmaking. Students will explore the two main areas of Drawing and Printmaking at a more in-depth, advanced level. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Related Arts (Mixed-Media & Jewelry)

Course: 1410

Grade: 10-12

Prerequisite: C- or higher grade in Intro to Art

This course will cover several areas of study: jewelry techniques such as metal fabrication (cutting, piercing, soldering, stone setting), casting, glass fusing, containers (basketry, boxes, holding vessels), mosaics, and bookmaking. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)



Advanced Related Arts

Course: 1420

Grade: 10-12

Prerequisite: B- or higher in Related Arts or instructor permission/approval with a grade of C- or better

This course is an extension of related arts with an emphasis on more advanced skills of stone settings, lost wax casting, composition and research. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Digital Imaging

Course: 1610

Grade: 9-12

Prerequisite: C- or higher grade in Intro to Art

Digital Imaging is an introductory course to layout designs and Adobe Creative Suite. Course study will include graphic design, page layouts, illustration, computer graphics, advertising applications, and use of multimedia. This course will fulfill .5 of the 1.0 Art credit requirement needed for graduation. (See Credit Requirements in the Academic Overview section of the Registration Guide.)

Advanced Digital Imaging

Course: 1620

Grade: 10-12

Prerequisite: B- or higher in Digital Imaging, or instructor permission/approval

This course is a more advanced level of the studies than Digital Imaging. More emphasis will be placed on computer generated products and more in-depth study.

Yearbook A/B

Course: 4701/4702

Grade: 11-12

Students will register for a full year of these two courses. Yearbook A (4701) is only offered during semester 1, and Yearbook B (4702) is only offered during semester 2. Students will be creating the annual "Forester" yearbook by researching, interviewing and writing. Creating layouts, sideboards, taking photographs, compiling information, and marketing are skills learned in the courses. Students who register for these courses need to have high academic skills,

effective communication skills and be able to work both independently as well as cooperatively. All interested students are encouraged to register. However, the size of the staff is limited so interviews may be held to determine who would best meet the criteria. **This course may be repeated.** It does fulfill the art credit requirement.



Business Education

The Business Department is a rich elective area that provides students with the opportunity to explore careers in business, ranging from Technology and Accounting, to Law and Marketing.

"Over 70% of the fastest growing fields are in the area of business" - Forbes. Courses in the business department will prepare you to enter a wide variety of fields, while learning skills that can be used today.

Business Education is COLLEGE READY. Earn up to 15 free college credits through the Ranger U program. These classes include Principles of Marketing, College Introduction to Business, Business Computer Applications, Human Relations in Business, and Business Information Systems. Each class is three free college credits that can transfer with you after graduation. You can also complete the college class track and earn a *Business Essentials Certificate* through Pine Technical and Community College that can kick start your career! To earn the *Business Essentials Certificate*, students must also earn a 3, 4, or 5 on the AP Language and Composition Test or take and earn the credit for CIS Writing.

Courses Shown Below

Accounting

[Accounting I \(9-12\)](#)

[Accounting II \(9-12\)](#)

[Accounting III \(10-12\)](#)

Business Management

[Business Leadership \(11-12\)](#)

[Hospitality & Tourism Mgmt \(9-12\)](#)

[Personal Money Mgmt \(11-12\)](#)

[Web Design & Social Media Marketing \(9-12\)](#)

Law

[Business & Personal Law I \(9-12\)](#)

[Business & Personal Law II \(9-12\)](#)

Business Essentials

Certification Program

[Principles of Marketing \(10-12\)](#)

[College Intro to Business \(10-12\)](#)

[Human Relations in Business \(10-12\)](#)

[Business Info Systems \(10-12\)](#)

[Business Computer Applications \(10-12\)](#)

Certificate requires one of the following English classes:

[AP Language & Composition](#)

OR

[CIS University Writing & Critical Reading](#)

Web Design & Social Media Marketing

Course: 2022

Grade: 9-12

The fast paced world of web design is exciting and profitable, creative and fun. This is self-directed online course in a lab setting. Student will use a variety of software applications such as Gimp, Notepad++ and Bluegriffon. This project-based class will prepare students for a career and a future in a field that is always growing!

Personal Money Management

Course: 2027

Grade: 11-12

Prepare for financial success and learn to use Microsoft Excel. Students will compete with each other by picking stocks in an investing simulation. Students will work on practical applications like paying for college, managing credit, budgeting and purchasing a car. This course provides the skills students need to compete in today's job market and handle personal finance. Students will make a plan for after they leave Forest Lake High School. They will complete actual applications for colleges and scholarships. This is a great course to help prepare for the future, and get off to a good start financially.



Business Information Systems (formerly: Today's Technologies)

Course: 2040

Grade: 10-12

Prerequisite: **PTCC** requires students to meet one of the following assessments: **ACT** of 22 or higher, **MCA** reading score of 1047 or **Accuplacer** scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Prerequisite: Successful completion of Accounting I

This course introduces students to computer-based information systems within business organizations. Students will learn the strategic and administrative roles of information systems in business and explore how you can gain a competitive advantage!

This class will earn **THREE FREE COLLEGE CREDITS** through Ranger U. This class also fulfills one of the five classes to earn a business essentials certificate though Pine Technical and Community College!

Business Computer Applications (formerly: Microsoft Office Suite)

Course: 2050

Grade: 10-12

Prerequisite: **PTCC** requires students to meet one of the following assessments: **ACT** of 22 or higher, **MCA** reading score of 1047 or **Accuplacer** scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



There are over 500 million Microsoft Office users in the world! This class will teach the skills needed in this global marketplace. This project-based class will prepare students to create business documents using Microsoft Office Word, Excel, PowerPoint, and Access. Students will learn business productivity software applications such as word processing, spreadsheets, databases and presentation graphics, as well as the principles of professional behavior in computing and business-oriented internet use.

This class will earn **THREE FREE COLLEGE CREDITS** through Ranger U. This class also fulfills one of the five classes to earn a business essentials certificate through Pine Technical and Community College!

Accounting I

Course: 2100

Grade: 9-12

Accounting is a class that every student will use in life. Everyone, personally or for a business, must plan ways to keep spending within available income. All persons must keep personal financial records. Accounting I will prepare students with the skills to help them understand the financial accounting of a business in their career choice and in their personal lives.

Accounting II

Course: 2110

Grade: 9-12

Prerequisite: Successful completion of Accounting I

Many jobs are available in the accounting field. Many people use accounting as a means of earning a living. Students will use an accounting simulation to give them a realistic hands-on experience of the business world. After completing Accounting II, students will have gained enough marketable skills to begin an entry-level job as an accounting clerk. This course is a continuation of Accounting I and should be taken in succession for best results.

Computerized Accounting/Accounting III

Course: 2120

Grade: 10-12

Prerequisite: Successful completion of Accounting II

Accurate accounting records contribute to business success and help to avoid failure and bankruptcy. An increasing amount of accounting work is done using computers. Accounting III emphasizes computerized accounting systems as well as advanced accounting concepts and principles. This class will serve as a good foundation for students who plan to continue accounting at the college level.

Principles of Marketing (formerly: Marketing)

Course: 2220

Grade: 10-12

Prerequisite: PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



This class will explore the interactive and exciting field of marketing. This project-based class will explore the principles of marketing strategy planning, including target market and marketing mix variables, with emphasis on key strategy decisions in each area. Students will learn organizational marketing activities including consumer behavior, marketing research, social/cultural perspectives, legal and ethical issues, and environmental influences. The course will also cover implementation, control, marketing link with other functional areas, and the challenges and opportunities that exist for marketers. **This class will earn THREE FREE COLLEGE CREDITS through Ranger U. This class fulfills one of the requirements for the business transfer pathway AS program through Pine Technical and Community College!**

College Introduction to Business (formerly: Entrepreneurship)

Course: 2230

Grade: 10-12

Prerequisite: PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Want to run your own business? This class encourages students to examine all the major steps involved in starting a new business: Ownership, Strategy, Finance, and Marketing. Develop a business plan and learn what it takes to get an entrepreneurial venture off to a good start.

This class will earn THREE FREE COLLEGE CREDITS through Ranger U. This class also fulfills one of the five classes to earn a business essentials certificate though Pine Technical and Community College!

Human Relations in Business (formerly: Sales)

Course: 2240

Grade: 10-12

Prerequisite: PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Ready to be the boss? This course introduces human relations principles, methods and skills applicable to management effectiveness and career success. Students will learn about principles and methods of organizational communication, professionalism, motivation, team building, conflict resolution, leadership, negotiation, cultural differences, and personal communication.

This class will earn THREE FREE COLLEGE CREDITS through Ranger U. This class also fulfills one of the five classes to earn a business essentials certificate though Pine Technical and Community College!



Business and Personal Law I

Course: 2300

Grade: 9-12

Ignorance is no excuse. What should be said to the police if someone is arrested? Take Personal Law I to learn the answers to the following questions and more. What is the difference between murder and manslaughter? When can a juvenile be tried as an adult in the state of Minnesota? These and other pertinent legal questions will be answered in this elective course. Topics include an introduction to law, fraud, negligence, property crimes, and crimes against people, with special emphasis on alcohol-related crimes such as drunk driving. The main emphasis of the course is to provide students with the legal information they will need to know as young adults in today's society. The course includes guest speakers (when available), group activities, and an opportunity to visit the Washington County Jail. Year in and year out, this course continues to be the most popular elective at the high school.

Business and Personal Law II**Course: 2310****Grade: 9-12**

Personal Law is a course that will prepare students for future legal and practical life issues. Students will undoubtedly face challenges as they move into the adult world, and this course will help them develop skills needed to conquer them. Over one-half of the course material covers Constitutional issues, such as freedom of speech and religion, gun control, and the rights of the accused. The balance of the course deals with issues involving law enforcement, personal safety, the courts, prisons, and landlord/tenant law. Students will also study a unit on technology and social media laws. Year after year, Personal Law has been a very popular elective course. The material is both interesting and fun.

Business Leadership**Course: 2316****Grade: 11-12**

This is the chance to take the lead in business! This course will create an actual non profit business to be run and managed by students! This class will be designed to have a positive impact on the local community, while teaching skills that will propel students into the world of management and leadership. Get involved and make an impact!

Hospitality and Tourism Management**Course: 2317****Grade: 9-12**

Have you ever wondered what it would take to run a hotel, restaurant or club? This course welcomes students into the exciting and diverse hospitality and tourism industry. While providing an understanding of the scope and complexity of the industry, the course covers key hospitality issues, management definitions, and career opportunities available in restaurants, hotels, beverage operations, sports venues, entertainment centers, cruise lines, and countless other hospitality and tourism business. Topics include introduction to management issues in all aspects of the hospitality industry, including human resources, customer service, operations, marketing, and planning. This course is an asset to any student interested in exploring career opportunities in hospitality and tourism industry

English Language Arts Courses

Four Language Arts credits are required in grades 9-12. However, students are encouraged to take as many Language Arts elective courses as their schedules allow.

Courses Shown Below

Click title to see course description and prerequisites

Required Courses

Courses listed by level of rigor.

Requirement	Course Options
9th Grade English (2 classes)	English 9 A&B
10 Grade English (2 classes)	English 10 A&B
Communication 1 class minimum additional courses may be taken as electives	CIS Advance Public Speaking (11-12) OR Speech (10-12) OR Argumentation (10-12) OR Communication Theory & Practice (10-12)
	AP English Language & Composition A&B (11-12) OR

Writing 1 class minimum additional courses may be taken as electives	CIS University Writing & Critical Reading (12) OR College Prep Composition (11-12) OR Writing Workshop (11-12)
Literature 1 class minimum additional courses may be taken as electives	CIS Intro to Literature (12) OR World Literature (11-12) OR Literature of the Imagination (11-12) OR Popular Literature in Spanish (11-12) OR Popular Literature (11-12)
English Elective Requirement 1 class	In addition to the requirements above, 1 additional class is required for graduation (.5 credit).

Elective Courses

[Technical Writing \(9-12\)](#)

[Creative Writing \(9-12\)](#)

[Technical Theatre \(9-12\)](#)

[Theatre Directing & Performance \(9-12\)](#)

[Introduction to Media \(9-12\)](#)

[Mass Communication \(9-12\)](#)

Elective courses may also be taken from required categories listed on the left.

English 9A/B

Course: 4991/4992

Grade: 9

Students will engage in a variety of reading and writing activities, many of their own choice, as well as selected literature and writing assignments. Students will develop the following skills: analyzation and interpretation of novel, drama, short story, nonfiction and poetry, research methods, formal speaking, grammar and vocabulary in the context of writing. This course is aligned with the high school level Language Arts Minnesota Academic Standards.

English 10A/B (formerly American Literature A/B)

Course: 4004/4005

Grade: 10

Content for this course is drawn from the literature of America before 1900. Through examination of literature in small groups, student projects, and individual effort, students learn to identify typically American themes still evident in our society. Regular emphasis is given to writing and responding to literature in order to develop strong literacy skills. English 10B continues the impressive collection of American literature begun in English 10A. A variety of genres is covered, such as poetry, novels, dramas, and short stories. This course presents a concise yet powerful view of the American literary experience from the Civil War to the present. Students will analyze and respond to literature in several ways, including thematically examining the "American Dream".

AP English Language and Composition A/B

Course: 4020/4021

Grade: 11-12

Recommended: An “A” average in 10th grade English and/or teacher recommendation.



This first year college level course offers students an intensive study in both literature and composition. This course will teach students how to identify, analyze and utilize the power of rhetoric. The genre of the nonfiction essay will be explored extensively as support to the themes in the literature. Students will demonstrate their achievement of college-level work by taking the AP English Language and Composition exam in the spring. This course meets the Language Arts writing requirement and adds a Language Arts elective. Students must register for both English Language and Composition A and B.

Communication Theory & Practice

Course: 4100

Grade: 10-12

Students are required to take Speech, Communication Theory and Practice, or Argumentation. Communication Theory and Practice prepares students to demonstrate effective communication skills in personal, community and/or work settings. Presentation is the core of class activity as students analyze communication situations, solve problems, participate in dialogue and reflect on their communication practices and observations. Emphasis is on effective speaking and listening in a variety of communication situations. This course meets the Language Arts Communication requirement.

Speech

Course: 4105

Grade: 10-12

Students are required to take Speech, Communication Theory and Practice, or Argumentation. Speech requires students to research, construct, analyze and deliver speeches for a variety of purposes and audiences. Skills will be developed in critical analysis of informational and persuasive sources. Presentations may include any of the following: persuasive, informative, impromptu and rhetorical analysis. Students will work on improving communication skills in partner and small group settings. It is strongly recommended that sophomores wait until their junior or senior year to register for this course. This course meets the Language Arts Communication requirement.

CIS Advanced Public Speaking

Course: 4115

Grade: 11-12



Prerequisite: Juniors and Seniors must be in the top 50% of their class and carry a “B” average, or permission of instructor.

This course continues the study of public speaking for speech enthusiasts and college-bound students. Students will research issues and evaluate proposed positions or solutions using a variety of public speaking methods to communicate their findings. Specific speeches include persuasive forms of public speaking. In addition to completing in-depth issues analysis, students can expect to improve their skills influencing others, improve rational thinking, improve study habits, and improve their abilities overall to effectively communicate and speak in public. This course meets the Language Arts Communication requirement. **Successful completion of this course may enable students to earn 3 semester credits from the University of Minnesota. (Communications 1101:Introduction to Public Speaking)**

Argumentation

Course: 4116**Grade: 10-12**

Students are required to take Speech, Communication Theory and Practice, or Argumentation. This course offers college-bound students an opportunity to develop their understanding of researching and analyzing issues. Students conduct research, develop arguments and defend those arguments in both a competitive and academic setting. Students will also discuss the history of argumentation, the importance of argument in a democratic society and the need for critical analysis of information. Successful completion of this course requires independent work outside of class, the ability to access electronic information, and a comfort speaking in front of peers. This course meets the Language Arts Communication requirement.

Technical Writing**Course: 4205****Grade: 9-12**

Students write original, practical works for a variety of professional purposes, situations, and audiences. Students learn clear and concise writing techniques and acquire written communication skills to better prepare them for the workplace. Assignments include writing memos, business letters, cover letters, technical instructions, brochures, reports and business proposals. Emphasis is placed on correct usage, grammar, formatting, and development; students can expect to revise some assignments until correctness is attained. Students are expected to actively participate in a peer review process. Technical Writing benefits all students who are serious about improving their writing skills. This course meets the Language Arts elective requirement but NOT the writing requirement.

College Prep Composition**Course: 4206****Grade: 11-12**

Students will learn and utilize the writing process through an intensive writing workshop geared toward the rigor of college-level writing. Along with several differing essay formats, students read a variety of essays pertaining to the style and techniques being discussed. The central goal of this course is to bring the writing ability of the high school student to a level that will be successful in a college setting. Students who plan to attend a 4-year college (or a 2 year college to do generals) are recommended to take this course during the junior year of high school. This course meets the Language Arts writing requirement.

Writing Workshop**Course: 4207****Grade: 11-12**

Writing Workshop gives students the opportunity to explore the various modes of writing they will encounter in high school, professional, and post-secondary settings, including narrative, expository, and argument. Students will write and revise a variety of short pieces and three major papers. Throughout the course, students will build essential writing skills. This course meets the Language Arts writing requirement.

Creative Writing**Course: 4210**

Grade: 9-12

Creative Writing helps students discover the process of art-making with words. It accomplishes this by developing an awareness of the students' five senses, expanding their imaginations, and alerting them to the relationships between things and people. Exercises focus on writing scripts, short fiction, and poetry. Examples of various authors' works will provide a basis for writing. This course meets the Language Arts elective requirement but NOT the writing requirement.

CIS University Writing & Critical Reading**Course: 4220****Grade: 12****Prerequisite: Top 20% of the senior class or teacher's permission**

This course provides writing practice which, combined with reading and discussion, is designed to form new strategies for inventing, focusing, drafting, organizing, revising, and editing. While writing four major papers, students will individually and collaboratively analyze, critique, and evaluate writing as college readers and writers. This course meets the Language Arts writing requirement. **Successful completion of this course may enable students to earn 4 semester credits from the University of Minnesota. (Writ 1301)**

Literature of the Imagination**Course: 4301****Grade: 11-12**

This course centers on the imagination. It examines hypotheses about our beginnings, the reasons for our behavior, our ideals of heroism, our need to make a better world, and our curiosity about our future life. Throughout the term, literature of various cultures will be studied in the format of myths, legends, fantasy, folklore, horror stories, and science fiction. Students will also be reading and studying three novels: Frankenstein by Mary Shelley, Fahrenheit 451 by Ray Bradbury, and a choice novel. This course meets the Language Arts Literature requirement.

World Literature**Course: 4306****Grade: 11-12**

World Literature provides college-bound students with an excellent background in acclaimed literature. Studies include major writings that have influenced American culture. A variety of genres are read with emphasis on different perspectives. This course provides challenging reading material and is recommended for students who enjoy discussing a variety of concepts. This course meets the Language Arts Literature requirement.

Popular Literature**Course: 4316****Grade: 11-12**

Literature, with its potential to entertain and challenge, provides a perfect setting to explore new worlds and new ideas. This is the purpose of Popular Literature. It is designed to continue the study of literary terms and structure begun in American Literature or American Voices and relate them to current themes and topics in literature and society today. Students will examine, discuss, and write about some of the best popular literary selections including modern novels, short stories and essays. Additionally students will read and study five novels. This course meets the Language Arts Literature requirement.

Popular Literature - In Spanish

Course: 4317

Grade: 11-12

Prerequisite recommendation: Enrolled in Spanish V or Completion of Spanish V



This course is designed for students with a strong Spanish language background. The reading, writing, and discussion will be in Spanish. Literature, with its potential to entertain and challenge, provides a perfect setting to explore new worlds and new ideas. This is the purpose of Popular Literature. It is designed to continue the study of literary terms and structure begun in American Literature or American Voices and relate them to current themes and topics in literature and society today. Students will examine, discuss, and write about some of the best popular literary selections including modern novels, short stories and essays. Additionally students will read and study five novels. This course meets the Language Arts Literature requirement.

CIS Introduction To Literature

Course: 4320

Grade: 12



Prerequisite: Top 30% of the senior class

In this rigorous and exciting class, students read a wide variety of texts set in a broad range of historical and cultural contexts. College level discussions of literary form and interpretation focus on construction of understanding and evaluation. Extensive critical theory will be examined and utilized. Assessment is based on participation in literary groups, reader notebook entries and formal papers. **This course meets the**

Language Arts Literature requirement. Successful completion of this course may enable students to earn 4 college credits from the University of Minnesota. (Eng L 1001W)

Technical Theatre

Course: 4405

Grade: 9-12

Technical Theater explores the technical aspects of theater, including stage lighting, sound, set design, costume design, properties, publicity, and studying plays. Students will also read and analyze several plays and articles, and research historical connections in theater. No previous theater experience is required; however, a strong interest in technical theater is preferred. This course meets the Language Arts elective requirement.

Theatre Directing & Performance

Course: 4406

Grade: 9-12

This course explores the performance elements of theater. Units include monologues, scene work, dramatic structure, and improvisational theater. Students learn how to be knowledgeable and critical audience members. They will also demonstrate their understanding of theater through play analysis, the creation and performance of in-class theatrical productions, scripting, and directing their peers in scenes. This course meets the Language Arts elective requirement.

Introduction to Media

Course: 4407

Grade: 9-12

Students will learn about the elements and structure of forms of media. Multiple approaches for the interpretation and analysis of television, newspapers, magazines, the internet and film will be explored. These will be examined for their historical, social, and cultural significance as well as basic production elements. Attention will also be paid to the ever-changing role of advertising in mass media. This course meets the Language Arts elective requirement.

Mass Communication

Course: 4409

Grade: 9-12

In this course, students will sharpen reading, writing and speaking skills while learning about several aspects of media production through journalism. Each student will be actively involved in maintaining a school news outlet called "Ranger Media". Media to be produced include: video news stories, print news stories, blogs, and radio news shows/Podcasts. Specific skills to be practiced include filming, photojournalism, video editing, interviewing, news writing and editing, audio recording, and verbal delivery of the news. While working within the genre of journalism, students will also learn media production skills that are broadly applicable. This course is a prerequisite for Advanced Mass Communication.

ALC Only:

Creative Writing and Performance

Course: 4230

This course guides students through the creation and analysis of various genres of storytelling and presentation. Students will work to make meaning of the ideas, values and experiences of others through a variety of mentor texts and performances. As a community of writers, students will explore their own imagination and style through several different writing and performance exercises for different audiences. Taking a multi-modal approach to storytelling and performance, students will fill digital backpacks with creative writing and design activities that show artistic voice.

Family & Consumer Science

The Family and Consumer Sciences (FCS or FACS) is the comprehensive body of skills, research, and knowledge that helps people make informed decisions about their well being, relationships and resources to achieve optimal quality of life. In FCS or FACS classes, students will develop skills, knowledge, attitudes, and behaviors that are needed for creative and critical thinking, character development, interpersonal communication, practical knowledge and career preparation.

The Family and Consumer Sciences Department offers electives for students to explore interests and potential careers in the areas of financial literacy, child and human development, culinary arts, fashion, interior design, and sewing.

Psychology of Childhood and Exploring Childhood courses offer credit through concurrent enrollment with Pine Technical and Community College.

Courses Shown Below

Click title to see course description and prerequisites

Culinary Cultures and Cuisine (9-12) Food Choices (9-12) Teen Chef (9-12) Intro to Culinary A&B (10-12) Advanced Culinary A&B (11-12)
Design Fashion Marketing & Design (10-12) Interior Space & Design (10-12)

Education & Human Services Family Dynamics (9-12) Psychology of Childhood (10-12) Exploring Childhood A&B (11-12)
Finance Financial Skills for Life (11-12)
Textile Sewing Basics (9-12) Quilting Connections (10-12) Adv. Sewing Techniques (10-12)

- **Teen Chef**

Course: 2991

Grade: 9-12

What makes popcorn pop? Why does bread rise? Ever wonder what all of those ingredients are in your food and what they do? Students will examine why foods change when heated, frozen, or mixed together by preparing a variety of recipes within the major food groups.

Sewing Basics

Course: 2500

Grade: 9-12

Do you want to sew your own fashion forward clothes? In Sewing Basics students will develop and refine sewing skills while creating easy-to-sew garments. Projects including lounge pants, tote bags and mittens will introduce students to beginning sewing skills such as pattern fitting, technical sewing terminology and construction techniques. **Note: Students must earn a "C" or higher in this course in order to register for Advanced Sewing Techniques.**



Fashion Marketing and Design

Course: 2505

Grade: 10-12

This course focuses on the history and traditions of the global fashion industry - from haute couture design to budget priced mass market apparel. Students will develop an understanding of selling tools such as textile basics, fashion terminology, and apply the elements and principles of design to clothing, and color trends that increase sales and profitability at retail. Students will also explore the psychological and sociological factors that influence consumer behavior and guide contemporary marketing strategies at the retail level.

Quilting Connections

Course: 2506

Grade: 10-12

This course will introduce students to the creative process of quilting. Students will learn techniques of fabric color and pattern coordination, quilt designing, rotary cutting, and quilt assembly on the sewing machine. Contemporary designs and sewing methods will be introduced. Students will make sample quilt blocks, a machine quilted sampler and a final project of their choice. The class will make a quilt to donate to a local family service organization. This class is open to all grades and sewing abilities. **Note: Students must earn a "C" or higher in this course in order to register for Advanced Sewing Techniques.**

Advanced Sewing Techniques

Course: 2510

Grade: 10-12

Prerequisite: "C" or higher in Sewing Basics or Quilting Connections or instructor approval.

Advanced Sewing Techniques will continue the development of sewing skills through creation of garment or quilting projects. Students will utilize knowledge and skills they have previously developed to select or design projects. Advanced techniques will be mastered to construct and evaluate projects. Textile careers will be identified and analyzed.

Food Choices

Course: 2600

Grade: 9-12

DID SOMEONE SAY FOOD? Learn how food plays a role in overall health and nutrition, particularly for teenagers. Students will learn to find their way around the kitchen, and develop basic food preparation skills to produce healthy, delicious meals and snacks. Students will analyze their eating habits using nutrition software and provide a meal for classmates and guests.

Cultures & Cuisine

Course: 2605

Grade: 9-12

Explore different cultures around the world, and learn their food customs first-hand by preparing them! Discover the different cultures of food, including historical, familial, ethnic, regional and more. Build on basic cooking skills and explore the role that food plays around the world. Students will prepare and taste a wide variety of foods. Must be open to trying new foods.

Introduction to Culinary Arts A/B



Course: 2614/2615

Grade: 10-12

This course runs for two consecutive terms. Students must register for both Introduction to Culinary Arts A and B.

This is a course developed by the National Restaurant Association as an industry based course that prepares students for careers in the restaurant or hospitality and lodging fields. Students gain valuable industry skills through their academic and possible workplace experiences. The course combines culinary essentials and food service management skills. Students are given a head start toward exciting and rewarding hospitality careers.

Advanced Culinary Arts A/B

Course: 2616/2617

Grade: 11-12

Prerequisite: "C" or higher in Intro to Culinary Arts A & B

This course runs for two consecutive terms. Students must register for both Advanced Culinary Arts A and B.

This course will aid in continued development of skills for the restaurant, hospitality and lodging industry. Students will have the opportunity to participate in work experience within the industry. Students will refine their culinary skills in this advanced course. Students will develop menus for managing marketing and sales procedures in relation to the food industry. **At the conclusion of the course, students will be eligible for a National Certificate from the National Restaurant Association.**

Interior Space & Design

Course: 2700

Grade: 10-12

This course teaches students how to read and draw floor plans, create room arrangements, coordinate color and design of furniture, window, wall and floor treatments, and plan individualized living spaces while utilizing the principles of design. The final project brings all the learning together when students design their own apartment, calculate the cost of furnishings, and create a long-term plan for decorating.



Financial Skills for Life (Formerly Independent Living)

Course: 2706

Grade: 11-12

This course will furnish students with financial skills needed for personal resource management now and in the future. The course addresses a wide range of topics including: goal setting and planning for major purchases, banking, checking, savings, handling credit, purchasing insurance, making housing and rental payments, paying bills, budgeting, preparing personal income tax statements, preventing common consumer complaints, and selecting investment options. An

ongoing online banking simulation game is played throughout the course.

Psychology of Childhood

Course: 2800

Grade: 10-12

This course offers the unique experience of learning about children by working with them. Students operate a playschool program for 3, 4 and 5 year olds. The students have the responsibility of planning and teaching the children in the playschool. Prior to teaching preschool, students explore the areas of physical, intellectual, social, and emotional development. In addition, students learn how to write and practice teaching lessons. This course is a prerequisite to Exploring Childhood A & B, in which college credit may be available. Check with a FACS instructor for details. **Note: Students must earn a "B-" or higher in this course in order to register for Exploring Childhood A & B. Successful completion of this course, along with completion of Exploring Childhood A and B may enable students to earn 3 semester credits from Pine Technical and Community College. (CDEV 1210 Child Growth and Development)**

Family Dynamics

Course: 2805

Grade: 9-12

Examine the family, including how it functions and how it has changed over time. Determine what it means to be in a family, how and why families change, and what is needed to make a family work. Explore families in other cultures, and the role society and community play in family life. Learn how the family interacts within a community, and how the community affects the family.

Exploring Childhood A/B

Course: 2811/2812

Grade: 11-12

Prerequisite: B- or higher in Psychology of Childhood.

PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



This course runs for two consecutive terms. Students must register for both Exploring Childhood A and B.

This course is recommended for students considering careers involving children (counselor, social worker, teacher, pediatric medical or dental careers, child care and/or nursery school instructor, head start teacher, parent). Students work at the elementary schools with teachers and children. Senior high helpers will assist children with schoolwork, art activities, plays and remediation and enrichment, and may help teachers with special projects. Learning logs, observations, and small teaching projects give students the opportunity to see the growth and progress in children and themselves. Students receive ample opportunity to assess and evaluate children during their service at the elementary schools. **Successful completion of this course, along with completion of Psychology of Childhood may enable students to earn 3 semester credits from Pine Technical and Community College. (CDEV 1210 Child Growth and Development)**



Health Science Occupations

The Health Science Occupations Department (HSO) offers electives in which students explore interests ranging from Introduction to Health Careers, Emergency Medical Services (EMR), CPR, First Aid and Emergency Medical Technician (EMT). Students have the opportunity to earn college credit through Pine Technical and Community College. Students completing the EMS courses are eligible to be certified through the National Registry for EMS. Students completing the Introduction to Health Care Careers program are eligible to take the State test to become a Registered Nursing Assistance (NAR) through the State of Minnesota.

Courses Shown Below

Click title to see course description and prerequisites

- [Intro to Health Care \(12\) \(two class periods\)](#)
[Emergency Medical Responder \(11-12\)](#)
[Emergency Medical Technician A \(12\) \(two class periods\)](#)
[Emergency Medical Technician B \(12\) \(two class periods\)](#)



- **Intro to Health Care (meets two class periods)**

Course: 2436

Grade: 12

Prerequisite: **PTCC** requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Forest Lake High School, in partnership with Pine Technical and Community College, Fairview Lakes Medical Center, Parmly and Birchwood long term care facilities, is offering this course for students interested in exploring a career in a medical field. Through a combination of classroom lectures, labs, and 24 hours of clinical experience at nearby long term care facilities, students meet the requirements needed to take the Minnesota Nursing Assistant Competency exam. Passing this exam allows them to become Registered Nursing Assistants (NAR, CNA) throughout the State of Minnesota. This course also fills an entry requirement for many nursing programs. Before completing the clinical component of the course, students must undergo a background check and provide medical proof that they do not have Tuberculosis. Students must provide their own transportation for clinicals.

Students participate in a series of site visits to Fairview Lakes Medical Center, where they learn first-hand from professionals actually working in healthcare fields. Site visits cover the areas of Physical Therapy, Pharmacy, Intensive care, Emergency Rooms, Diagnostics, Obstetrics, Human Resources, Operating Rooms, and Volunteer Services. Transportation is provided for site visits. The course also includes First Aid and CPR certification for Healthcare Providers through the American Heart Association. Upon completion of the course, students will be CPR and First Aid certified. Basic medical terminology is incorporated into the course. Taking this course is a great way for students to explore whether the healthcare field is right for them. This course is worth 1 credit.

Successful completion of this course may enable students to earn 4 semester credits through Pine Technical and Community College. (HEOP 1510)

Emergency Medical Responder

Course: 2450

Grade: 11-12

Prerequisite: Successful completion Phy Ed 10

PTCC requires students to meet one of the following assessments: **ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.**



This course enables students with or without previous emergency care course experience to become a Minnesota State registered Emergency Medical Responder (EMR). This course is designed to provide the EMR at the scene of a medical or trauma emergency the necessary knowledge and skill to manage patient care until the arrival of ambulance personnel. The course will cover the following topics: body substance isolation, anatomy/physiology, patient assessment, vital signs, bleeding and shock control, spinal immobilization, splinting, bandaging, use of oxygen adjunctive equipment, water safety and life-saving techniques, working with ambulance stretchers and CPR. Ten hours of lab/community volunteer time are required. Opportunities to apply knowledge and skills will be provided. **Successful completion of this course may enable students to earn 2 semester credits through Pine Technical and Community College.**

Emergency Medical Technician A/B (each section meets 2 class periods)

Course: 2451/2452

Grade: 12

Prerequisite: Successful completion of Phy Ed 10 and Emergency Medical Responder.

PTCC requires students to meet one of the following assessments: **ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.**



This Emergency Medical Technician class meets or exceeds the United States Department of Transportation 2009 National EMS Education Standards for the Emergency Medical Technician. At the successful completion of the class the student who has reached their 18th birthday, will be eligible to take the National Registry EMT written and practical examinations.

Students may have the opportunity to work with simulation equipment and may participate in additional off campus experiences. The course will be taught by certified secondary Health Occupations Instructors licensed by the Minnesota Board of Teaching, nurses, paramedics, physicians and other health care professionals. Students must register for both Emergency Medical Technician A and B. Students earn 1 credit for each course. **Successful completion of these courses may enable students to earn 9 semester credits through Pine Technical and Community College.**

Industrial Technology

An estimated 31 million positions will be vacant by the year 2020 in the trades. Currently roughly 5.5 million jobs remain unfilled in America. This crisis exists because employers demand "job-ready" employees, and prospective employees are simply not able to bridge the skills gap without appropriate career education and training. There is a growing domestic demand for high-precision skills in the current job market. Students interested in pursuing careers in the industrial technology fields are encouraged to explore options throughout high school, beginning in Grade 9. Advanced courses and potential college credits are available for students who meet pre-requisite requirements.

Courses Shown Below

Click title to see course description and prerequisites

Metals

[Metals \(9\)](#) (Metals 9 is not a prerequisite to other metals courses)

Courses below must be taken in this order. Students may stop at any time.

[Intro to Metal Technology \(10-12\)](#)

[Welding & Machine Tool \(10-12\)](#)

[Metal Fabrication \(11-12\)](#)

Independent Study (11-12)

Woods

[Woodworking \(9\)](#) (Metals 9 is not a prerequisite to other woods courses)

Courses below must be taken in this order. Students may stop at any time.

[Cabinetmaking I \(10-12\)](#)

[Cabinetmaking II \(10-12\)](#)

[Cabinetmaking III \(10-12\)](#)

Independent Study (10-12)

Electronics

Courses must be taken in this order. Students may stop at any time.

Electricity & Electronic I (9-12)

Electricity & Electronics II (10-12)

Independent Study (10-12)

Carpentry

Courses must be taken in this order. Students may stop at any time.

Carpentry I (10-12)

OR

Cabinetmaking I (10-12)

THEN

Carpentry II A&B (11-12)

Independent Study (10-12)

Drafting - Computer Aided Design

Courses must be taken in this order. Students may stop at any time.

Intro to Computer-Aided Drafting (9-12)

Engineering & Drafting I (10-12)

Engineering & Drafting II (10-12)

Independent Study (10-12)

Drafting - Architecture

Courses must be taken in this order. Students may stop at any time.

Arcitecture I (10-12)

Arcitecture II (10-12)

Arcitecture III (10-12)

Independent Study (10-12)

Consumer Auto

Consumer Automotive (11-12)

Automotive Mechanics

Courses must be taken in this order. Students may stop at any time.

Power Mechanics I (10-12)

Auto Technology A & B (11-12)

Independent Study in Auto Technology

Power

Courses must be taken in this order. Students may stop at any time.

Power Mechanics I (10-12)

Power Mechanics II (10-12)

Independent Study in Power (10-12)

- **Woodworking**

Course: 3991

Grade: 9

This course is designed to give the student experience and confidence in the area of beginning woodworking. Power machine operation and safety are stressed throughout the course. Students will learn how to read and complete working drawings, plans of procedure and bills of materials. Students construct various projects with the use of hand tools and wood working machines. Throughout the course career possibilities will be discussed.

Metals

Course: 3992

Grade: 9

This course is designed for 9th grade students who are interested in obtaining basic knowledge about both hot and cold metals. During this course, students will study safety procedures, metal classification, hand and power tools, fasteners, sheet metal, hot metal and other areas associated with metals. A variety of projects will be constructed in both hot and cold metals.



Cabinetmaking I

Course: 3000

Grade: 10-12

Cabinetmaking I is for anyone interested in the fundamentals of machinery, hand tools, and joinery used in constructing furniture and cabinets. The student will be required to construct a project using a set of plans that include drawings, a bill of materials, and a procedure list. Units covered will include woodworking basics, finishing procedures, hardware, and special emphasis on safe and proper use of tools and machinery. **Successful completion of this class with a minimum of "C" grade is a prerequisite for Cabinetmaking II. Successful completion of this class with a minimum "B" grade is prerequisite for Carpentry II class.**

Cabinetmaking II

Course: 3010

Grade: 10-12

Prerequisite: Successful completion of Cabinetmaking I with a C or higher or instructor approval. It is also strongly recommended that students take Introduction to Drafting before taking this class.

Cabinetmaking II is for students who desire greater understanding and competence in woodworking. Students will learn basic cabinet design and construction methods. All students will design, draw, and build a custom cabinet.

Cabinetmaking III

Course: 3020

Grade: 10-12

Prerequisite: Successful completion of Cabinetmaking II with a C or higher or instructor approval.

Cabinetmaking III is for students interested in woodworking and who want to learn advanced techniques along with the application of skills acquired in prerequisite courses. The student will be expected to develop an original project, draw a detailed set of plans, and construct it.

Carpentry I

Course: 3015

Grade: 10-12

Carpentry is for anyone interested in the fundamentals of home construction. The student will be required to construct a scale home using a set of plans that include plot plan, foundation plan, and floor plans. Units covered will include building materials, leveling instruments, plans, specifications and codes, footings and foundations, floor framing, wall and ceiling framing, roof framing, stair construction and carpentry – A Career Path. **Successful completion of this class with a minimum "B" grade is a prerequisite for Carpentry II class.**

Carpentry II A/B (each section meets 2 class periods)

Course: 3025/3026

Grade: 11-12

Prerequisite: Successful completion of Carpentry I and Cabinetmaking I with a B or higher or instructor approval.

Students in this class will participate in the construction of a 1350 square foot, 3 bedroom home. The home will be constructed at the high school, then sold and moved. Students will receive detailed instruction in modern construction practices in areas such as concrete, framing, drywall, finishing roofing, plumbing and HVAC systems. Students will have the means to apply and develop these skills while constructing this house. Student achievement and work ethic in the prerequisite courses will be the criteria for selecting students to participate in this course. **This course runs for two consecutive terms. Students must register for both Carpentry II A and II B.**



Introduction to Metals Technology

Course: 3150

Grade: 10-12

Prerequisite: PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Introduction to Metals Technology introduces students to the basic concepts of machine shop, welding and other hot metal processes. Students will use machine tools, lathes, and milling machines. Students will also learn three common types of welding: MIG, Oxy and Arc. Forging will also be explored. Students will use their skills to complete required lab projects. Lab time will be utilized to develop the students' skill, while emphasizing safe work habits. **Successful completion of this course may enable students to earn 2 semester credits through Pine Technical and Community College (GSTP 1225).**

Metal Fabrication

Course: 3155

Grade: 11-12

Prerequisite: Successful completion of Introduction to Metals Technology, and Welding & Machine Tool Technology with a C or higher or instructor approval.

Metal Fabrication will utilize students previously learned skills to complete more complicated machine and welding projects. Metal Fabrication will apply skills developed in other metal classes. The student will be required to design and fabricate an advanced project. This may include one or more of the following processes: welding, machining, forging, and/or sheet metal. Students will be evaluated on project complexity, quality, work ethic and time management.

Welding & Machine Tool Technology

Course: 3162

Grade: 10-12

Prerequisite: Successful completion of Introduction to Metals Technology with a C or higher or instructor approval. (It is strongly recommended that students complete Introduction to Computer-Aided Design prior to taking this course.)

PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Welding and Machine tool technology introduces students to more advanced Machine Tool, MIG, Arc and Oxy welding concepts. Students will build on the basic skills and knowledge of Introduction to Metals Technology. Major emphasis is placed on work holding devices, location principles, inspection, tooling and cutting tools. Students will use their skills to complete required and individual projects. Lab time will be utilized to develop the students' skill, while emphasizing safe work habits. **Successful completion of**

this course may enable students to earn 4 semester credits through Pine Technical and Community College (MTTP 1245).

Electricity/Electronics I

Course: 3300

Grade: 9-12

Learn how to create electrical circuits where lights blink, buzzers blast, sirens ring, lights come on in the dark, burglar alarms set off, and amplification takes place. During all these activities, the student will learn about electrical components, how they operate, what an electrical circuit is and how to draw electrical diagrams called schematics. Students will handle all the parts, build the circuits on their own circuit boards and flip the switch that makes it all happen.



Electricity/Electronics II

Course: 3310

Grade: 10-12

Prerequisite: Successful completion of Electricity/Electronics I with a C or higher or instructor approval.

Time to get digital and learn troubleshooting and repair! Students will build an AM radio and learn how sound waves are produced, transmitted, amplified and received. They will also learn troubleshooting procedures while testing their radios by using oscilloscopes, frequency generators and digital multi-meters. Using prototyping circuit boards, students will build and test numerous circuits using various digital components and integrated circuits.

Power Mechanics I

Course: 3500

Grade: 10-12

Power Mechanics I covers the basic discussion of all types of internal combustion engines, with emphasis on four-cycle engines. Students will have access to a four-cycle small engine for lab work. Laboratory time will be devoted to disassembly examination, reconditioning, and assembly of small gas engines. As time permits, additional engines will be

repaired and other areas in power mechanics will also be explored. **This course is a prerequisite to Power Mechanics II and also to Auto Technology A & B.**

Power Mechanics II

Course: 3510

Grade: 10-12

Prerequisite: Successful completion of Power Mechanics I with a C or higher or instructor approval

Power Mechanics II is offered to students who have successfully completed the Power Mechanics I course with a C or higher. This course is designed to give the student additional skills and theory in the maintenance, repair and overhaul of two and four-cycle engines. In-depth units in ignition, carburetion, electrical and tune up will be covered. The course will also cover drive train, suspension systems, steering mechanisms and chassis repair as applicable to snowmobiles, motorcycles, outboards and ATV's. **Students enrolling in this course are required to supply their own projects to complete the course and receive a passing grade.**

Consumer Automotive

Course: 3520

Grade: 11-12

Consumer Automotive is intended as an introductory course that will give car owners and operators a basic understanding of automobiles and how to maintain them. Students will learn about the basic systems found in automobiles. They will focus on a variety of topics including safety, tools, and basic maintenance including oil and tire changes, fluid maintenance, and general automotive service. Basic troubleshooting and problem solving will also be included. This course cannot be taken in place of Power Mechanics 1 to meet the prerequisite to Automotive Technology A. **If students have already taken or are currently registered for Auto Technology, they will not be admitted into Consumer Automotive. Students are required to have access to a vehicle and have a valid Minnesota driver's license to be admitted into Consumer Automotive. This course is not a prerequisite for Auto Technology A.**



Auto Technology A/B (each section meets 2 class periods)

Course: 3521/3522

Grade: 11-12

Prerequisite: Successful completion of Power Mechanics I with a C or higher or instructor approval

This course includes instruction in the following areas: Engine theory and diagnosis, tune-up, fuel supply systems, electrical systems, brakes, wheel alignment and tire service. At the conclusion of this course students will have a marketable skill in the areas they have covered. This course will meet for **TWO CONSECUTIVE CLASS PERIODS. Students must register for both**

Auto Technology A and B. Students will earn one credit for each term. Students must maintain a "C" average in the first term in order to continue on to the second term. Only two terms of auto technology may be taken. ***College credit possible. See "Articulated Courses" section on page 14 of registration guide for more information.**

Architecture I

Course: 3710

Grade: 10-12

This is an introductory course to the field of architecture and architectural drawing. Students will be focusing on the principles of residential design, and draw floor plans of their designs. Students will also explore basic residential construction methods and their impact on home design. Computer aided drafting (CAD) will be a part of this course. **Successful completion of this course is a prerequisite to Architecture 2.**

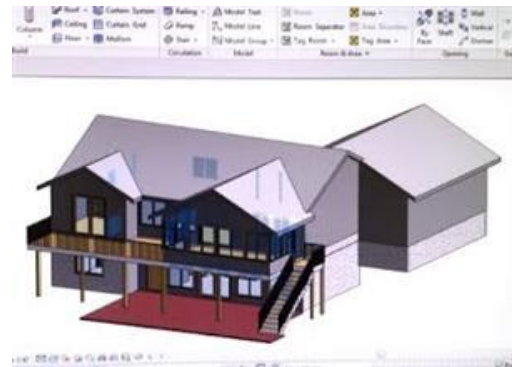
Architecture II

Course: 3720

Grade: 10-12

Prerequisite: Successful completion of Architecture I

Students will complete original home plans in their continuing education of home design and architectural drawing. Plans will include floor, foundation, elevations and section views. Participants will further their knowledge of residential construction, the products used, and their impact on design. Computer aided drafting (CAD) will be a part of the course. **Successful completion of this course is a prerequisite to Architecture III.**



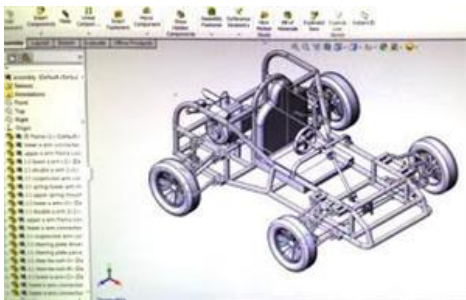
Architecture III

Course: 3730

Grade: 10-12

Prerequisite: Successful completion of Architecture 2

In this course, the student will have the opportunity to design a lake home for a fictional client and use foam board to build a simple architectural model of it. Other activities will include designing a kitchen and laying out the cabinets, lay their home design out on a plot plan, and view their design by drawing a 2 point perspective view. HVAC, plumbing, and waste systems will be explored. Again, computer aided drafting (CAD) will be a part of the class work.



Introduction to Computer Aided Drafting

Course: 3700

Grade: 9-12

This class exposes students to the basics of drafting and design using modern computer aided drafting (CAD) programs. Students will learn to illustrate objects from a variety of views as used in engineering and industry. This class is highly recommended for anyone interested in a variety of occupations including (but

not limited to) engineering, machining, construction, or mechanics. **Successful completion of this class is a prerequisite for the remaining engineering and drafting courses, and recommended before taking Wood II, and Metals.**

Engineering & Drafting I

Course: 3800

Grade: 10-12

Prerequisite: Successful completion of Introduction to Computer Aided Drafting

PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Students will learn about engineering and design by drawing in both 2D and 3D drawing software. During the course the student will begin to focus on 3D solid modeling using "Solidworks" software. This type of software is used by modern engineers and manufacturers for design. Students will also be able to convert 3D drawings into a 3D PRINT! **Successful completion of this course is a prerequisite for "Engineer Drafting II".**

Successful completion of this course may enable students to earn 3 semester credits through Pine Technical and Community College (MTTP 1241).



Engineering & Drafting II

Course: 3810

Grade: 10-12

Prerequisite: Successful completion of Engineering & Drafting I

Students in this course will design and engineer their own projects using 3D design software and be able to use a 3D printer. The course focuses entirely on design using 3 dimensional solid modeling software called "Solidworks". 3D solid modeling is the modern industry standard for design. Every student successfully completing the course will receive a free copy of 3D modeling software. The class will also include a field trip to see 3D designing, testing, and machining being used in industry.

Internship Opportunities

Forest Lake Area High School is looking to create ways for students to learn by doing. Internship opportunities will be added here as they become available.

• **Media & Technology Support Team (Student Tech Team)**

Students may register for these courses, but final selection of team members will be done through an application process. **All students who want to be a part of the student tech team should register for it and must also complete an online application by February 17, 2019.** The online application can be [found at this link](#).

Media & Technology Support Team IA/B

Course: 1550/1551

Grade: 10-12

Prerequisite: [Students should register for this course, but they must be selected by the instructor following student application process](#)

Students will become members of the Tech Team to develop knowledge and understanding of a wide range of instructional technologies while assisting their peers and staff members. Students will work as an adjunct to the tech support staff, and will provide support and perform minor repairs. Students work independently and in pairs to provide a technology help desk. In addition, students work on projects and assignments designed to increase their knowledge and skills in things such as Google Apps, web development, use of peripherals, hardware and software repair and upgrades, etc. In addition to class time, the whole team has monthly meetings outside of class time. Meeting times are set by mutual agreement of team members. [Click here to learn more about the FLHS Tech Team.](#)

Students may register for the course but must complete a [separate application](#) and will be selected by instructor. This is a 1.0 credit course, and will be taken over 2 terms. Students must register for BOTH courses 1550 & 1551.

Media & Technology Support Team II/A/B

Course: 1552/1553

Grade: 11-12

Prerequisites: [Media & Technology Support Team I](#) and students must re-apply

This course is a continuation of the work begun in Media & Tech I. Students will assume a leadership role within the student tech team, and will assist level I students, and they will continue their work with the building's technology staff. In addition, each time a student takes Media & Tech II, they will set a personal learning goal in a topic of their choice. Topics

may include such things as robotics, coding, web design, app development or other independent learning experiences and must be approved by the instructor.

Students may register for the course but must complete a separate application and will be selected by instructor. Students may take just 1552 for 0.5 credits, or they may add 1553 for 1.0 credit per year. (Media & Tech II may be repeated, but this course may NOT be taken in the same year as Media & Tech I).

• **TV & Film**

Students have the opportunity to work for or with LATV to develop skills related to the worlds of TV & film.

Currently students have the opportunity to seek either paid positions (ages 16 and older) with LATV or learning opportunities including: announcing sporting events, filming government meetings, developing human interest stories, reporting news stories, creating short films, and/or creating cable access TV shows.

Contact Paul at [LATV](#) for more information.

Mathematics

- **Students must have a minimum of 3 credits in Math with completion of Algebra I, Geometry and Algebra II.**
- For those students interested in Astronomy, Business Administration, Chemistry, Dentistry, Engineering, Geology, Mathematics, Medicine, Nursing, and Physics, the recommended mathematics sequence is: Algebra I, Geometry, Algebra II, Pre-Calculus, and Calculus.
- Students who are not headed into a technical field should consider taking CIS Algebra.
- Most college programs recommend mathematics through Algebra II B,. Many colleges, including the University of Minnesota, require four high school math credits.

Courses Shown Below

Click title to see course description and prerequisites

• Required Math Sequence

Courses listed in order they are taken.

[Algebra 9 A&B \(9-12\)](#)

[Geometry A&B \(9-12\)](#)

[Algebra II A&B \(9-12\)](#)

• Math Electives

Students are encouraged to have at least one math experience during each year of high school.

[Pre Calculus A,B,&C \(10-12\)](#)

[AP Calculus I A&B \(11-12\)](#)

[AP Calculus II A&B \(11-12\)](#)

[Trigonometry \(10-12\)](#)

[Adv. Functions, Statistics and Geometry \(10-12\)](#)

[CIS College Algebra Through Modeling - A&B \(11-12\)](#)

[Intro to C++ \(9-12\)](#)

[AP Computer Science A&B \(11-12\)](#)

[AP Statistics A&B \(10-12\)](#)

ALC Only:

[Consumer Math \(11-12\)](#)

[CIS Basic & Applied Stats A&B \(10-12\)](#)

- **Algebra 9A/B**

Course# 5491/5492

Grade: 9-12

Prerequisite: Successful completion of Algebra 8

This course covers fundamental algebra topics students need for high school math courses as well as post high school careers and education. Topics covered include: Quadratic equations, exponent rules, fractions with variables, function work, systems of linear programming and terms of polynomial functions. A graphing calculator is required for this course.

Geometry A/B

Course: 5111/5112

Grade: 9-12

Prerequisite: Successful Completion of Algebra 9B

Geometry is the study of logical reasoning, lines, planes, and their relationship to triangles, quadrilaterals, circles, and other plane figures. Emphasis is given to writing deductive proofs. Students will apply concepts of shape, space and measurement to illustrate and describe the physical world and solve problems. Students will use measurements directly and indirectly, review equations from algebra and graph in two dimensions.

Algebra II A/B

Course: 5031/5032

Grade: 9-12

Prerequisite: Successful Completion of Geometry B

Algebra II is an extension of Algebra I. This course includes the study of linear, quadratic, rational, polynomial, exponential and logarithmic equations. Students are required to have a graphing calculator equivalent to a TI-83 or better for this course.

*** Students are encouraged to complete this course by the end of 11th grade in order to prepare for the state MCA Math exam.**

Pre-Calculus A/B/C

Course: 5245/5246/5247

Grade: 10-12

Prerequisite: Algebra IIB

Pre-Calculus A, B and C are designed primarily for the student who is very much interested in the study of mathematics or one who knows he/she will need more courses in mathematics or science in his/her educational development beyond high school. Some of the topics covered in this course are: the number system, mathematical induction, series, sequences, limits, analytic geometry, functions, complex numbers, proof, graphing procedures, absolute value, slope functions, and trigonometry. Upon successful completion of Pre-Calculus, a student would have the trigonometry background to go on to Calculus. Students are required to have a graphing calculator equivalent to a TI-83 or better for this course.

AP Calculus I A/B

Course: 5255/5256

Grade: 11-12

Prerequisite: Pre-Calculus C



Advanced Placement Calculus is designed as an extension and review of all previously taken courses in mathematics, bringing them together and applying them in interesting ways. The main part of this course is to define and use derivations to find slopes, related rates and to solve maximum-minimum problems. There will also be a concentration on anti-derivatives and integrals, finding the area under curves, the lengths of curves and the study of transcendental functions (trig., expo., log., etc.). **The goal is to be prepared for the Advanced Placement exam given in mid-May, which will enable those with passing scores to receive college credit for this course.** Students are required to have a graphing calculator equivalent to a TI-83 or better for this course. Students will be prepared to take the AP Calculus AB exam.

AP Calculus II A/B

Course: 5258/5259

Grade: 11-12

Prerequisite: AP Calculus IB



The topics covered in AP Calculus BC include all of the topics in AP Calculus A and AP Calculus B. This course is an extension of the previous Calculus courses. Additional topics to be covered are: polar, parametric and vector functions using derivatives and integrals, developing approximations using Euler's and Taylor's and Maclaurin series, L'Hopitals rule to test convergence, antiderivatives by parts and partials fractions, looking for convergence of geometric, harmonic and alternating series, radius and interval of convergence of power series, Lagrange error bound for Taylor polynomials. **Upon successful completions of this course the students will take the AP Calculus BC exam given in the spring which can earn the students additional college credits.** They will receive a score this test and a sub score for the AP Calculus test they have already taken. A graphing calculator is required for this course. Students will be prepared to take the AP Calculus BC exam.

Trigonometry

Course: 5330

Grade: 10-12

Prerequisite: Successful Completion of Algebra II B

Trigonometry is the study of the relationship between the sides and angles of a right triangle. This course is designed to enhance the student's prior knowledge of this study from Geometry by using trigonometric functions and relations in applications and identities. Trigonometry is for students who want to further their math studies and/or prepare for their next course. Students must have a graphing calculator for this course.

Advanced Functions, Statistics & Geometry A/B

Course: 5350/5351

Grade: 10-12

Prerequisite: Successful Completion of Algebra II A & B

Advanced Functions, Statistics & Geometry is designed to reinforce and extend a student's understanding of Geometry, Statistics, and Algebra II. The concepts reviewed include functions, probability, statistics, and geometry. This course is designed to further prepare students for the ACT Exam and serves as an excellent ACT preparation course. By taking this

course students will gain the confidence to continue education in math and/or related fields. Students are required to have a graphing calculator equivalent to a TI-83 or better for this course. * **Students may take either AFSG-A or AFSG-B, or both.**

CIS College Algebra Through Modeling A/B

Course: 5425/5426

Grade: (11-12)

Prerequisite: Successful Completion of Algebra II A & B with a C or higher.



Top 50th-20th Percentile Class Rank, or teacher recommendation

This course introduces students to the art of mathematical prediction through algebraic modeling and elementary probability theory. The class covers techniques of representing the behavior of real-world data with algebraic equations, including linear, polynomial, exponential and logarithmic functions. Students will learn to develop equations that accurately represent the behavior of real-world data. Problems are drawn from various disciplines. While students practice traditional algebraic methods, they will also use the spreadsheet program Excel extensively to investigate the behavior of data sets. The class will also strengthen students' ability to communicate and evaluate mathematical reasoning. This course satisfies the University Mathematical Thinking requirement. **Successful completion of this course may enable students to earn 3 semester credits from the University of Minnesota. (CI 1806 College Algebra through Modeling)**

Intro to C++

Course: 5436

Grade: 9-12

Prerequisite: Successful Completion of Algebra 9 A & B

This course will teach the students to write programs in C++. C++ is a structured, high level language that allows writing programs for any type or size application. The course will cover six basic elements of programming: input, data operation, output, conditional execution, loops and functions.

AP Computer Science A/B

Course: 5445/5446

Grade: 11-12

Prerequisite: Successful Completion of Algebra II A & B and Intro to C++



This is a college level computer science course. It is intended for highly motivated students who are interested in computer science topics. Computer science encompasses the collection of technical skills and scientific methods one can utilize on the creation of high-quality computer-based solutions to real problems. Students will learn to code fluently in a well-structured fashion using the language of Java. Upon completion, students will be able to: apply well-known algorithms and data structures, read and understand large programs, and comprehend the design and development process leading to a large program. Students will be encouraged to take the Advanced Placement Test given in mid-May. Many colleges and universities grant college credit for high achievement on the AP Test. **AP Computer Science will be offered only with sufficient enrollment. AP Computer Science does not count as a math credit.**

AP Statistics A/B

Course: 5449/5450

Grade: 10-12

Prerequisite: Successful completion of Algebra II



The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring data, sampling and experimentation, anticipating patterns and statistical inference. Students should register for both semesters and will take the AP Exam in May. Students are required to have a graphing calculator equivalent to a TI 83 or TI 84.

ALC Only:

Consumer Math

Course: 5030

Grade: 11-12

(Teacher Recommendation Required)

Consumer Math applies the student's knowledge of arithmetic and algebra to everyday situations. Topics will include personal finances, gross and net income, personal banking, transportation, consumer credit, taxes, housing, investments and insurance.

CIS Basic and Applied Statistics A/B

Course: 5451/5452

Grade: 10-12



Basic and Applied Statistics is an introductory statistics class designed to engage students using a modeling and simulation approach. It emphasizes understanding and applying statistical concepts and procedures using visual and quantitative methods for presenting and analyzing data using inferential techniques. Successful completion of this course may enable students to earn 3 semester credits from the University of Minnesota.

Music

One credit in the arts between grades 9-12 is required for graduation. This requirement can be met through either visual arts courses (offered in the Art Department) or performing arts courses (offered in the Music Department). Music courses can be used to fill that requirement, whether it is in band, choir, orchestra, or guitar. Students in music are offered a range of performance and educational opportunities. For courses that require an audition, materials will be supplied in the spring, and auditions will be conducted by the end of the previous school year.

Courses Shown Below

Click title to see course description and prerequisites

Band

[Band 9 A&B \(9\)](#)

[Concert Band A&B \(10-12\)](#)

[Symphonic Winds \(10-12\)](#)

[Jazz Ensemble A&B \(10-12\)](#)

Choir

[Concert Choir A&B \(9-12\)](#)

[Treble Choir A&B \(9-12\)](#)

[Cantorei Choir A&B \(10-12\)](#)

[Chamber Singers A&B \(10-12\)](#)

Mixed Ensembles

[Concert Choir/Orchestra \(10-12\)](#)

[Concert Choir/Concert Band \(10-12\)](#)

[Cantorei/Sinf. Orchestra \(10-12\)](#)

[Cantorei/Symph. Winds \(10-12\)](#)

[Symph. Winds/Sinf. Orch. \(10-12\)](#)

Orchestra

[Orchestra 9 A&B \(9\)](#)
[Concert Orchestra A&B \(10-12\)](#)
[Sinfonia Orchestra A&B \(10-12\)](#)
[Chamber Strings A&B \(10-12\)](#)

Guitar

[Guitar I \(10-12\)](#)
[Guitar II \(10-12\)](#)

Music Theory

[Music Theory \(10-12\)](#)
[AP Music Theory A&B \(10-12\)](#)

- **Band 9A/B**

Course: 5991/5992

Grade: 9

Students are encouraged to grow musically by expanding both their small and large ensemble repertoire. Performing skills are enhanced by further study of scale studies and chorales. Emphasis is placed on articulation, tone range, blend, balance and intonation. Regularly scheduled concerts outside of the school day are a part of this class. Band is a performance-based course that relies on participation for the entire year. **Students should register for both Band A and B.**

Orchestra 9A/B



Course: 5997/5998

Grade: 9

Membership in Orchestra 9 is open to all orchestra students in grade 9. Orchestra students will develop basic performance technique (tone production, music reading, mechanics or performance), learn introductory music theory, create music, and perform a wide variety of concert literature. In addition to concert performances during the year, the Orchestra will participate in Minnesota State High School League festivals and solo/ensemble contests. Orchestra students also participate in various school functions throughout the year. **Students should register for both Orchestra A and B.**

Music Theory

Course: 5505

Grade: 10-12

Students enrolled in the music theory course will explore notation, symbols and structure of music. Skills will be developed so that students can analyze music both in written form and by listening. By the end of the course, students should be able to start composing and harmonizing their own melodies. Please note that this course does not meet the art requirement for graduation.

AP Music Theory A/B

Course: 5513/5514

Grade: 10-12



Prerequisite: Teacher Recommendation Required

Advanced Placement (AP) Music Theory is a course of study designed for the highly motivated student who desires the opportunity to gain college credit while completing the study of music theory in high school. AP Music Theory is an accelerated study of music theory, harmony, analysis of music structure, melodic and rhythmic dictation and sight singing. This course of study typically comprises first year, college-level music theory curriculum. All students completing this course may take the College Board sponsored Music Theory Test in the spring. A basic keyboard, music theory, and music class background will be helpful to the student. High school students considering collegiate music study should consider review of the undergraduate music theory entry expectations & recommendations of their prospective post-secondary school(s) of interest. Please note that this course does not meet the art requirement for graduation.

Concert Band A/B

Course: 5611/5612

Grade: 10-12

Membership in Concert Band is open to all band students in grades 10 through 12. Concert Band students will develop basic performance technique (tone production, music reading, mechanics of performance), learn introductory music theory, create music, and perform a wide variety of concert literature. In addition to concert performances during the year, the Concert Band will participate in Minnesota State High School League festivals and solo/ensemble contests. Concert Band students also participate in various school functions throughout the year. **Students should register for both Concert Band A and B.**

Symphonic Winds A/B

Course: 5621/5622

Grade: 10-12

Prerequisite: Audition Required.

Membership in Symphonic Winds is open to all band students in grades 10 through 12. Traditionally, Symphonic Winds members are those students who have exhibited the music skills necessary to perform more advanced music literature. Student musicians in this band are selected by audition. Performing wind band literature of the finest quality, Symphonic Winds students participate in various school, conference, and Minnesota State High School League functions during the year. Student musicians in Symphonic Winds are expected to be actively involved in ensemble activities throughout the



school year. **Students should register for both Symphonic Winds A and B.**

Jazz Ensemble A/B (before school)



Course: 5641/5642

Grade: 10-12

Prerequisite: Students are encouraged to also register for a full year of another period 1, 2 or 3 instrumental or choral ensemble to participate in Jazz Ensemble. Audition Required.

Students will perform standard and contemporary jazz repertoire in this class. Students not performing on traditional jazz instruments will need to see the director for use of a school owned instrument. Improvisation will be introduced but is not required. This ensemble meets three days a week before school and is scheduled semesters 1 & 2. The ensemble will perform in various school, conference, and Minnesota State High School League functions during the year. .25 Credits each course. **Do not register for this course at this time. Auditions will be held in September.**

Chamber Singers A/B (before school)

Course: 5701/5702

Grade: 10-12

Prerequisite: Students are encouraged to also register for a full year of Cantorei to participate in Chamber Singers. Audition Required.

Chamber Singer members are those students who have exhibited advanced music skills including superior intonation and independent musicianship. Repertoire will include pieces written for small choral ensembles and will range from sixteenth century madrigals to vocal jazz and *a cappella* pop arrangements. Traditionally, student musicians in this elite choir are members of Cantorei and are selected by an audition process. Performing advanced choral literature of the finest quality, Chamber Singer students participate in various school, conference, and Minnesota State High School League functions during the year. Student musicians in Chamber Singers are expected to be actively involved in ensemble activities throughout the school year, including several performances in the community. Students should register for both Chamber Singers A and B. This ensemble meets three days a week before school and is scheduled semesters 1 & 2. .25 credits each course. **Do not register for this course at this time. Auditions will be held in September.**

Treble Choir A/B

Course: 5711/5712

Grade: 9-12

Membership in Treble Choir is open to all female choir students in grades 9 through 12. Treble Choir students will develop

basic performance technique (tone production, music reading, mechanics or performance), learn introductory music theory, create music, and perform a wide variety of concert literature. In addition to concert performances during the year, the Treble Choir will participate in Minnesota State High School League festivals and solo/ensemble contests. Treble Choir students also participate in various school functions throughout the year. **Students should register for both Treble Choir A and B.**

Concert Choir A/B

Course: 5721/5722

Grade: 9-12

Membership in Concert Choir is open to all choir students in grades 9 through 12. Concert Choir students will develop basic performance technique (tone production, music reading, mechanics or performance), learn introductory music theory, create music, and perform a wide variety of concert literature. In addition to concert performances during the year, the Concert Choir will participate in Minnesota State High School League festivals and solo/ensemble contests. Concert Choir students also participate in various school functions throughout the year. **Students should register for both Concert Choir A and B.**



Cantorei Choir A/B

Course: 5731/5732

Grade: 10-12

Prerequisite: Audition Required.

Membership in Cantorei Choir is open to all choir students in grades 10 through 12. Traditionally, Cantorei Choir members are those students who have exhibited the music skills necessary to perform more advanced music literature. Student musicians in this choir are selected by audition. Performing choir literature of the finest quality, Cantorei Choir students participate in various school, conference, and Minnesota State High School League functions during the year. Student musicians in Cantorei Choir are expected to be actively involved in ensemble activities throughout the school year. **Students should register for both Cantorei Choir A and B.**

Concert Orchestra A/B

Course: 5801/5802

Grade: 10-12

Membership in String Orchestra is open to all orchestra students in grades 10 through 12. String Orchestra students will develop basic performance technique (tone production, music reading, mechanics or performance), learn introductory music theory, create music, and perform a wide variety of concert literature. In addition to concert performances during the year, the String Orchestra will participate in Minnesota State High School League festivals and solo/ensemble contests. String Orchestra students also participate in various school functions throughout the year. **Students should register for both String Orchestra A and B.**

Sinfonia Orchestra A/B**Course: 5811/5812****Grade: 10-12****Prerequisite: Audition Required.**

Membership in Sinfonia Orchestra is open to all orchestra students in grades 10 through 12. Traditionally, Sinfonia Orchestra members are those students who have exhibited the music skills necessary to perform more advanced music literature. Student musicians in this orchestra are selected by audition. Performing orchestra literature of the finest quality, Sinfonia Orchestra students participate in various school, conference, and Minnesota State High School League functions during the year. Student musicians in Sinfonia Orchestra are expected to be actively involved in ensemble activities throughout the school year. **Students should register for both Sinfonia Orchestra A and B.**

Chamber Strings A/B (before school)**Course: 5841/5842****Grade: 10-12****Prerequisite: Students are encouraged to also register for a full year of another period 1, 2 or 3 instrumental or choral ensemble to participate in Chamber Strings. Audition Required.**

Chamber Strings members are those students who have exhibited advanced music skills including superior intonation and independent musicianship. Repertoire will include pieces written for small string ensembles and will include a wide variety of styles. Student musicians in this elite ensemble are usually members of Sinfonia and are selected by an audition process. Performing advanced literature of the finest quality, Chamber Strings students participate in various community, school, conference, and Minnesota State High School League functions during the year. Student musicians in Chamber Strings are expected to be actively involved in ensemble activities throughout the school year, including several performances in the community. Students should register for both Chamber Strings A and B. This ensemble meets three days a week before school and is scheduled semesters 1 & 2. .25 credits each course. **Do not register for this course at this time. Auditions will be held in September.**

Cantorei Choir/Sinfonia Orchestra A/B

Course: 5500/5501

Grade: 10-12

Prerequisite: Audition Required.

Membership in Cantorei Choir and Sinfonia Orchestra is open to all orchestra students in grades 10 through 12 who would also like to sing in choir. Students who double in two ensembles alternate rehearsal days and are expected to learn all of the repertoire for both ensembles. Traditionally, Cantorei/Sinfonia members are those students who have exhibited the music skills necessary to perform more advanced music literature. Student musicians in this ensemble are selected by audition. Performing choral and orchestral literature of the finest quality, Cantorei/Sinfonia students participate in various school, conference, and Minnesota State High School League functions during the year. Student musicians in Cantorei/Sinfonia are expected to be actively involved in ensemble activities throughout the school year. **Students should register for both Cantorei/Sinfonia A and B.**



Cantorei Choir/Symphonic Winds A/B

Course: 5502/5503

Grade: 10-12

Prerequisite: Audition Required.

Membership in Cantorei Choir and Symphonic Winds is open to all band students in grades 10 through 12 who would also like to sing in choir. Students who double in two ensembles alternate rehearsal days and are expected to learn all of the repertoire for both ensembles. Traditionally, Cantorei/Symphonic members are those students who have exhibited the music skills necessary to perform more advanced music literature. Student musicians in this ensemble are selected by audition. Performing choral and wind band literature of the finest quality, Cantorei/Symphonic students participate in various school, conference, and Minnesota State High School League functions during the year. Student musicians in Cantorei/Symphonic are expected to be actively involved in ensemble activities throughout the school year. **Students should register for both Cantorei/Symphonic A and B.**

Concert Band/Concert Choir A/B

Course: 5504/5506

Grade: 10-12

Prerequisite: Instructor Approval Required.



Membership in Concert Band and Concert Choir is open to all band students in grades 10 through 12 who would also like to sing in choir. Concert Band/Choir students will develop basic performance technique (tone production, music reading, mechanics or performance), learn introductory music theory, create music, and perform a wide variety of concert literature. In addition to concert performances during the year, the Concert Band/Choir will participate in Minnesota State High School League festivals and solo/ensemble contests. Concert Band/Choir students also participate in various school functions throughout the year. **Students should register for both Concert Band/Choir A and B.**

Symphonic Winds/Sinfonia Orchestra A/B

Course: 5507/5508

Grade: 10-12

Prerequisite: Audition Required.

Membership in Symphonic Winds and Sinfonia Orchestra is open to all band students in grades 10 through 12 who would also like to play in Orchestra. Students who double in two ensembles alternate rehearsal days and are expected to learn all of the repertoire for both ensembles. Traditionally, Symphonic/Sinfonia members are those students who have exhibited the music skills necessary to perform more advanced music literature. Student musicians in this ensemble are selected by audition. Performing instrumental literature of the finest quality, Symphonic/Sinfonia students participate in various school, conference, and Minnesota State High School League functions during the year. Student musicians in Symphonic/Sinfonia are expected to be actively involved in ensemble activities throughout the school year. **Students should register for both Symphonic/Sinfonia A and B.**

Concert Choir/Concert Orchestra A/B

Course: 5509/5510

Grade: 10-12

Prerequisite: Instructor Approval Required.

Membership in Concert Choir and Concert Orchestra is open to all orchestra students in grades 10 through 12 who would also like to sing in choir. Concert Choir/Orchestra students will develop basic performance technique (tone production, music reading, mechanics or performance), learn introductory music theory, create music, and perform a wide variety of concert literature. In addition to concert performances during the year, the Concert Choir/Orchestra will participate in Minnesota State High School League festivals and solo/ensemble contests. Concert Choir/Orchestra students also participate in various school functions throughout the year. **Students should register for both Concert Choir/Orchestra A and B.**



Guitar I

Course: 5955

Grade: 10-12

Classical Guitars are supplied by the school.

Whether a total newbie or have some previous experience with the guitar, this course will offer students the first semester of a two part sequence in guitar. Students will participate in daily group and individual instruction as they learn how to play and read music on the guitar. Lessons will teach chords, strumming patterns, notes and music theory.

Guitar II

Course: 5956

Grade: 10-12

Prerequisite: Teacher permission or successful completion of Guitar I. Classical Guitars are supplied by the school.

In Guitar II, students will build on skills that were introduced and developed in Guitar I.

Continuing instruction will be given to building right and left hand independence through more advanced techniques including upper position playing, barre chords, finger-picking and classical technique. A variety of musical styles will be covered. Concepts in music theory's relationship to guitar performance will be covered and some ensemble performance material will also be taught. Classroom practices will include both individual and group instruction. Note: Only in extremely rare circumstances will a student be granted instructor permission to sign up for this course without first taking Guitar I.

Physical Education & Health Courses

1.0 Physical Education credits are required (0.5 in grade 9 and 0.5 in grade 10). A 0.5 Credit in Health Education is required in grade 10. Beyond the required courses physical education offers a wide variety of physical education courses that challenge the mind, body and spirit. Total body wellness is a critical component to the college bound student, athlete, and young adult.

Courses Shown Below

Click title to see course description and prerequisites

• **REQUIRED COURSES**

[Physical Education 9](#)

[Health \(10-12\)](#)

[Physical Education 10](#)

• **ELECTIVE COURSES**

for 11th & 12th graders who have passed Phy Ed 10

[Outdoor Education I \(11-12\)](#)

[Outdoor Education II \(11-12\)](#)

[Team Sports \(11-12\)](#)

[Individual & Dual Sports \(11-12\)](#)

[Cardio, Core and Conditioning \(11-12\)](#)

[Aerobic & Strength Training I \(11-12\)](#)

[Aerobic & Strength Training II \(11-12\)](#)

• **REQUIRED COURSES**

Physical Education 9

Course: 6491

Grade: 9

The Physical Education program gives students an opportunity to explore a variety of physical activities. Basic sports skills, understanding of rules and appreciation of sports, as well as physical fitness, are stressed.

Health

Course: 6000

Grade: 10-12

Topics covered include self-esteem, stress reduction, depression and suicide prevention, promotion of healthful nutrition, prevention of tobacco, alcohol & drug use, promoting healthy relationships and prevention of HIV/STD's and unintentional pregnancies.

Physical Education 10**Course: 6100****Grade: 10**

The content of this course will include studying the importance of exercise for good health; practicing safe training techniques; completing self assessment for cardiovascular fitness, muscular strength, muscular endurance, body composition and flexibility; interpreting assessment results; setting goals for a fitness plan, and writing a personal fitness plan. These concepts of fitness will be reinforced in the following class activities: flag football, softball, soccer, tennis, badminton, basketball, volleyball, wrestling, social dance, team handball & ultimate frisbee.

ELECTIVE COURSES (for 11th or 12th graders who have passed Phy Ed 10)**Outdoor Education I****Course: 6110****Grade: 11-12**

Offered only Quarter 1 (fall) & Quarter 4 (spring)

Prerequisite: Successful completion of Phy Ed 10

This course offers the opportunity to gain experience in fall or spring season outdoor education activities such as bicycling, canoeing, water safety, orienteering, and related outdoor recreational activities that promote physical fitness. The impact of recreational activity on our environment will receive special attention. Class sessions will be held outdoors as well as in the classroom. Field trips will be scheduled during certain units for the practical application of skills and knowledge learned during regular class sessions.

Outdoor Education II**Course: 6111****Grade: 11-12**

Offered only Quarter 3 (winter)

Prerequisite: Successful completion of Phy Ed 10

This course offers the opportunity to gain experience in winter season outdoor education activities such as Nordic skiing, Alpine skiing, snow caving, winter survival, orienteering, broomball and related outdoor recreational activities that promote physical fitness. The impact of recreational activities on our environment will receive special attention. Class sessions will be held outdoors as well as in the classroom. Field trips will be scheduled during certain units for the practical application of skills and knowledge learned during regular class sessions.

Team Sports**Course: 6115**

Grade: 11-12**Prerequisite: Successful completion of Phy Ed 10**

This course offers the opportunity to gain further experience in team sports. Class activities may include basketball, volleyball, softball, soccer, flag football, floor hockey, ultimate frisbee, and team handball. Students will work to improve skills and knowledge of strategies in team sports.

Individual & Dual Sports**Course: 6116****Grade: 11-12****Prerequisite: Successful completion of Phy Ed 10**

This course offers the opportunity to gain experience in lifetime fitness by incorporating a variety of lifetime activities such as badminton, ice skating, golf, pickle ball, bowling, archery, tennis and recreational games.

Cardio, Core and Conditioning**Course: 6118****Grade: 11-12****Prerequisite: Successful completion of Phy Ed 10**

This is an advanced Health/Physical Education course aimed at those students who are motivated to reach a higher level understanding of exercise physiology in the classroom and desire a rigorous physical activity class that will challenge them physically & mentally. The content of the course will include exercise physiology, muscle fitness, nutritional information and will incorporate exercises which promote strength, increase flexibility and improve cardiovascular fitness. Activities will include free weights, jumping rope, jogging, circuit training and aerobic exercise. The student will use various methods to determine body composition, as well as perform a battery of pre-tests and post-tests.

Aerobic & Strength Training I**Course: 6119****Grade: 11-12****Prerequisite: Successful completion of Phy Ed 10**

This course is designed for students to improve their overall fitness by utilizing the principles of muscle physiology and proper weight lifting exercises. Students will work to improve their muscular strength, muscular endurance, flexibility, and body composition.

Aerobic & Strength Training II**Course: 6129****Grade: 11-12****Prerequisite: Successful completion of Aerobic & Strength I with a C or higher or instructor approval.**

This course is designed for students who want to continue to improve their overall fitness level. Students will utilize the knowledge and skills learned in Weight Training I to meet their individual goals. The model used will be the Forest Lake Strength and Conditioning program (weight training and plyometrics are included in this program).

Science

College Planning: Students planning on education beyond high school may need extra science courses as prerequisites for admission to college, NCAA, or vocational programs. Students should contact the program of their choice for specific courses necessary for admission.

Courses Shown Below

Click title to see course description and prerequisites

. Class of 2022 and beyond

Requirement	Course Options
Physics taken in grade 9	<u>AP Physics A,B,&C (9-12)</u> OR <u>Physics A&B (9)</u>
Chemistry (1 class) taken after Physics	<u>AP Chemistry A,B,&C (10-12)</u> OR <u>Chemistry A (10-11)</u>
Biology (2 class) taken in grades 11 or 12 after Chemistry	<u>AP Biology A, B, & C (11-12)</u> OR <u>Biology A&B (11-12)</u> OR <u>Field & Forensic Bio A&B (11-12)</u>
Earth & Space Science (1 class)	<u>Earth & Space Science (11-12)</u>

Science Elective (1 class)	<u>Chemistry B (10-12)</u> <u>Meteorology (10-12)</u> <u>Environmental Science (11-12)</u> <u>Human Anatomy & Physiology (12)</u> <u>AP Chemistry A,B,&C (10-12)</u> <u>AP Biology A,B,&C (11-12)</u> <u>AP Physics-Mechanics A&B - Calc Based (11-12)</u>
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. Class of 2020 & 2021

Requirement	Course Options
9th Grade Science	Physical Science A & B
Physical Science (2 classes)	<u>AP Physics-Mechanics A&B - Calc Based (11-12)</u> OR <u>AP Physics A,B,&C (10-12)</u> OR <u>AP Chemistry A,B,&C (10-12)</u> OR <u>Chemistry A&B (10-12)</u> OR <u>Physics A&B (10-12)</u>
Earth & Space Science (1 class)	<u>Earth & Space Science (11-12)</u>
Biology (2 classes)	<u>AP Biology A, B, & C (11-12)</u> OR <u>Biology A&B (11-12)</u> OR

taken in grades 11 or 12	<u>Field & Forensic Biology A&B</u> <u>(11-12)</u>
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- **Applied Science**

Course: 6500

Grade: 9

Prerequisite: No other high school science courses have been taken. Students have not met the math requirements for Physics A and B. Students may not self-register for this course, instructor permission is required at the time of registration.

The Applied Science course is designed to build foundational science skills and will address many of the science process and engineering standards. For those approved for the course, this will meet their ½ credit science elective. This course will discuss science method, and students will participate in experimental design, measurement, and data analysis. Topics covered will range from consumer science and energy issues to new research and product design.

Field and Forensic Biology A/B

Course: 6501/6502

Grade: 11-12

Recommendation: Completion of Chemistry or Physics prior to taking this course. Successful completion of these courses will satisfy the one credit in biology required for graduation.

This course approaches the science of biology from the perspective of both a field ecologist and forensic scientists. In Field and Forensic Biology A, students will focus on science process, ecological interactions, biochemistry, evolution and cell biology. Students will engage in many lab experiments to simulate a forensic scientist trying to solve mysteries or crimes. Field and Forensic Biology B continues the study of biology where Field and Forensic Biology A ends. Students will explore the science of DNA and learn how to extract DNA from cellular material. They will use DNA and patterns of genetic inheritance to investigate and solve crimes. In addition, Field and Forensic Biology B will investigate the topics of metabolism, energy and ecosystem dynamics. Cumulative field biology and forensic skills will be applied to deepen the understanding of ecology and evolution. Students who received credit for Field and Forensic Biology A/B cannot receive credit for Biology A/B. Students who received credit for Biology A/B cannot receive credit for Field and Forensic Biology A/B.



Biology A/B

Course: 6601/6602

Grade: 11-12

Recommendation: Completion of Chemistry or Physics prior to taking this course. Successful completion of these courses will satisfy the one credit in biology required for graduation.

What makes people sick? Why are people alive? What hidden worlds exist beyond people's eyes? Biology A takes students through a journey that investigates these questions as well as the nature of life and living organisms. Students become scientists as they discover organisms that inhabit both visible and invisible spaces. Students will pursue the nature of cells, life's energy, and human body systems. The focus of this course is on problem solving in science through activities and lab investigations. Jeans or Genes? Join Biology B to crack the genetic code. Investigate past, present, and

future secrets held in DNA. Heredity, adaptation, genetic engineering, selective breeding and mutation are some of the topics explored in Biology B. Students will learn to apply experimental techniques to discover how DNA and genes operate. Students will also link the structure and function of DNA and genes to evolutionary change and the struggle for existence. Students who received credit for Field and Forensic Biology A/B cannot receive credit for Biology A/B. Students who received credit for Biology A/B cannot receive credit for Field and Forensic Biology A/B.

Environmental Science

Course: 6605

Grade: 11-12

This is a course that focuses on the complexity of natural and environmental systems. Through the application of the scientific method, students will participate and initiate research projects that examine all aspects of environmental stability. In their research, students will analyze the way humans impact and interact with their natural environments, and learn what is being done to preserve and conserve environmental areas into the future.

Human Anatomy and Physiology

Course: 6611

Grade: 12

Prerequisite: Successful completion of Biology credit

This high life-science course is organized around the core principles of anatomy and physiology, such as homeostasis, chemical interactions, structure and function relationships, and the levels of organization. Modeled around an introductory college-level course, students will use scientific literature, class discussion, case studies, and specimen dissections to understand the details of eight major body systems. This class is a great option for students interested in pursuing a career in health care or a related field.

AP Biology A/B/C

Course: 6615/6616/6617

Grade: 11-12

Prerequisites: Recommended math—successful completion of Algebra II (A & B). Completion of a full year of Chemistry or Physics.



AP Biology is a college-level biology course. The class offers highly motivated students an opportunity to gain college credit at the high school level or provide high school students with an extremely strong background in biology. The

course creates the time and space for students to be scientists as they develop inquiry skills to answer classical and unique questions in the biological sciences. We will explore the four "Big Ideas" of biology as articulated by the College Board: Evolution, Energy, Information, and Systems. Each topic will be explored through labs and group discussions. At the end of the course, it is expected that a student in this AP class will take the Advanced Placement Exam for the course. AP national exams are offered in May. Successful completion of



AP Biology A, B and C satisfies the biology graduation requirement.

Chemistry A

Course: 6701

Grade: 10-12

Prerequisite: Successful completion of Algebra 9B

Chemistry A fulfills the 0.5 credit physical science graduation requirement for the graduating class of 2022 and beyond.

Chemistry A and Chemistry B fulfills the 1.0 credit physical science graduation requirement for the graduating class of 2020 and 2021.

Chemistry focuses on the interaction of matter and energy in chemical reactions. Concepts include periodic trends, chemical bonding, writing formulas for compounds and reactions, Students will perform experiments individually and collaboratively.

Chemistry B

Course: 6702

Grade: 10-12

Prerequisite: Successful completion of Chemistry A.

Chemistry B is an elective credit for the graduating class of 2022 and beyond, and highly recommended for students that wish to attend a 4-year university.

Chemistry A and Chemistry B fulfills the 1.0 credit physical science graduation requirement for the graduating class of 2020 and 2021.

This course is ideal for the student who asks the question: "Why are certain gases poisonous or why do some substances dissolve in water and others don't?" Chemistry focuses on the interaction of matter and energy in chemical reactions. Concepts include, stoichiometry, acids and bases, gases, rates and organic. Students will perform experiments individually and collaboratively. Chemistry B allows for opportunities to complete several inquiry type labs.

AP Chemistry A/B/C

Course: 6712/6713/6714

Grade: 10-12

Prerequisite: Successful completion of Geometry and Physics A and B (for the class of 2022 and beyond) AND completion of Google Survey. <https://goo.gl/forms/dKITbfMmUeRF0s3u2>

This is a college-level chemistry course. Students need to sign up for all 3 sections.



This course covers all of the standard chemistry topics such as atomic and molecular structure, bonding, periodic trends, thermodynamics, electrochemistry, chemical reactions, kinetics and equilibrium, etc. Students will develop lab skills using university-level equipment and techniques. It is expected that a student in an AP class will take the Advanced Placement Exam for that course. AP national exams are offered in May.

Meteorology

Course: 6805

Grade: 10-12

Meteorology introduces students to basic weather concepts, instrumentation, and maps. Students will learn about various aspects of weather, including the atmosphere, seasons, severe weather, and much more. Weather data will be collected from instruments used by the students outside and around the school in addition to using data from the weather station on rooftop of Forest Lake Senior High.

Earth and Space Science

Course: 6806

Grade: 11-12

In this required course, students will investigate Earth and Space through four major units: space, plate tectonics, geologic time, and climate change. Students will explore star composition and galaxy motion using light evidence, read about Icelandic volcanoes, and evaluate the human interaction with Earth's four spheres (atmosphere, geosphere, biosphere, and hydrosphere). This course is offered in two different formats: traditional or hybrid (both in the classroom and online). Students enroll in the traditional course and are placed in the hybrid section through their dean.

Physics A/B

Course: 6905/6906

Grade: 9-12

Prerequisite: Successful completion of Algebra 8B

Physics A and Physics B fulfills the 1.0 credit physical science graduation requirement for the graduation class of 2020 and 2021.

Physics A and Physics B is a required course for the graduating classes of 2022 and beyond.

In Physics A, students will study Newton's laws of motion and investigate motion, energy, and momentum. These investigations will include lab work, models, graphs, and mathematical equations. In Physics B, students will study sound, light, electricity, magnetism and heat through lab activities that drive our discussion and problem solving.

AP Physics 1A/B/C

Course: 6907/6908/6909

Grade: 9-12

Prerequisite: Successful completion of Algebra 9B OR by written recommendation of a science teacher. This is a college level physics course.



Students need to sign up for all 3 sections of AP Physics and complete all 3 sections to fulfill the physics portion of the science standards needed to graduate.

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. It is expected that a student in an AP class will take the Advanced Placement Exam for the course. AP national exams are offered in May. After the AP exam, additional topics surrounding light, magnetism, and heat will be studied so that this course meets the graduation requirements for 1 year of physics/chemistry.

AP Physics - Mechanics A/B (Calculus based)

Course: 6910/6911

Grade: 11-12

Prerequisite: Enrollment in or completion of AP Calculus



This two-term course covers the study of motion at an advanced placement level. Topics include Newtons' laws, accounting for friction, simple harmonic motion, circular motion, energy, and momentum. At the end of the Mechanics II term, students will participate in the Advanced Placement Physics C exam. It is expected that a student in an AP class will take the Advanced Placement Exam for that course. AP national exams are offered in May.

ALC Only:

Ecology

Course: 6600

Minnesota is a biologically diverse state because we exist at the convergence of three major land biomes and we are home to three different freshwater biomes. In this course, students will study the characteristics of the biomes of the world with special attention being given to the biomes of Minnesota. During the course of this study, students will also learn about classification and cladistics, energy roles in an ecosystem, succession, chemical and biological water testing, and environmental issues facing Minnesota's future.
and Forensic Biology B.

Minnesota Forests

Course: 6608

Our diverse forests are one of the most unique characteristics of Minnesota's natural resources. Students in this course will study basic plant biology and taxonomy as it pertains to Minnesota flora. Students will apply this new knowledge to design, set-up, and conduct a long-term inquiry based plant experiment. Students will also study the techniques used for various forestry field skills, positives and negatives of different logging techniques, forest pests and diseases, and spend time looking at the current environmental issues facing the health and future of our Minnesota forests.

Criminalistics

Course: 6612

Discover the differences between the Hollywood version CSI and true forensic science. This course is designed to investigate the real-world applications of using science in the analysis of crime scene evidence. Students will study the many jobs of the criminalist and learn how to apply forensic science principles through units focused on processing crime scenes, fingerprints, DNA, handwriting analysis, tool marks, blood and blood spatter, determining time of death, forensic anthropology, and forensic entomology.

Biology at the Extremes

Course: 6620

This course will study the of habitability of different environments in the universes. Students will discover the requirements that need to be met in order for an organisms to be considered living. Then the students will explore the physical requirements that an environment needs to provide in order to sustain life. This field of science searches for extreme habits on Earth and planets both within our solar system and elsewhere in the universe that could be habitable environments for life. Students will learn about the search for evidence that life may once have occurred on Mars or elsewhere in our solar system through the Mars rovers and various NASA space missions. Finally, students will study the ways in which living organisms have adapted and will have to adapt to survive the challenges that extreme Earth ecosystems can present and the challenges of surviving in the microgravity of space.

Social Studies

Students are encouraged to take as many elective courses as their schedule allows.

Courses Shown Below

Click title to see course description and prerequisites

• Required Courses

Requirement	Course Options
9th Grade Social Studies (2 classes)	Citizenship & Government AND Geography OR Citizenship & Government In Spanish AND Human Geography in Spanish NOTE: AP Human Geography option available if appropriate.
World History (2 classes) recommended for 10th or 11th grade should be taken before U.S History	World History A&B OR World History A&B in Spanish OR AP World History A&B
U.S. History (2 classes)	United States History A&B

<p>recommended for 11th or 12th grade</p> <p>should be taken after World History</p>	<p>OR</p> <p><u>United States History A&B in Spanish</u></p> <p>OR</p> <p><u>AP United States History A&B</u></p>
<p>Economics</p> <p>(1 class)</p> <p>taken in grades 11 or 12</p>	<p><u>Economics</u></p> <p>OR</p> <p><u>Agriculture Economics</u></p> <p>OR</p> <p><u>CIS Microeconomics</u></p> <p>OR</p> <p><u>CIS Macroeconomics</u></p>

- **Elective Courses**

- AP Human Geography A&B (9-12)

- Eastern Civilization (11-12)

- Anthropology (10-12)

- Political Science (10-12)

- International Relations (10-12)

- CIS Microeconomics (11-12)

- CIS Macroeconomics (11-12)

- CIS Political Science (11-12)

- Contemporary Social Issues (11-12)

- Sociology (10-12)

- Psychology (10-12)

- AP Psychology A&B (11-12)

- **Social Studies Courses**

REQUIRED COURSES

Citizenship & Government 9

Course: 7495

Grade: 9

This course satisfies the ½ credit requirement in Citizenship & Government needed for graduation from Forest Lake Area High School. This course includes the study of civic skills, civic values and principles of democracy, rights and responsibilities, government institutions and political processes, as well as relationships of the United States to other nations and organizations. -Revised Jan 2019

Geography 9

Course: 7496

Grade: 9

This course satisfies the ½ credit requirement in Geography needed for graduation from Forest Lake Area High School. This course includes the study of geospatial skills and human geography. Human geography units include: Introduction, Population, Cultural, Political, and Agricultural, Environmental/Economic, and Urban

AP Human Geography A/B

Course: 7488/7489

Grade: 9-12

This is a college level, intensive study, two course series in Human Geography. Its function is to give highly motivated students who are independent learners and who are driven to succeed, an opportunity to gain potential college credit and to provide students with an extremely strong background in human geography. This course meets the Social Studies Geography 9 requirement and adds a social studies elective. Students must register for both AP Human Geography A and AP Human Geography B. It is expected that a student in this AP class will take the Advanced Placement Exam for the course, which is offered in May.

Citizenship and Government in Spanish

Course: 7497

Grade: 9



This is a Spanish language version of Course: 7495

Human Geography in Spanish

Course: 7498

Grade: 9



This is a Spanish language version of Course: 7496

United States History A/B

Course: 7001/7002

Grade: 11-12

Recommended: Passing grade in World History A/B

U.S. History A and B will satisfy the one credit requirement for U.S. History in order to meet the graduation requirements. Students complete a two term study of the history and development of the United States from the beginning of Native American Indian discovery through European colonization to the present day. Major themes of study include the Convergence of Cultures from the Americas, Europe and Africa, The American Revolution, the Civil War, Industrialization, The Emergence of Modern America, World War I and II and the Postwar United States. -Revised Jan 2019

United States History A/B in Spanish

Course: 7003/7004

Grade: 11-12

Recommended: Passing grade in World History A/B



This is a Spanish language version of Course: 7001/7002 -Revised Jan 2019

AP United States History A/B

Course: 7012/7013

Grade: 11-12

Recommended: Passing grade in World History A/B



AP U.S. History A and B will satisfy the one credit requirement for U.S. History in order to meet the graduation requirements. This first year college level course involves a very rigorous, in-depth study of United States history from the earliest American peoples to the present. By analyzing primary and secondary sources and applying historical thinking skills, the student is expected to learn not only historical knowledge, but also social, political, cultural, and economic concepts. The course is designed to prepare the student for the Advanced Placement National Exam in the spring, which if successfully completed can afford the student a college freshman history credit. This course involves extensive homework including reading and essay assignments totaling at least one hour of homework per night. The student should be proficient in social studies and English skills. - Revised January 2019

World History A/B

Course: 7022/7023

Grade: 10-11

World History A and B satisfy the 1 credit requirement in World History needed for graduation from Forest Lake Area High School. The courses are chronological in context and are designed to be primarily taken within a given school year. Major units of study in World History A cover a time frame beginning with the earliest record of humanity and ending around 1450 CE. World History B Continues from there and concludes with the Post World War II Era. - Revised Jan 2019

World History A/B in Spanish

Course: 7024/7025

Grade: 10-12



This is a Spanish language version of Course: 7022/7023 -Revised Jan 2019

AP World History A/B

Course: 7051/7052

Grade: 10-12



AP World History A and B will satisfy the one credit requirement for World History in order to meet the graduation requirements. The courses are intended to offer the college-bound student an intensive study in World History that will involve a high level of rigor and comprehension based on extensive reading and writing at the college level. The daily expectation is that students will study between 1-2 hours each day. Students must take both courses and then demonstrate their achievement of college-level work by taking the AP World History exam in the spring. Both courses, through the use of historical thinking skills in the examination of both primary and secondary sources will highlight the nature of changes in international frameworks and their causes and consequences as well as comparisons among major societies. Students must take both courses A & B. -Revised Jan 2019

Economics

Course: 7201

Grade: 11-12

Economics is the study of how people coordinate their wants and desires, given scarce resources and the decision-making mechanisms, social customs & political realities of their societies. Decisions made by consumers, workers, investors, managers and government officials interact to determine the allocation of scarce resources. Specifically, we will be examining the following contents: 1) Introduction to Economics, 2) How Markets Work, 3) Business and Labor, 4) Money, Banking and Finance, 5) Measuring Economic Performance, 6) Government and the Economy and 7) The Global Economy.

ELECTIVE COURSES



Eastern Civilization

Course: 7106

Grade: 11-12

From the Great Wall of China to Kung Fu, from Abraham to Osama bin Laden, this course spans a broad range of relevant topics. Students will examine the unique contributions and achievements of the Far East, South Asia, and the Middle East – half of the world's population and more than half of the world's great

religions. This course will study how Confucianism and Taoism still have influence in modern China and how Buddhism still influences Japan and SE Asia. It also explores how Hinduism and Islam still impact Pakistan and India, and how Islam affects the entire Middle East – and therefore the entire world. Students will also compare/contrast non-Western thought and lifestyle with the Western world, including Christianity, martial arts, literature, film and terrorism; and how each are deeply affected by non-Western thought. Reviewed Jan 2019

Anthropology

Course: 7205

Grade: 10-12

Anthropology is the scientific study of humankind. Physical anthropology investigates the biological aspects of what it means to be human. Cultural anthropology investigates the cultural evolution of human societies through archaeology, ethnology, and linguistics. This class concentrates on cultural anthropology. Reviewed Jan 2019

Political Science

Course: 7206

Grade: 10-12

Prerequisite: PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the

top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



This course addresses the following topics: principles and origins of U.S. Government, the Constitution, federalism, political parties, voters and voter behavior, the electoral process, mass media, public opinion, interest groups, Congress, the presidency, the bureaucracy, economic policy, foreign policy, national defense, the courts, civil liberties, civil rights, comparative political and economic systems, and state and local government. Guest speakers include elected officials, members of political parties, and interest group advocates. Successful completion of this course may enable students to earn 3 semester credits from the Pine Technical and Community College. Reviewed Jan 2019

International Relations (Global Policy, Conflict, and Terrorism in the 21st Century)

Course: 7207

Grade: 10-12

This course will offer an exciting and engaging opportunity to analyze and understand the current direction and events of U.S. foreign affairs. Current affairs and world events as they relate to the United States social and economic welfare is a major focus of this class. This course will examine U.S. foreign policy, the U.S. and the Middle East, the U.S. and Central America, terrorism and the threat to the U.S., and other pertinent contemporary foreign policy issues. Reviewed Jan 2019

CIS Microeconomics

Course: 7210

Grade: 11-12

Prerequisite: Top 20% of class



Students will complete an intensive study of microeconomics and the principles underlying economic activity and the way these principles work through our economic institutions. This course will focus on supply and demand, competition and monopoly, and distribution of income. Successful completion of this course may enable students to earn 4 semester credits from the University of Minnesota. (ApEc 1101) Reviewed Jan 2019



CIS Macroeconomics

Course: 7215

Grade: 11-12

Prerequisite: Top 20% of class



Students will complete an intensive study of macroeconomics and the principles underlying economic activity and the way these principles work through our economic institutions. There is a focus on national income, money and banking, economic growth. Successful completion of this course may enable students to earn 3 semester credits from the University of Minnesota. (ApEc 1102) Reviewed Jan 2019

CIS Political Science

Course: 7216

Grade: 11-12

Prerequisite: Top 20% of class



This course addresses the following topics: dilemmas of democracy, the Constitution, federalism, public opinion, political socialization, mass media, participation and voting, political parties, elections, interest groups, Congress, the presidency, the bureaucracy, the courts, civil liberties, civil rights, and economic, domestic, and global policy. Guest speakers include elected officials, members of political parties, and interest group advocates. Successful completion of this course may enable students to earn 4 semester credits from the University of Minnesota. (Pol 1001) Reviewed Jan 2019

Contemporary Social Issues

Course: 7300

Grade: 11-12

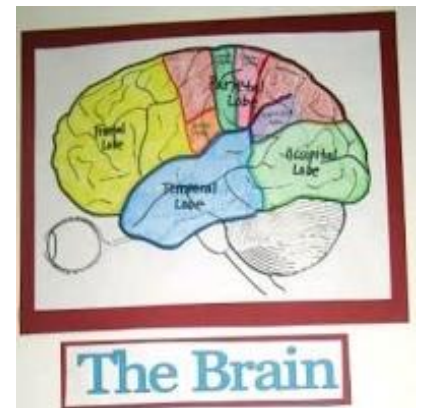
Contemporary Social Issues is a social studies elective course where students study various dynamic issues facing today's society enabling them to discover their values and responsibilities as citizens in that society. Students utilize different learning methods to research, discuss, debate and formulate opinions on controversial topics that students have the opportunity to choose and explore. -Revised Jan 2019

Psychology

Course: 7306

Grade: 10-12

Psychology is the scientific study of the behavior and mental processes of humans and animals. The course of study will concentrate on the following areas: introduction to psychology, methods and experimentation, biological influences on behavior, heredity and environment, physiology of the brain, sleep and consciousness, theories of learning and memory, and psychological disorders and their treatment. Reviewed Jan 2019



Sociology

Course: 7307

Grade: 10-12

Sociology is the scientific study of human interaction and human group behavior in modern societies. This course covers the following concepts which are basic to sociology: (1) the role of the sociologist; (2) the structure and function of society; (3) social processes and institutions; (4) collective and deviant behavior; (5) racial and ethnic relations; (6) communication and propaganda; (7) culture: the product of group experience; and (8) current social issues as related to sociology. Reviewed Jan 2019



AP Psychology A/B

Course: 7316/7317

Grade: 11-12



The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Additionally, this course will prepare students to do acceptable work on the Advanced Placement Psychology

exam. Students will develop and utilize advanced reading, writing, and communication skills. Students must take both courses A & B. Reviewed Jan 2019

Spanish Immersion Opportunities



At Forest Lake Area High School, Spanish instructors have worked with groups of both partial and full immersion students since 2010. To build on the content and language work that immersion students developed before high school, full immersion content courses have been added to the social studies and language arts departments. These immersion content courses allow students to fulfill graduation requirements in core classes while still building their Spanish skills at a challenging level. Students are also supported in language work by the opportunity to take Spanish courses through Levels IV and V, which are paired with the university system and offer college credits.

Our content area instructors have degrees in their subject areas, and are highly proficient in Spanish, enabling immersion students to continue refining their language skills. The course offerings for immersion students are outlined below.

What are your options for the High School Immersion Spanish Track?

<p>9th Grade Social Studies</p>	<ul style="list-style-type: none"> • Human Geography: This required course is offered in Spanish through the Social Studies Department. You will earn a SOCIAL STUDIES (.5 required) credit. • Citizenship and Government: This required course is offered in Spanish through the Social Studies Department. You will earn a SOCIAL STUDIES (.5 required) credit.
<p>10th Grade Social Studies</p>	<ul style="list-style-type: none"> • World History A&B: This required social studies course is offered in Spanish. You will earn a SOCIAL STUDIES (1.0 required) credit.
<p>11th Grade Social Studies</p>	<ul style="list-style-type: none"> • U.S. History A&B: This required social studies course is offered in Spanish. You will earn a SOCIAL STUDIES (1.0 required) credit.
<p>Spanish Language Development</p>	<ul style="list-style-type: none"> • Immersion Spanish 9: This is a two term course for students who have successfully completed Immersion Spanish 8 (formerly Immersion Spanish 3). • Immersion Spanish 10: This is a one term class for students who have taken Immersion Spanish 9 (formerly Immersion Spanish 4) or who are native speakers. • Spanish 5: This is a yearlong class (two-term). Successful completion of this course may enable students to earn 4 semester credits from Southwest State Minnesota University. (College Now Intermediate Spanish 5) Students must be in the top 1/3rd and Seniors must be in the top 1/2 of their class to qualify for taking the course.
<p>Language Arts</p>	<ul style="list-style-type: none"> • Popular Literature in Spanish: This is a one-term (.5 credit) course designed for Immersion Spanish students, heritage Spanish speakers, or traditional Spanish students that have begun or completed Spanish 5. Students who take this course will receive a language arts elective credit.

Special Education

Special Education services will be offered to support students through the Individual Education Plan process and in consultation with each student's case manager. Students are encouraged to register for regular education courses through the registration process. Adjustments will be made as deemed necessary.

Please contact your child's case manager or dean for any specific questions.

Courses Shown Below

Click title to see course description and prerequisites

- [Transition Reading \(9-12\)](#)
[Transition Math \(9-12\)](#)
[Transition Writing \(9-12\)](#)
[Transition Social Skills \(9-12\)](#)
[Transition Organization \(9-12\)](#)

- [Transition Independent Living \(9-12\)](#)
[Transition Employment \(9-12\)](#)
[Transition Post Secondary A \(9-12\)](#)
[Transition Post Secondary B \(9-12\)](#)

- **Transition Reading**

(Teacher or case manager recommendation required)

This course is recommended for students who need to improve their reading comprehension and vocabulary skills. Course topics will vary. Content covered will be designed to meet the individual needs of the students enrolled. This course may be repeated.

Transition Math

(Teacher or case manager recommendation required)

This course is designed to meet the needs of the students enrolled. Topics that may be covered are: number sense, integers, algebraic, problem solving, introduction to geometric figures, probability, linear functions, number sense and more. Course topics will vary. Content covered will be designed to meet the individual needs of the students enrolled. This course may be repeated.

Transition Writing

(Teacher or case manager recommendation required)

Students needing to improve their written language skills may be enrolled in this class. Course topics will vary. Content covered will be designed to meet the individual needs of the students enrolled. This course may be repeated.

Transition Social Skills

(Teacher or case manager recommendation required)

This course will be based on improving student's social skills. Topics covered may include, effective communication, positive social interactions (professional and personal), flexible thinking, maintaining focus, self-advocacy, behavior management, coping strategies, and personal responsibility. Course topics will vary. Content covered will be designed to meet the individual needs of the students enrolled. This course may be repeated.

Transition Organization

(Teacher or case manager recommendation required)

Students who need to improve organization skills may be enrolled in this course. Students may work on using a planner, budgeting time, organizing their physical space, organization of notes, and planning for long term assignments and projects. Course topics will vary. Content covered will be designed to meet the individual needs of the students enrolled. This course may be repeated.

Transition Independent Living

(Teacher or case manager recommendation required)

This course covers topics in the transition areas of home living, community and recreation/leisure. Students may work on meal planning and cooking, budgeting, and a variety of functional math and reading skills, depending on individual IEP goals. This course may be repeated.

Transition Employment

(Teacher or case manager recommendation required)

This course offers vocational opportunities in school and in the community. Students work on job skills such as: being on-task, following directions, responding to supervisors, being respectful, being prompt, communication skills, and customer service skills. This course may be repeated.

Transition Post Secondary A

(Teacher or case manager recommendation required)

This course will help prepare students in developing a "Transition" pathway when he/she completes their requirements for graduation. The student will finish the class with a completed portfolio compiled with career and job relation information. This may include course content areas of: communication skills, diversity awareness, personality traits, career investigation, post secondary options, soft skills, and real-life living skills. This course may be repeated.

Transition Post Secondary B

(Teacher or case manager recommendation required)

The focus of this course is to develop job readiness skills. Students will practice skills and discuss topics such as training/education research, interpersonal and communication skills, dealing with conflict, customer relations, problem solving skills, realistic career goals, career research and safety procedures. Class information will be compiled into a portfolio the student will keep. Course content may include success on the job, career investigations, employability skills, employee rights and responsibilities, job promotions and advancement, and life skills. This course may be repeated.

World Languages

The goal of all courses in the World Language Department is to achieve a functional level of proficiency in the target language and to develop a cultural awareness along with skills to interact with people from different cultures. Most courses consist of two segments, part A and part B, which are offered in consecutive terms. Students should register for both part A and part B of those courses. Unless otherwise specified, it is recommended that students pass each segment with a C- or higher in order to continue to the next segment or level.

Knowledge of one or more world languages and cultures offers a wide variety of advantages and opportunities.

- Students who completed 4 years of world language study scored more than 100 points higher on each section of the SAT than those who didn't. (source: Wall Street Journal, October 30, 2003)
- Four out of five new jobs in the United States are created as a result of foreign trade.
- Communication skills will play an important role in service industries within the United States. Service industries are predicted to be the fastest growing markets in the 21st century.

Courses Shown Below

Click title to see course description and prerequisites

French

[French I A&B \(8-12\)](#)

[French II A&B \(9-12\)](#)

[French III A&B \(10-12\)](#)

[French IV A&B \(10-12\)](#)

[French V A&B \(11-12\)](#)

Chinese

[Chinese I A&B \(8-12\)](#)

[Chinese II A&B \(9-12\)](#)

[CIS Chinese III A&B \(9-12\)](#)

[CIS Chinese IV A&B \(10-12\)](#)

[Chinese V A&B \(11-12\)](#)

[Spanish III A&B \(9-12\)](#)

[Spanish IV A&B \(10-12\)](#)

[Spanish V A&B \(11-12\)](#)

Immersion Spanish

[Immersion 9 A&B \(9\)](#)

[Immersion 10 A \(10-12\)](#)

[Popular Lit. in Spanish \(11-12\)](#) **Fulfills Literature Graduation Requirement**

English as a Second Language

ESL services will be determined based on student eligibility and need. Students are encouraged to register for regular education courses through the registration process.

Spanish

[Spanish I A&B \(8-12\)](#)

[Spanish II A&B \(9-12\)](#)

• FRENCH

French I A/B

Course: 7501/7502

Grade: 8-12

In French I, students will communicate in an interactive setting about subjects of interest to American and French-speaking teens: music, sports, leisure activities, food, etc. They will begin to acquire proficiency in listening to, speaking, reading and writing French while developing cultural sensitivity to the everyday activities of French-speaking people throughout the world.

Please note: To be successful in French it is recommended that students have attained a solid foundation in the reading and writing of English since this is necessary to understanding the basic elements of a second language.

French II A/B

Course: 7511/7512

Grade: 9-12

Prerequisite: C- or better in French IB or instructor approval

In French II, students will continue to acquire proficiency in reading, writing, speaking, and listening in French. Some of the themes explored include shopping, home, health, and travel to Paris. A balance of activities allows students with a variety of learning styles to be successful as they progress from structured practice to more creative expression.

French III A/B

Course: 7521/7522

Grade: 10-12

Prerequisite: C- or better in French IIB or instructor approval

French III students have acquired a solid foundation for communicating with others in French. They will expand upon those skills by investigating new themes such as sports, life in the French West Indies, traveling by train and dining out. Their ability to read and write French will improve as they learn how to analyze songs, poems, articles and stories in French.

French IV A/B

Course: 7531/7532

Grade: 10-12

Prerequisite: C- or better in French IIIB or instructor approval

Students in French IV will further develop their ability to interact with others in authentic French while enhancing all of their language skills. They will become acquainted with famous French people and their accomplishments, and will heighten their awareness of our French-speaking Canadian neighbors and the Francophone culture of North Africa.



French V A/B

Course: 7553/7554

Grade: 11-12

Prerequisite: C- or better in French IVB or instructor approval



This is a University of Minnesota College in the Schools course with a focus on development of reading, listening, writing, and speaking skills in the context of cultural themes related to the Francophone world. Course objectives are to complete a systematic review of French grammar at the intermediate level, to promote awareness and appreciation of Francophone culture, to develop reading skills through the study of authentic texts, and to continue the development of speaking, writing, and listening skills. **Successful completion of the course may enable students to earn 5 semester credits from the University of Minnesota (Intermediate French 1003).**

SPANISH

Spanish I A/B

Course: 7701/7702

Grade: 8-12

Spanish I is an introductory language course encompassing pronunciation, high frequency vocabulary, and basic sentences and questions in the present tense. Students will develop speaking, listening, reading, and writing skills through real-life topics such as likes and dislikes, activities, family, school, friends, food, places, telling time, geography, and culture. Spanish as the mode of instruction will be used as students' language acquisition increases. Eighth grade students will receive a high school credit for this course. Most universities require a minimum of two years of the same language as an entrance requirement. Students will have the opportunity to continue their language study through level 5. In levels 4 and 5 students have the opportunity to receive college credits.

Spanish II A/B

Course: 7711/7712

Grade: 9-12

Prerequisite: C- or better in Spanish IB or instructor approval

In Spanish II, students will build upon their vocabulary and improve their level of proficiency in speaking, listening, reading, and writing. Spanish as the mode of instruction will be frequently used as students continue to increase their language acquisition. Students will develop speaking, listening, reading, and writing skills through real-life topics such as making plans, restaurant scenarios, family celebrations, household obligations, shopping, travel, and talking about the past. Most universities require a minimum of two years of the same language as an entrance requirement. Students will have the opportunity to continue their language study through level 5. In levels 4 and 5 students have the opportunity to receive college credits.



Spanish III A/B

Course: 7721/7722

Grade: 9-12

Prerequisite: C- or better in Spanish IIB or instructor approval

In Spanish III, students will build upon their vocabulary and improve their level of proficiency in speaking, listening, reading, and writing. Spanish as the mode of instruction will be frequently used as students continue to increase their language acquisition. Students will develop speaking, listening, reading, and writing skills through real-life topics such as extracurricular activities, daily routines, places in our community, childhood, and holiday celebrations. Students will further their Spanish abilities in this class through storytelling, reading novels, grammar instruction, and much more. Students will have the opportunity to continue their language study through level 5. In levels 4 and 5 students have the opportunity to receive college credits.

Spanish IV A/B

Course: 7731/7732

Grade: 10-12

Prerequisite: C- or better in Spanish IIIB or instructor approval

PTCC requires students to meet one of the following assessments: ACT of 22 or higher, MCA reading score of 1047 or Accuplacer scores of 250+ in reading/arithmetic. Seniors must be in the top 1/2 of their graduating class and a GPA of at least 2.5. Juniors in the top 1/3 of their graduating class and a GPA of at least 3.0.



Spanish IV students will continue to improve their conversational skills and their understanding of important grammatical structures such as past and future verb tenses and the subjunctive constructs. Writing skills will improve through compositions and proofreading activities. Students will begin to read at a more in-depth level with various types of native readings. In addition, students will examine the concept of culture and will compare the cultures of the U.S. with that of Spanish-speaking countries. **Successful completion of this course may enable students to earn 3 semester credits from Pine Technical and Community College.**

Spanish V A/B

Course: 7753/7754

Grade: 11-12

Prerequisite: C- or better in Spanish IVB or instructor approval

Southwest State requires students to have a minimum 3.0 GPA. Seniors must be in the top 1/2 of their graduating class. Juniors in the top 1/3 of their graduating class



College Now Spanish V is offered in conjunction with Southwest State University's College Now in Spanish. Spanish V students will continue to develop proficiency in reading, writing, speaking, and listening. The emphasis in Spanish V is on activities and projects where students refine their grammar and communication in Spanish. Culture is a key component of Spanish V. Through music, literature, writing, and in-class discussion, various aspects of Hispanic and American culture will be compared and contrasted. **Successful completion of this course will enable students to earn 4 semester credits from the Southwest State Minnesota University.** Students wishing to take Spanish 5 should complete Spanish 4 in their junior year.



Immersion Spanish 9 A/B (formerly: Immersion Spanish III)

Course: 7764/7765

Grade: 9

Prerequisite: C- or better in Immersion Spanish 8B or instructor approval



Immersion Spanish 9 is a course that will continue the development of students' proficiency and awareness of Spanish-speaking cultures, with connections to their own. In this course, students will continue working on extending their knowledge of Spanish grammatical structure, vocabulary, and fluency. Students will use their Spanish language communication skills to study various cultures and countries where Spanish is spoken.

Immersion Spanish 10 (formerly: Immersion Spanish IV)

Course: 7766

Grade: 10-12

Prerequisite: C- or better in Immersion Spanish 9B or instructor approval



Immersion students have unique language learning experiences and needs that would not be met in the traditional Spanish IV course. Therefore, Immersion Spanish 10 is designed to meet the needs of students who have completed Immersion Spanish 9 or who are native speakers. The instruction, discussion, and writing will be completely in Spanish. The course is designed to review and reinforce grammatical structures with which immersion students typically struggle, as well as to provide opportunities for students to use their Spanish skills to engage with authentic content, such as films, short stories, and current events. Immersion Spanish 10 will prepare students for CIS Spanish V or further Spanish study in college.

CHINESE

Chinese I A/B

Course: 7901/7902

Grade: 8-12

This is an introduction to Mandarin and Chinese culture. All four modalities-listening, speaking, reading, and writing will be taught with a major emphasis on speaking and listening. Students will learn the Pin Yin spelling system as well as various important Chinese characters. Much time will be devoted to pronunciation, radical and character recognition, basic vocabulary, and sentence-structure building. Students will learn to express themselves and understand others on topics closely related to their own experience and their daily life. Students will also learn about Chinese culture such as Chinese holiday celebrations, arts, and crafts. Cultural activities may include calligraphy, games and cooking.

Chinese II A/B

Course: 7911/7912

Grade: 9-12

Prerequisite: C- or better in Chinese IB or instructor approval

This is a continuation course for students who have successfully completed Chinese Level 1. Students start by reviewing skills from level 1. Students will focus on the four language modalities: Listening, speaking, reading, writing will be covered, with speaking and listening still being the major emphasis. Students will learn to present more complex descriptions and basic ways to support arguments, become more familiar with different varieties of Mandarin discourse forms, and learn to read and write in Pin Yin and characters about the topics learned. Topics covered include shopping, talking about past and future events, daily and leisure activities, home and school.

CIS Chinese III A/B

Course: 7923/7924

Grade: 9-12

Prerequisite: C- or better in Chinese IIB or instructor approval



Students will build on Level 1 and 2 vocabulary and expand on both vocabulary and language structures. With speaking and listening still being the main focus, students will continue to practice reading and writing. Students will improve their listening and speaking with the goal of understanding and producing language with longer and more complex structures. Students will expand their reading and writing skills in different discourse forms, such as letters, diary entries, commercials, menus, and idioms. Students will also develop a familiarity with authentic materials. Chinese Level 3 topics include weather, going to the doctor, visiting a restaurant and getting around town.

CIS Chinese IV A/B

Course: 7955/7956

Grade: 10-12

Prerequisite: C- or better in Chinese IIIB or instructor approval



This course is conducted mostly in Mandarin and as such students are expected to use more target language in this class. Students will learn and practice with textbooks and more authentic materials. Students will be able to express themselves in a variety of topics (such as renting an apartment, travel, dating) with longer sentences, more complex sentence structures and fluency. Students will learn more Chinese characters and will develop reading and writing. Improvised speaking, independent reading and essay writing will be emphasized.

Chinese V A/B

Course: 7965/7966

Grade: 11-12

Prerequisite: C- or better in Chinese IVB or instructor approval

Chinese Level 5 is a continuation of Chinese 4 and is taught mainly in Mandarin. The main focus will be on enhancing Chinese language proficiency and the cultural awareness. The course is designed to further develop students' four language modalities (listening, speaking, reading and writing) by concentrating upon their ability to output complex ideas orally and in written essays. The students will learn advanced grammar, complex language structures, ancient poems, and various pieces of Chinese literature.

LANGUAGE ARTS DEPARTMENT

Popular Literature In Spanish

Course: 4317

Grade: 11-12

Prerequisite recommendation: Immersion Spanish students, heritage Spanish speakers, or traditional Spanish students that have begun or completed Spanish 5



This is a one term, (.5 credit) course designed for Immersion Spanish students, heritage Spanish speakers, or traditional Spanish students that have begun or completed Spanish 5. It allows students to earn a LANGUAGE ARTS elective credit. The reading, writing, and discussion will be in Spanish. Literature, with its potential to entertain and challenge, provides a perfect setting to explore new worlds and new ideas. This is the purpose of Popular Literature. It is designed to continue the study of literary terms and structure begun in English 10 and relate them to current themes and topics in literature and society today. Students will examine, discuss, and write about some of the best popular literary selections including modern novels, short stories and essays. Additionally students will read and study five novels. This credit fulfills the Language Arts literature elective requirement.

ENGLISH AS A SECOND LANGUAGE (ESL)

ESL services will be determined based on student eligibility and need. Students are encouraged to register for regular education courses through the registration process.