Welcome to Edina High School!

We are excited and proud of the work we do at Edina High School to provide an exceptional education and assist students in preparation for their future. We look to equip students with the necessary skills to be successful at the next level; whether it is college, vocational training, or work. This process begins with registration and our course catalog serves as a guide to the many academic programs offered. Please read this catalog carefully as it will prove helpful in academic planning today, and for the future.

As you consider your course planning for the upcoming years, pay special attention to the points below:

**A typical course load for students is six periods out of the seven offered.**
- Students are recommended to maintain an “open” hour for extra time to study by registering for a student prep class, serving as a peer tutor, or serving in a leadership role.

**Consider taking rigorous courses, but monitor your daily and evening schedule and balance.**
- Take advantage of courses offered at EHS that also provide college credit.
- Be sure to pay close attention to how you want your evenings to be structured.
  - Do you have a job outside of school?
  - Are you involved in an extra-curricular activity?
  - Are there other outside commitments that could take priority over school?
  - How much time will you have to allocate to homework/studying?

**Look at courses related to your interests beyond high school.**
- Talk to people in professions you are interested in to determine what kind of preparation you can make in high school.
- Experiences in an area of interest will allow you to explore whether you should continue to pursue that area of interest.

**Program planning is a team effort that involves parents, students and staff.**
- Ask your counselor or teacher for help.
- Making good academic decisions during a student’s time at Edina High School will help them render decisions that impact future planning. We want students to experience a fulfilling high school career.

**HOME OF THE HORNETS**
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GRADUATION REQUIREMENTS

Students must earn 43 semester credits in grades 9-12 in order to qualify for graduation.

The following is a brief description of requirements; please refer to the individual subject sections of this guide and the Graduation Requirements Worksheet, available from the Student Services office, for additional clarification.

<table>
<thead>
<tr>
<th>Required Subjects</th>
<th>Credits</th>
<th>Minimal Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>6</td>
<td>Algebra I (if taken at EHS), Geometry, Advanced Algebra and coursework in probability and statistics (for class of 2023-Intermediate Algebra, Geometry, Algebra II)</td>
</tr>
<tr>
<td>Science</td>
<td>6</td>
<td>Biology, at least Physics or Chemistry, and two additional semester credits</td>
</tr>
<tr>
<td>Language Arts / English</td>
<td>8</td>
<td>Pre-AP English 9, Pre-AP English 10, US Literature, English 12 A, and English 12 B</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
<td>Personal Wellness, and one additional semester credit in grades 9-12</td>
</tr>
<tr>
<td>Social Studies</td>
<td>7</td>
<td>U.S. Government, U.S. History, World History or European History, and Economics (Geography standards are embedded through the standard course sequence)</td>
</tr>
<tr>
<td>Arts</td>
<td>2</td>
<td>Coursework in visual arts, music, theater, dance, or media</td>
</tr>
<tr>
<td>Health</td>
<td>1</td>
<td>Health</td>
</tr>
</tbody>
</table>

Required Credits: 32
Elective Credits: 11
Total Credits Needed for Diploma: 43

REGISTRATION

ACADEMIC COURSES

Courses are arranged in this catalog in the traditional subject areas listed below:

- Arts: Performing, Fine, & Visual Arts
- Mathematics
- Business
- Science
- Engineering and Technology
- Social Studies
- English
- Personal Wellness & Fitness
- Family & Consumer Sciences
- World Languages

NEW CLASSES FOR 2020-21

- Video Production I (1), p.13
- Blended Economics, p. 41
- American Sign Language IV (4), p. 44

COLLEGE CREDIT AND ADVANCED LEARNING OPPORTUNITIES

Students have many enriched course offerings from which to choose. Such options include the possibility of earning college credit through Project Lead the Way (PLTW), Advanced Placement (AP) or College Level Examination Programs (CLEP). Additional information about enriched learning opportunities is included in this catalog and from counselors. Advanced Placement examinations require payment of a fee. They are administered on campus each May. College Level Examination Programs are administered at many colleges and universities upon the student’s entry. Any student interested in this option should consult the catalog of the college or university to which he/she is applying.
Specific courses that are designed to provide an enriched approach and/or to provide preparation for Advanced Placement examinations are as follows:

<table>
<thead>
<tr>
<th>Arts: Performing, Fine, &amp; Visual Arts</th>
<th>Science</th>
<th>AP World History</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Studio Art</td>
<td>AP Biology</td>
<td>Enriched Sociology</td>
</tr>
<tr>
<td><strong>Engineering and Technology</strong></td>
<td>AP Chemistry</td>
<td><strong>World Languages</strong></td>
</tr>
<tr>
<td>Civil Engineering and Architecture</td>
<td>AP Environmental Science</td>
<td>AP Chinese Language &amp; Culture</td>
</tr>
<tr>
<td>Digital Electronics</td>
<td>AP Physics</td>
<td>AP French Language &amp; Culture</td>
</tr>
<tr>
<td>Intro to Engineering Design</td>
<td>Enriched Chemistry</td>
<td>AP Latin V</td>
</tr>
<tr>
<td>Principles of Engineering Design</td>
<td>Enriched Biology</td>
<td>AP Spanish Language &amp; Culture</td>
</tr>
<tr>
<td><strong>English</strong></td>
<td>Enriched Physics</td>
<td>Enriched French IV</td>
</tr>
<tr>
<td>AP United States Literature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP Literature 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>AP Comparative Government</td>
<td></td>
</tr>
<tr>
<td>AP Calculus (AB &amp; BC)</td>
<td>AP Economics (Micro/Macro)</td>
<td></td>
</tr>
<tr>
<td>AP Computer Science</td>
<td>AP European History</td>
<td></td>
</tr>
<tr>
<td>AP Statistics and Trigonometry</td>
<td>AP Human Geography</td>
<td></td>
</tr>
<tr>
<td>College Algebra</td>
<td>AP Psychology</td>
<td></td>
</tr>
<tr>
<td>Introduction to Mathematical Sciences</td>
<td>AP U.S. Government</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AP U.S. History</td>
<td></td>
</tr>
</tbody>
</table>

**GRADE WEIGHTING**

Advanced Placement (AP) courses are weighted at 1.2 in the student’s academic GPA as compared to other courses offered in this registration guide.

**SCHEDULE CHANGES**

The master schedule is created each year to accommodate course selections by students. From this, faculty members are employed, textbooks are purchased, and rooms are assigned based on these course requests. The master schedule does change from semester to semester and students are not guaranteed the same teacher or class schedule each semester. Because our district is growing and classroom capacity is at the cap, schedule changes will follow a strict procedure.

Students will receive a copy of their course requests in the spring to verify they have registered for the appropriate classes.

Once the semester has begun, a schedule change request will only be made for the following reasons:

**Course Additions:** Students may add a course to fill an unscheduled hour, student prep, or another course only if there is available space in the desired class during the first week of each semester. Students are expected to complete all of the work that was assigned in the new course prior to enrollment.

**Course Drops:** Students may drop a course prior to the end of the fourth week of each semester without penalty, provided the student maintains at least six credit-bearing courses. Students should fill out a course drop form available in the counseling office. Students who drop a class after the deadline will receive a grade of “F” included on their transcript and in their grade point average.

**Course Level Changes:** Level changes may be made in rare and unique circumstances. Students who attend class regularly, turn in all required work, and seek additional support as needed, will increase their likelihood of achieving academic success. If a student experiences serious academic difficulties and/or has failing grades, a parent/student/teacher conference is recommended. Students who follow these steps yet continue to experience consistent academic failure should see their counselor to discuss a level change. Space in the desired course must also be available.
POST-HIGH SCHOOL PLANNING

TYPICAL FOUR YEAR COLLEGES AND UNIVERSITIES

In general, being academically prepared for college means adequate preparation in English, history/social studies, mathematics and science. Most college programs also require the study of a world language. Study in these fields may enable students to score higher on college entrance tests. Nearly all colleges expect students to have taken at least 32 semester credits in these college preparatory, academic areas while in grades 9-12. The more selective the college, the more preparation they expect in core academic disciplines.

To learn about specific admission requirements, students should consult websites of the colleges and universities where they are interested in possibly attending. In particular, please note their requirements for English credits. While Edina High School accepts some courses for English credit, some schools may not accept them as part of a four-year admissions requirement in English. In addition, Whigrean and Zephyrus will not meet the English requirement for either Edina High School or four-year colleges or universities. There are a few universities that may not accept courses such as Film and Literature or Mass Media. As always, if a student has any questions about admission requirements, he/she should talk with their respective counselor.

Entrance requirements for more selective colleges and for several of the colleges of the University of Minnesota are as follows:

MORE SELECTIVE FOUR YEAR COLLEGES AND UNIVERSITIES

Most colleges require the following courses/credits in Grades 9-12 as a minimum:
- 8 credits in English (emphasis on writing, speaking and literature)
- 8 credits in math (1 year of algebra, 1 year of geometry, 1 year of advanced algebra, and 1 year of FST or Precalculus)
- 6 credits in laboratory sciences
- 7 credits in social sciences
- 8 credits in a single world language, strongly recommended (Grades 8-12)*
  *American Sign Language is accepted as a second language by most, but not all schools.

The expectations at competitive colleges are significantly higher. These colleges would expect prospective students to have challenged themselves by taking at least some Advanced Placement or enriched courses.

UNIVERSITY OF MINNESOTA

Students planning to attend the University of Minnesota, or any of its branches, their freshman year should complete the following, at a minimum, in Grades 9-12:
- 8 credits in English (emphasis on writing, speaking, and literature)
- 8 credits in mathematics (1 year each of algebra, geometry, advanced algebra, and FST or college algebra prep)
- 6 credits in laboratory sciences (1 year each of a biological and a physical science)
- 4 credits in a single world language (Grades 8-12)
- 6 credits in social studies (including United States history)
- 2 credits in visual and performing arts, including instruction in the history and interpretation of the art form (e.g., theater arts, music, band, chorus, orchestra, drawing, painting, photography, graphic design, etc.)

We strongly encourage students to take courses beyond these minimum requirements. Additional coursework beyond these minimums increases a student’s chances for admission. Indeed, while not requiring more courses, almost all successful applicants present additional classes.

MINNESOTA STATE UNIVERSITY SYSTEM

Students planning to enter a Minnesota State University are required to complete the following courses in grades 9-12:
- 8 credits in English (emphasis on writing, speaking, and literature)
- 6 credits in science (1 year each of chemistry, physics, and biology)
- 6 credits in mathematics (1 year each of algebra, geometry, advanced algebra)
- 4 credits in a single world language (Grades 8-12)
- 6 credits in social studies (1 year each of US history and geography)
COMMUNITY COLLEGES

Community colleges offer some vocationally oriented programs involving one or two years of study to prepare for full-time employment. They also offer the first two years of a traditional four-year college program. Most community colleges admit any student who has graduated from high school, however some programs have special admissions requirements. Interested students should check catalogs and/or speak directly with an admissions representative.

BUSINESS AND TECHNICAL SCHOOLS AND COLLEGES

A wide variety of programs are offered in these schools, both public and private. Some involve prior training in high school. Interested students should check the catalogs of these schools in the Career Center or phone the school directly for suggested high school preparation.

JOB ENTRY AFTER HIGH SCHOOL

Students who plan to enter employment directly after high school graduation may want to consider courses to improve their skills in mathematics, communications, and technical fields. Students considering moving into employment directly out of high school should also consider that they may want to pursue post-secondary training at a later time.

MILITARY SERVICE

Many training opportunities are offered in the military services. Some of these involve special preparation in high school. Military information is readily available from the recruiters and in the Career Center. Recruiters from the various branches visit once each quarter.

Athletic Eligibility College-Bound Student-Athlete
Division I or II

If you intend to participate in Division I or II athletics as a college freshman, you must register and be certified by the NCAA Initial Eligibility Clearinghouse. The Clearinghouse is the agency that handles all eligibility for Division I and II athletics.

REGISTRATION PROCESS

Clearinghouse Registration Materials are available on the website www.eligibilitycenter.org that maintains and processes all of the initial-eligibility certifications. Complete the online form at the website listed above or call the NCAA publications hotline at 800-638-3731 for a free copy of the Guide for the College-Bound Student-Athlete which contains the registration forms and a Clearinghouse brochure. This guide can also be viewed online in the Student-Athlete Eligibility and recruiting section of the web site.

TEST SCORES

To be certified, you must submit your ACT or SAT scores to the NCAA Clearinghouse. Your scores must be sent directly from the testing agency to the Clearinghouse.

CORE COURSE GUIDELINES/NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE

Students inquiring about approved core courses should consult with the NCAA Clearinghouse website at https://web1.ncaa.org/hsportal/exec/hsAction.

The EHS school code for all NCAA documents is 240708. Students should see their counselor if they have questions about anything related to the NCAA or athletic eligibility.
**Capstone**

**Capstone: Fine Arts**
AR4X10S1 or AR4X10S2

**PREREQUISITE:** Prior knowledge in any of the arts disciplines *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

Capstone: Fine Arts is an advanced-level, one semester course where fine arts students from multiple disciplines can create and put into motion original artistic projects. Students will be given guidance, time and space to create, write, compose, choreograph, and refine their method of artistic discovery. On selected dates each week, students from all projects will gather as a group to participate in informal share-outs. At the end of the semester, all students and groups will present a showcase of their work to celebrate their experiences. All fine arts students with proficiency in their craft may participate (instrumental and vocal music, theater, dance, studio art). Instrumental and studio art students must supply their own instrument and/or materials for this class based on their project needs. Time and space in the art studio and or performance hall will be scheduled on a weekly basis depending on availability.

**General Music**

**Intro to Music Theory Comp**
MU4X14S1

**PREREQUISITE:** None

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S1 only

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

Intro to Music Theory Comp is a semester long course offered in the fall. This course is designed for students interested in deepening their prior knowledge of Music Theory and how it relates to their personal performance area. The course is divided into 3 sections that include aural skills such as ear training, sight singing and melodic dictation; written skills which includes harmony and chord building and figured bass; and rhythmic skills including Dalcroze movement and rhythmic dictation exercises. This course is open to the general school population. A knowledge of note reading and instrumental or vocal music background is strongly encouraged to ensure student success in the course.

**Advanced Music Theory Comp**
MU4X15S2

**PREREQUISITE:** Intro to Music Theory and Composition *

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S2 only

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

Advanced Music Theory and Comp is a one semester long course offered in the spring. This course is designed to sharpen students knowledge of music theory and composition. The course will continue work in the 3 music competency areas, which include: aural skills, written skills, and rhythmic skills. Course work will mirror the AP music theory curriculum, however this is not an AP offering. Additional course work will include composing a senior piece for a school chamber ensemble, and/or a chorale in style of Bach using the 18th century rules.

**Band**

**9th Grade Band**
MU4F30S1 and MU4F30S2

**PREREQUISITE:** Band 8 or director’s approval *

**GRADE:** 9

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

This full-year grade level course is designed to offer band students further opportunities to improve and expand their performance skills. Instruction will include beginning marching experience, as well as advanced materials that will aid the student in developing the necessary skills for continued progress in the band curriculum. Commitment to out-of-class individual practice time on a daily basis is expected and private study is encouraged. During the Fall, instruction will include an introduction to marching band and during the Winter, instruction will include an introduction to pep band.

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*Special Education (IEP) teams may waive course pre-requisites in partnership with classroom teachers to provide appropriate access to students with disabilities*
10th Grade Band
MU4534S1 and MU4534S2

**PREREQUISITE:** Band 9 or director’s approval *
**GRADE:** 10
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This non-auditioned, full-year grade level course is designed to offer band students further opportunities to improve and expand their performance skills. Instruction will include beginning marching experience, as well as advanced materials that will aid the student in developing the necessary skills for continued progress in the band curriculum. Commitment to out-of-class individual practice time on a daily basis is expected and private study is encouraged. During the fall quarter, all members of the 10th Grade Band will automatically become members of the Marching Band. Students are required to attend one week of SPAT camp in late August to learn the Pre-Game and Half-Time Show for the season. Once school starts, students are required to attend one rehearsal per week until mid-October and perform at all home football games. Members who are assigned to Varsity Band will perform six concerts including the Conference Band Festival and the MSHSL Large Group Contest, four pep band events, and other performance opportunities that arise throughout the year.

**Upper Level Band**
MU4X01S1 and MU4X01S2

**PREREQUISITE:** None
**GRADE:** 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

ALL STUDENTS GRADES 11 AND 12 interested in band should register for this course.

**Varsity Band**
Register for Upper Level Band

**PREREQUISITE:** Audition and Director approval *
**GRADE:** 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Varsity Band is a full-year course, admittance by audition only, geared toward sophomore, junior, and senior band students who are performing at an advanced level with emphasis on the development of musical independence and ensemble playing through the performance of a wide range of literature. Commitment to out-of-class individual practice time on a daily basis and private study is encouraged. During the fall quarter all members of the Varsity Band will automatically become members of the Marching Band. Students are required to attend one week of SPAT camp in late August to learn the Pre-Game and Half-Time Show for the season. Once school starts, students are required to attend one rehearsal per week until mid-October and perform at all home football games. Members who are assigned to Varsity Band will perform six concerts including the Conference Band Festival and the MSHSL Large Group Contest, four pep band events, and other performance opportunities that arise throughout the year.

**Symphonic Band**
Register for Upper Level Band

**PREREQUISITE:** 9th and/or 10th grade band or director’s approval *
**GRADE:** 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This full-year non-auditioned course is designed to offer junior and senior band students further opportunities to improve and expand their performance skills in a low pressure ensemble. While it’s not required for Symphonic Band members, students may choose to participate in the Marching Band in the fall, in pep fests throughout the year, and in the winter pep band. Repertoire is selected to continue to develop the necessary skills for continued progress in the band curriculum. Commitment to regular out-of-class individual practice time and private study is encouraged. Members who are assigned to Symphonic Band will perform at four concerts.

**Concert Band**
Register for Upper Level Band

**PREREQUISITE:** Audition and Director approval *
**GRADE:** 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Concert Band is a full-year course, admittance by audition only, geared towards students who are performing at the highest level. Audition requirements are rigorous and the performance level requires an advanced knowledge of the instrument, advanced range and mature musicianship. There are a wide variety of classical, popular and service performance opportunities for full band, small ensembles and soloists. In January and February, during preparations for the annual POPS concerts, two full band rehearsals a week are held outside the school day. Commitment to out-of-class individual practice time on a daily basis is required and private study is encouraged. During the fall quarter all members of the Concert Band will automatically become members of the Marching Band. Students are required to attend one week of SPAT camp in late August to learn the Pre-Game and Half-Time Show for the season. Once school starts, students are required to attend one rehearsal per week until mid-October and perform at all home football games. Members who are assigned to Concert Band will perform at concerts, select home winter sports, activities and state and regional competitions.

*Special Education (IEP) teams may waive course pre-requisites in partnership with classroom teachers to provide appropriate access to students with disabilities*
## Choir

### 9 - 12th Grade Choir
MU4X02S1 and MU4X02S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

All students grades 9, 10, 11 and 12 interested in choir should register for this course.

### 9th Grade Choir TTB
Register for 9 - 12th Grade Choir

**PREREQUISITE:** None  
**GRADE:** 9  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This two-semester, non-auditioned choir for 9th graders (tenor I, tenor II, and bass – TTB) offers students an opportunity to sing and perform at an introductory high school level. Rehearsal and performance of standard choral literature, study of music theory, music history, and general music skills are given equal importance in the course. Repertoire for 9th Grade Choir ranges from traditional choral literature to contemporary pop arrangements. All members are required to perform in the Fall Concert, the Winter Masterworks Concert and the Spring Sing Concert. Additional combined rehearsals may also be held outside the school day in preparation for each individual concert.

### 9th Grade Choir SSA
Register for 9 - 12th Grade Choir

**PREREQUISITE:** None  
**GRADE:** 9  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

9th Grade Choir SSA (9) is a two-semester, non-auditioned choir for 9th graders (soprano I, soprano II, and alto - SSA) which offers students an opportunity to sing and perform at an introductory high school level. Rehearsal and performance of standard choral literature, as well as study of music theory, music history, and general music skills are given equal importance in the course. Repertoire for 9th Grade Choir ranges from traditional choral literature to contemporary pop arrangements. All members are required to perform in the Fall Concert, the Winter Masterworks Concert and the Spring Sing Concert. Additional combined rehearsals may also be held outside the school day in preparation for each individual concert.

### Varsity Choir TTB
Register for 9 - 12th Grade Choir

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

Varsity Choir TTB (10, 11, 12) is a two-semester, non-auditioned choir for 10th-12th graders (tenor I, tenor II and bass – TTB) that seeks to develop good vocal techniques through rehearsal and performance experience. The study of music theory, music history, vocal technique, and sight-singing are also incorporated into rehearsals. Repertoire for Varsity Choir ranges from traditional choral literature to contemporary pop arrangements. Attendance is required at the Fall Concert, the Winter Masterworks Concert and the Happenin’ Concert in the spring. Additional combined rehearsals may also be held outside the school day in preparation for each individual concert.

### Varsity Choir SSA
Register for 9 - 12th Grade Choir

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

Varsity Choir SSA (10, 11, 12) is a two-semester, non-auditioned choir for 10th-12th graders (soprano I, soprano II, and alto - SSA) that seeks to develop good vocal techniques through rehearsal and performance experience. The study of music theory, music history, vocal technique, and sight-singing are also incorporated into rehearsals. Repertoire for Varsity Choir ranges from serious choral literature to contemporary pop arrangements. Attendance is required at the Fall Concert, the Winter Masterworks Concert and the Happenin’ Concert in the spring. Additional combined rehearsals may also be held outside the school day in preparation for each individual concert.

### Bel Canto Choir
Register for 9 - 12th Grade Choir

**PREREQUISITE:** Audition *  
**GRADE:** 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

Bel Canto Choir (10, 11, 12) is a two-semester, auditioned choir designed especially for the rehearsal and performance of three and four part treble music (soprano I, soprano II, alto I, and alto II). Repertoire for Bel Canto ranges from advanced traditional choral literature to contemporary pop arrangements.

*Special Education (IEP) teams may waive course pre-requisites in partnership with classroom teachers to provide appropriate access to students with disabilities*
Auditions with the directors are required in the spring. Vocal technique and basic sight-reading skills are part of each rehearsal. When applicable and appropriate, fundamentals of music theory and music history are reviewed. Attendance is required at each performance, which includes the Fall Concert, Masterworks Concert, and the Happenin’ Concert or a spring concert featuring only Bel Canto.

**Cantemus Choir**
Register for 9-12th Grade Choir

**PREREQUISITE:** Audition *

**GRADE:** 10, 11, 12

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

Cantemus Choir is an auditioned choir designed especially for the rehearsal and performance of three and four part tenor-bass music (tenor I, tenor II, baritone, bass). Repertoire for Cantemus ranges from advanced traditional choral literature to contemporary pop arrangements. Auditions with the directors are required in the spring. Vocal technique and basic sight-reading skills are part of each rehearsal. When applicable and appropriate, fundamentals of music theory and music history are reviewed. Attendance is required at each performance, which includes the Fall Concert, Masterworks Concert, and the Happenin’ Concert or a shared spring concert with Bel Canto.

**Concert Choir**
Register for 9-12th Grade Choir

**PREREQUISITE:** Audition *

**GRADE:** 10, 11, 12

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

Concert Choir SATB (11, 12) is a two-semester, auditioned choir for mixed voices that focuses primarily on the rehearsal and performance of advanced standard choral literature from the Renaissance through the Twenty-First Century. Auditions with the directors are required in the spring. Vocal technique and sight-reading are stressed in every rehearsal. When applicable and appropriate, fundamentals of music theory and music history are reviewed. Attendance is required at each performance, which includes the Fall Concert, Winter Jubilee, Masterworks Concert, Current Jam, and Commencement.

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*Special Education (IEP) teams may waive course pre-requisites in partnership with classroom teachers to provide appropriate access to students with disabilities*
**Arts: Performing Arts, Fine Arts, Visual Arts**

**Varsity Orchestra**
Register for 10 - 12th Grade Orchestra

**PREREQUISITE:** Audition *
**GRADE:** 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Students who are accepted to participate in Varsity Orchestra commit to a full year orchestra experience. Varsity Orchestra is an accelerated, performance oriented group that is designed to prepare students for Concert Orchestra, the top ensemble at EHS. Varsity Orchestra members will continue their development of technique in advanced positions and musical interpretation and leadership through the study of standard high school orchestra literature. Students will work toward mastering three octave scales. Varsity Orchestra will represent EHS at the Lake Conference Orchestra Festival. Private instruction is not required, but encouraged to help develop, maintain and further personal playing.

**Concert Orchestra**
Register for 10 - 12th Grade Orchestra

**PREREQUISITE:** Audition *
**GRADE:** 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Often
**FEE:** None

Students who are accepted to participate in Concert Orchestra commit to a full year orchestra experience. Concert Orchestra is an accelerated, performance oriented group with dedicated students who are performing at the highest orchestral level at EHS. The audition requirements are rigorous, and the performance level requires an advanced knowledge of instrument and range. Students will study a wide variety of advanced repertoire which will require higher level musical ability and technical skills. Students join weekly with select wind, brass and percussion players from the EHS Concert Band to prepare and perform full symphonic works. Students enrolled in Concert Orchestra are encouraged to enroll in private lessons.

**Introduction to Dance**
PA4X51S1 or PA4X51S2

**PREREQUISITE:** None
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Minimal
**FEE:** None

This course partially satisfies the Arts requirement. Want to learn how to execute that cool Hip-hop move from the Beyoncé video? Need to improve your balance and coordination for hockey? Ever wonder what it would be like to dance a section from the Swan Lake ballet? Then “Introduction to Dance” is the course for you! Dance class counts as your performing arts credit or as a general elective credit. This introductory course to movement is designed to teach students the basics of contemporary, cultural, and classical dance styles. Students learn the rudimentary steps that all dance genres are based upon and how to properly execute these movements. Students will then build upon these movements to learn the basic steps of several dance styles. These styles include: Yoga, Jazz, Hip-Hop, Ballet, Tap and Swing. Students also have the opportunity to learn how to choreograph and create their own dance numbers. The class culminates in a festive, evening performance for friends and family.

**Theater for All**
PA4X52S1 or PA4X52S2

**PREREQUISITE:** None
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Minimal
**FEE:** None

This course satisfies one of the Arts requirements. Theater for All is a performing arts class that pairs disabled students with non-disabled peers in order to produce and perform a musical. Students learn singing, dancing, and acting skills as well as basic set, costume, make-up, and lighting design skills. Students work with their partner to learn these skills in order to create a student produced and directed show. During the course of rehearsals, students also learn how to communicate and collaborate effectively, successfully and creatively. Non-disabled students learn how their skills can be used to serve the community, and disabled students learn how their personal voice and identity can shine in public and on the stage.

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*Special Education (IEP) teams may waive course pre-requisites in partnership with classroom teachers to provide appropriate access to students with disabilities*
**Arts: Performing Arts, Fine Arts, Visual Arts**

**Theater Production**
PA4X11S1 or PA4X11S2

**PREREQUISITE:** None
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** None
**FEE:** None

This advanced course offers to serious students of drama a hands-on experience in bringing a play from “the page to the stage”. A significant work of dramatic literature is chosen for production each semester. This class becomes a course in collaborating and problem solving as the students assist in all aspects of the production process, from casting to design, to business considerations. Students in this class will be involved in the actual production of a play.

**Ceramics I (1)**
AR4X11S1 or AR4X11S2

**PREREQUISITE:** None
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Minimal
**FEE:** Suggested Donation

Students will spend the semester learning the basics of creating functional hand-built and wheel-thrown pottery. The students will explore a variety of decorative techniques. Students will also be introduced to sculpture.

**Ceramics II (2)**
AR4X12S1 or AR4X12S2

**PREREQUISITE:** Ceramics I *
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Minimal
**FEE:** Suggested Donation

Students will expand their skills in both hand-built and wheel-thrown pottery. The students will study both realistic and abstract sculpture.

**Ceramics III (3)**
AR4X13S1 or AR4X13S2

**PREREQUISITE:** Ceramics II *
**GRADE:** 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Minimal
**FEE:** Suggested Donation

Students will continue to build on their functional and sculptural ceramic skills. The students will begin to develop an individual style as they refine their skills.

**Ceramics IV (4)**
AR4X14S1 or AR4X14S2

**PREREQUISITE:** Ceramics III *
**GRADE:** 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Minimal
**FEE:** Suggested Donation

Students will choose an area of interest, either sculptural or functional. A portfolio will be developed in a self-directed manner. Students will also study, analyze, and reflect on the work of artists who have or are creating work of interest to them.

**Digital Photography I (1)**
AR4X31S1 or AR4X31S2

**PREREQUISITE:** None
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Fine Arts Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** Suggested Donation

Students will explore photography through the use of a digital camera and computer software. Students will learn techniques in Photoshop to edit and alter their images. Projects will be based around exploring photography as an expressive art form. An electronic portfolio of their work will be created.

*Special Education (IEP) teams may waive course pre-requisites in partnership with classroom teachers to provide appropriate access to students with disabilities*
**Digital Photography II (2)**  
AR4X32S1 or AR4X32S2  
*PREREQUISITE:* Digital Photography I *  
*GRADE:* 9, 10, 11, 12  
*LENGTH:* 1 Semester, S1 or S2  
*MEETS REQUIREMENT FOR:* Fine Arts Elective  
*OUT OF CLASS WORK:* Periodically  
*FEE:* Suggested Donation

Students will build on the knowledge of techniques and skills in digital design and technology learned in Digital Photography I. Students will explore advanced experimental editing photographic techniques in Adobe Photoshop with digital photographs. Students in this course will be expected to provide a digital camera and have a thorough understanding of basic digital photo processes.

**Digital Photography III (3)**  
AR4X34S1 and AR4X34S2  
*PREREQUISITE:* Digital Photography I, II *  
*GRADE:* 10, 11, 12  
*LENGTH:* 1 Semester, S1 or S2  
*MEETS REQUIREMENT FOR:* Fine Arts Elective  
*OUT OF CLASS WORK:* Periodically  
*FEE:* Suggested Donation

Students will build on the knowledge of skills and techniques learned in Digital Photography II to create theme-based work. Students will create digital photographs through emphasis on individual ideas, exploration, and advanced experimental editing.

**Digital Art and Design**  
AR4X33S1 or AR4X33S2  
*PREREQUISITE:* None  
*GRADE:* 9, 10, 11, 12  
*LENGTH:* 1 Semester, S1 or S2  
*MEETS REQUIREMENT FOR:* Fine Arts Elective  
*OUT OF CLASS WORK:* Minimal  
*FEE:* Suggested Donation

Students will learn the basics of digital fine art creation through collage, graphic design, animation and illustration. In addition to creating works of art using industry standard digital technology (Adobe Photoshop & Illustrator), students will also learn traditional art concepts such as composition, elements and principles of art, and critiquing.
**Drawing and Painting IV (4)**  
AR4X44S1 or AR4X44S2  

**PREREQUISITE:** Drawing and Painting III *  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** Suggested Donation

Students will use combined media to create works of art that show individual artistic style. In addition to enhancing their own styles, students will continue their study of artists throughout history.

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**Dark Room Photography I (1)**  
AR4X21S1 or AR4X21S2  

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** Suggested Donation

Students will learn all of the basics of 35mm camera operation and photo creation. They will learn to develop 35mm film prints. Emphasis will be placed on creating artistic photographs using the elements of art; value, composition, clarity, and presentation will be stressed. Registrants for this course will be expected to provide a 35mm camera with manual light and speed adjustments.

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**Dark Room Photography II (2)**  
AR4X22S1 or AR4X22S2  

**PREREQUISITE:** Photography I *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** Suggested Donation

Students will continue to expand their skills in creating black and white photographs. Emphasis will be placed on the value, clarity, composition, and presentation of each photograph. Students will create a personal theme-based portfolio, using photo-altering techniques. Registrants for this course will be expected to provide a 35mm camera with manual light and speed adjustments.

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**AP Studio Art 2D**  
AR4X81S1 and AR4X81S2  

**PREREQUISITE:** Drawing and Painting I and II *  
**GRADE:** 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Often  
**FEE:** None

AP Studio Art is centered on the completion of student portfolios rather than a comprehensive written exam. To receive college credit for the course, students will complete and submit to the College Board for review a portfolio of visual works created during the course. The portfolio will contain 3 sections required by the College Board: Quality (technical mastery and ability with materials), Breadth (demonstrating a wide range of experience), and Concentration (a series, themed/related in-depth works). Portfolios must also contain written documentation related to the student’s artistic process and purpose for each piece; all parts of the portfolio will be assessed in May. Students will have choice of materials used in the completion of their portfolios. Students should expect to spend approximately 4-5 hours per week outside of class working on their portfolios.

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*Special Education (IEP) teams may waive course pre-requisites in partnership with classroom teachers to provide appropriate access to students with disabilities*
AP Studio Art 3D
AR4X82S1 and AR4X82S2

**PREREQUISITE:** Ceramics I and II *

**GRADE:** 10, 11, 12

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Often

**FEE:** None

This rigorous year-long art course offers potential college credit and is designed for serious, motivated art students. AP Studio Art is centered on the completion of student portfolios rather than a comprehensive written exam. To receive college credit for the course, students will complete and submit to the College Board for review a portfolio of visual works created during the course. The portfolio will contain 3 sections required by the College Board: Quality (technical mastery and ability with materials), Breadth (demonstrating a wide range of experience), and Concentration (a series, themed/related in-depth works). Portfolios must also contain written documentation related to the student’s artistic process and purpose for each piece; all parts of the portfolio will be assessed in May. Students will have choice of materials used in the completion of their portfolios. Students should expect to spend approximately 4-5 hours per week outside of class working on their portfolios.

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**Video Production I (1)**
AR4X35S1 or AR4X35S2

**PREREQUISITE:** None

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** Fine Arts Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

Video Production I is an introductory course designed to provide students with an artistic and historical background of video creation. Students will learn the basics of shooting their own videos from pre-production (script writing and storyboarding) to production (video camera use, lighting, camera angles, audio) to post production (video editing). Students will work individually and collaboratively in groups to create different types of videos.
**Business Education**

**DECA I (1)**
BU4X17S1 or BU4X17S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

DECA is a co-curricular, student-centered organization specifically designed to provide opportunities that will motivate secondary students to learn marketing, management and entrepreneurial competencies. This course will prepare learners to become college and career ready. Students will have the opportunity to compete in competitive events at local, state, and national conferences.

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**DECA II (2)**
BU4X18S1 or BU4X18S2

**PREREQUISITE:** DECA I *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This class is an advanced marketing course that will be offered to students who have successfully completed DECA. Students will integrate their class experiences by analyzing and solving real-world case studies. Students will study advanced marketing topics relating to buyer behavior, products, channels of distribution, promotion, pricing, and social issues.

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**DECA III (3)**
BU4X22S1

**PREREQUISITE:** DECA II *  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 Only  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This class is an advanced marketing course that will be offered to students who have successfully completed DECA II. This course is a continuation of the advanced marketing course where students will create and present business plans and marketing plans during class for academic competitions.

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**Entertainment Sports Marketing**
BU4X29S1 or BU4X29S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This introductory leadership course provides a foundation for the preparation of an entertainment or sports business enterprise. This course would enhance the choices to students searching for business electives that are more current with the needs of the global marketplace.

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**Personal Finance**
BU4X41S1 or BU4X41S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course teaches students the components of managing their financial resources responsibly. Topics of study include: careers and interviewing, how to read a pay stub, budgeting, saving, and investing money, analyzing loans and credit, safe practices with money and security, preparing income taxes, and risk management. The class will include study of current financial topics, class discussion, group work, and guest speakers. Class projects will require students to research and compare information regarding future spending decisions such as purchasing a car and renting an apartment.

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**Global Business Studies**
BU4X23S1 or BU4X23S2

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course provides an opportunity to broaden your language background with your future career. This class will examine the international trading environment by providing theoretical and practical case studies and projects that specifically explore the following economic regions: Latin America (In-Depth), China, France, and Spain.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**Engineering & Technology**

**Intro to Engineering Design**  
TE4X65S1 and TE4X65S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course introduces students to engineering design. Students will learn about and apply the design process to solve real engineering problems. Students will learn to effectively document the solution to an engineering problem through sketching, modeling in three-dimensional CAD software, the creation of working drawings, and the use of a three-dimensional printer to create rapid prototypes. As students learn to solve engineering problems they will learn to apply many different elements of design (visual, functional and structural) to their solution, to work in teams to solve problems (including a virtual teaming activity with another school), and to analyze the effects of engineered products on society from an environmental and ethical standpoint. This course will be eligible for up to 3 college credits with successful course completion and mastery of the college credit end-of-the-year exam.

**Principles of Engineering**  
TE4X66S1 and TE4X66S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This Tier-1 foundational pre-engineering/engineering technology class introduces students to the field of engineering/engineering technology. The course allows students to explore various technology systems, engineering careers, and manufacturing processes. POE helps students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people everywhere. The course also includes an overview of social and political consequences of technological development. This course prepares students for two or four-year college studies in engineering and engineering technology by exposing them to the true scope of the field. This course will be eligible for up to 3 college credits with successful course completion and mastery of the college credit end-of-the-year exam.

**Aerospace Engineering**  
TE4X67S1 and TE4X67S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course propels students’ learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. Students also explore robot systems through projects such as remotely operated vehicles. Aerospace Engineering explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel and orbital mechanics. This course will further augment the learning from the 8th grade Flight & Space course currently offered.

**Civil Engineering Architecture**  
TE4X68S1 and TE4X68S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course introduces students to various aspects of civil engineering and architecture as they apply what they learn to the design and development of a property. The course provides freedom to the teacher and students to develop the property as a simulation, or to students to model the real-world experiences that civil engineers and architects experience when developing the property. The CEA course is intended to serve as a specialization course within the Project Lead the Way sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of both fields. Students work in teams, exploring hands-on projects and activities to learn the characteristics of civil engineering and architecture. In addition, students use Revit, which is a state-of-the-art 3-D design software package from AutoDesk, to help them design solutions to solve their major course project. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture. This course will be eligible for up to 3 college credits with successful course completion and mastery of the college credit end-of-year exam. Students completing the course will meet the arts credit requirement at EHS. Note: While not required, it is recommended that students have completed an upper level science and/or math course before taking CEA.

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Digital Electronics
TE4X69S1 and TE4X69S2

**PREREQUISITE:** Advanced Algebra *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discreet voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. This course will be eligible for up to 3 college credits with successful course completion and mastery of the college credit end-of-the-year exam.

Web Page Coding II (2)
TE4X62S1 or TE4X62S2

**PREREQUISITE:** Web Page Coding I *
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Students will further their learning of web page design by applying JavaScript to create interactive websites through a series of examples and projects. Students learn basic programming concepts along with furthering their HTML skills from Web Page Coding I. The course provides a solid foundation in computer programming in JavaScript: syntax and data structures, conditionals, objects, scope and closures, Ajax, the DOM, and event handling. Students gain an understanding of the popular libraries that power rich web applications such as jQuery, VueJS, and others.

Web Page Coding I (1)
TE4X61S1 or TE4X61S2

**PREREQUISITE:** None
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Using today's web standard for coding (HTML), students will master a variety of web design concepts to create powerful websites. Students will format websites using cascading style sheets (CSS) that are practical to the world. In addition, students will learn how to use a graphical image manipulation program to personalize their websites applying the elements and principles of design.

Engineering Design & Development Capstone
TE4X63S1 or TE4X63S2

**PREREQUISITE:** Previous HS PLTW Course *
**GRADE:** 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

The knowledge and skills students have acquired through PLTW engineering courses come together in this course. Students identify an issue and then research, presenting their solution to a panel of engineers. This course provides an opportunity for students to exercise their creativity and imagination, finding a solution to an issue using math and science through engineering. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career.
Cybersecurity
TE4X60S1 or TE4X60S2

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company’s data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today’s complex cyber world. This course will introduce students to the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy.

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**Computer Science**

**AP Computer Science Principles**
MA4X85S1 and MA4X85S2

**PREREQUISITE:** Algebra *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

AP Computer Science Principles is a computer science course designed to give students foundational computing skills and an understanding of the real-world impact of computer programming and innovations. This course is designed to be the equivalent of a first semester introductory college computing course. It uses personalized learning to reach all students, in that students are encouraged to apply creative processes when developing their thoughts and ideas and to explore questions that interest them. This course will focus on the fundamentals of computing, including problem solving, large scale data, the internet, and cybersecurity. Students will be assessed through a digital portfolio as well as through written assessments. They will also become creators of content as they design, build, and create apps for android devices using MIT’s App Inventor.

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**AP Computer Science JAVA Programming**
MA4X84S1 and MA4X84S2

**PREREQUISITE:** Functions, Statistics and Trigonometry (FST) or AP Statistics *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

The College Board’s Advanced Placement Computer Science syllabus will provide the framework for the course. Students will learn to write logically, structured computer programs based on an object oriented design. The Java programming language will be studied at a level comparable to a first-year college course. College credit may be awarded to students who complete the full year course and who successfully pass the AP exam in May. This course is intended to prepare students for taking the National Advanced Placement test in the spring.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
ENGLISH LANGUAGE ARTS (ELA)

COURSE PATHWAYS

Grade 9
- Pre-AP Language Arts 9

Grade 10
- Pre-AP Language Arts 10

Grade 11
- United States Literature & Composition
- OR
- AP United States Literature & Language

Grade 12
12A and 12B courses can be taken at any time 9-12 grade as long as pre-requisites are met.

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<td>· Literature of Theater</td>
<td>· Public Speaking (PS) I or II (PS I pre-requisite for PS II)</td>
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<td>and Composition I and II</td>
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Four full years of English are required for graduation.

Advanced Placement (AP) Information:
- AP ELA courses are open to any student and there are no prerequisites, however, they must be taken in the year shown above.
- AP ELA exams offered:
  - AP English Language and Composition (non-fiction based)
  - AP English Literature and Composition (fiction-based)
  - See course catalog for additional details.
Profile of a Successful Advanced Placement Level Student:
Students who are successful in advanced placement language arts are self-directed learners who exhibit a growth mindset, love to read and choose classics as well as contemporary texts that provide a challenge. They also enjoy writing, refining and revising their work. Students will be asked to read more frequently (including summer reading), read texts that are more complex, and analyze what they read in greater depth, complexity, and independence using tools of literary analysis. Students will write more frequently, be expected to write more skillfully, and do so with more sophistication and independence.

Advanced Placement ELA courses are open to any student and there are no prerequisites, however, courses must be taken in the corresponding school year (shown in the Course Pathways graphic). Edina ELA course titles do not directly correlate to Advanced Placement exam titles. Students who take English 9, English 10 and one or both ELA AP courses in grades 11-12 will be well prepared to take either (or both) of the ELA AP exams offered. Two AP ELA exams are offered: 1) AP English Language and Composition (non-fiction based) 2) AP English Literature and Composition (fiction-based). Students are advised to consult their English teacher(s) to determine which exam(s) to take.

Pre-AP English 9
LA4F08S1 and LA4F08S2

PREREQUISITE: None
GRADE: 9
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: English 9
OUT OF CLASS WORK: Daily
FEE: None

Through both classic and contemporary texts, Pre-AP English 9 prepares students for the writing, reading, and critical thinking required in Advanced Placement courses. The depth, rigor, and pacing are demanding in Pre-AP English 9; it is a writing-intensive course, with an emphasis on growing students’ skills in crafting strong arguments. The chosen texts reflect rich themes, varied perspectives, fiction and non-fiction, and exemplary literary craft. The literature explores the universal themes of coming of age, identity, and the hero’s journey. In examining these works, students will study the structure of the work and techniques specific to the genre, and develop close reading and literary analysis skills. The course will focus on thesis-driven writing that is well-organized, concise, and free from grammatical and mechanical errors. Students will practice revision skills to fine tune ideas and develop an engaging style. Students receive additional practice in research skills, vocabulary acquisition, and grammar and usage. Students will regularly participate in small group and whole class discussions.

US Literature and Composition
LA4J21S1 and LA4J21S2

PREREQUISITE: Pre-AP English 10 *
GRADE: 11
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: US Literature
OUT OF CLASS WORK: Daily
FEE: None

United States Literature and Composition fulfills the junior year English requirement. Students will read and analyze fiction, drama, poetry, non-fiction, and film representative of the United States. By looking at texts through the framework of The Examined Life, they will understand how to look closely at literature and what its examination reveals about the diverse values and experiences of this country.
**World Literature I (1)**
LA4R28S1

**PREREQUISITE:** Pre-AP English 10 & US Literature *
**GRADE:** 12
**LENGTH:** 1 Semester, S1 only
**MEETS REQUIREMENT FOR:** English 12 - Group A or B
**OUT OF CLASS WORK:** Minimal
**FEE:** None

Through significant, college-level reading in all genres (fiction, non-fiction, drama and poetry), multi-modal writing, class discussions, presentations/speeches, research, and the creation of their own pieces of literature, students will develop their proficiency as clear thinkers, readers, writers and speakers. Literature will be used as the means to examine historical, as well as current ideas regarding essential questions of what it means to be human and what it means to be a contributing member of the global community. Major units of study include: Introductions and creating the essential questions, critical reading, thinking and analysis, visual analysis, poetry, and Writer’s Workshop (end of each unit).

**AP World Literature & Language**
LA4R81S1 and LA4R81S2

**PREREQUISITE:** Pre-AP English 10; US Literature and Language *
**GRADE:** 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** English 12 - Group A or B
**OUT OF CLASS WORK:** Daily
**FEE:** None

“Every person who knows how to read has it in their power to magnify themselves, to multiply the ways in which they exist, to make their life full, significant and interesting.” - Aldous Huxley. This is the essence of AP World Literature and Language, a full-year course for seniors reading, writing and thinking at the college (Advanced Placement) level. Through significant, college-level reading in all genre (fiction, non-fiction, drama and poetry), multi-modal writing, class discussions, presentations/speeches, research, and the creation of their own pieces of literature, students will develop their proficiency as clear thinkers, readers, writers and speakers. Literature will be used as the means to examine historical, as well as current ideas regarding essential questions of what it means to be human and what it means to be a contributing member of the global community. In addition to their focus in these areas, students will rehearse for the AP test(s) in English. This course is intended to prepare students for taking the National Advanced Placement test in the spring.
Public Speaking I (1)
LA4X42S1 or LA4X42S2

**PREREQUISITE:** None

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** English 12 - Group B

**OUT OF CLASS WORK:** Periodically

**FEE:** None

In this course students will study, practice, and apply the theory and techniques of formal public speaking. Informative, persuasive, and special occasion speeches are included. Students will employ research, organization, reasoning and delivery skills in a variety of speaking situations. Students will learn techniques to increase confidence, methods of adapting to a variety of audiences, and ways to support ideas with sound evidence and logic.

Public Speaking II (2)
LA4X43S1 or LA4X43S2

**PREREQUISITE:** Public Speaking I *

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** English 12 - Group B

**OUT OF CLASS WORK:** Periodically

**FEE:** None

In this course students will build on their knowledge and experience of effective formal public speaking in a multitude of situations using multiple delivery methods. Students will utilize in-depth research skills, effective organization and writing strategies, and refine established mechanics of speech delivery throughout the course. Presentation include impromptu speaking, informative speaking, special occasion speaking, persuasive speaking, and group presentations.

Film and Literature I (1)
LA4X51S1 or LA4X51S2

**PREREQUISITE:** None

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** English 12 - Group A

**OUT OF CLASS WORK:** Regularly

**FEE:** None

This course is an opportunity for students to learn how to become active participants in the viewing of film, rather than passive observers – critical thinking is a must. Students will learn the specialized language of cinema and apply it to the films they watch in class. In addition to the films themselves, students will be expected to read complex fictional texts, making meaningful connections between them and the films. Students are also expected to write both analytical and creative essays, and create their own media content to show their understanding of cinematic concepts. In this semester, units are organized around either genre or thematic content. Genres studied have included the western and film noir.

Film and Literature II (2)
LA4X54S2

**PREREQUISITE:** Film and Literature I *

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S2 only

**MEETS REQUIREMENT FOR:** English 12 - Group B

**OUT OF CLASS WORK:** Regularly

**FEE:** None

Students will build on their knowledge of film technique and sharpen their critical viewing skills developed in Film & Literature 1 by studying in-depth the films of several important directors past and present, American and international. Students will analyze multiple works from each director, identifying and interpreting common styles and themes throughout the director’s work, while learning about the film’s cinematic and cultural significance. In addition to the films themselves, students will be expected to read complex non-fiction texts, including literary non-fiction, making meaningful connections between them and the films. Students are also expected to write both analytical and informative/explanatory essays, and create their own media content to show their understanding of cinematic concepts. Possible directors to be studied in class include Alfred Hitchcock, Akira Kurosawa, Kathryn Bigelow, the Coen Brothers, and Spike Lee.

Literature of Theater
PA4X43S1 or PA4X43S2

**PREREQUISITE:** None

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** English 12 - Group A

**OUT OF CLASS WORK:** Minimal

**FEE:** None

This course is designed to introduce students to the many aspects of the art of theatre through the exploration and analysis of dramatic literature. The history and evolution of dramatic literature from Greek origins through present day are examined through the study of major writing movements such as Existentialism and Absurdism. Students will read, watch, analyze, and write about dramatic literature paying particular attention to how the text informs the choices made in the performance of a play. Each unit will culminate in a production project where students show their understanding of the text by making performance and production choices that enhance and support the meaning of the play. Projects will use techniques taught in class on acting, directing, and design (including lights, costumes, sound and set).
**Mass Media**
LA4X52S1 or LA4X52S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** English 12 - Group B  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course introduces students to the various forms of mass media and their effects on modern life. Students will build writing and research skills as they produce media projects using various web tools. Topics include Media Consumption, Internet and Social Media, Television, Advertising, and 21st Century Global Citizenship.

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**Creative Writing**
LA4X15S1 or LA4X15S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** English 12 - Group A  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This semester-long workshop helps students refine creative writing skills and processes. The workshop structure allows students substantial independent writing time that is guided through mini-lessons and individual conferences with small groups and the teacher. The class focuses on exercises that lead students to complete a collection of nonfiction, fiction and poetry writing. Their own pieces will demonstrate their knowledge of the writing process and overall individual growth. Students will maintain a writing journal and read literature that will model various techniques and help them expand their imaginative repertoire. At the end of the semester, students will have an extensive writing portfolio.

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**International Foods**
FC4X32S1 or FC4X32S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course is designed to introduce students to international cuisine, trying new flavors and dishes. We will focus on a different country every one-two weeks, learning about that country and cooking food from the area. An emphasis of this course is global awareness and foods in other cultures.

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**Advanced Foods**
FC4X33S2

**PREREQUISITE:** Grade 12 or taken any other foods class *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S2 only  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This foods course will challenge students with more advanced recipes. Topics include food science, advanced cooking terms, taste testing, cake decorating, plating and presentation, organic vs. conventional eating, learning about GMOs, as well as a Cupcake Wars, an Iron Chef Competition, and a Chili Cook-off. Prerequisite: Open to seniors or any student that has already taken Creative Foods or International Foods.

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**Fashion Design**
FC4X11S1 or FC4X11S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course is designed to introduce students to fashion design. Topics include the history of fashion, clothing influences, the elements and principles of design, fashion designers, wardrobe planning, fashion sketchin and careers in fashion. Students will be able to apply these concepts with projects specific to each unit. Students will also explore introductory clothing construction skills, including fabric identification, fabric and pattern layout, basic sewing machine skills and hand stitching.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**Interior Design**

*FC4X40S1*

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 only  
**MEETS REQUIREMENT FOR:** Fine Arts Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course is designed to introduce students to interior design. Topics studied include room and home design, reading and drawing floor plans, application of color and design principles, room and furniture arrangement, and careers in the field of interior design. A major project is designing a house and furnishing this house within a specific budget.

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**Child Psychology I (1)**

*FC4X21S1 or FC4X21S2*

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course is designed to help students recognize and understand the development of young children. Areas studied include: the physical, intellectual, social and emotional development of children from birth to age 6, pregnancy and childbirth, parenting and families, child development theories, and early childhood education. Students will run a five week preschool at the end of the semester.

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**Child Psychology II (2)**

*FC4X24S1 or FC4X24S2*

**PREREQUISITE:** Child Psychology I and independent transportation to/from service learning *  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** None  
**OUT OF CLASS WORK:** Minimal  
**FEE:** No

This course is for students who have already taken Child Psychology and want to delve deeper into its content. We will focus on early childhood education and related careers that involve working with children from birth to age 5. Course topics include: career paths in early childhood education; the history, theory, and foundations of early childhood education; principles of child development and developmental theories; developmentally appropriate activities for young children; developmentally appropriate practices of guidance and discipline. Students will help lead the preschool lab and will also participate in a service learning experience at Edina’s Early Learning Center (students will help in one of the classrooms at the ELC once per week throughout the semester during our block period).

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**Intro to Education**

*FC4X22S1 or FC4X22S2*

**PREREQUISITE:** None  
**GRADE:** 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course is designed for students to explore what being an elementary school teacher would be like. The areas of study will include social, emotional, physical, and intellectual development of school-age children, developmental theories, guidance and classroom management, family and life challenges that impact learning, and special services available for students. This course provides a hands-on learning experience at an elementary school once per week on the block day, throughout the semester. Students must provide own transportation. College credit available through Normandale Community College.

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**Personal Finance**

*BU4X41S1 or BU4X41S2*

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course teaches students the components of managing their financial resources responsibly. Topics of study include careers and interviewing, how to read a pay stub, budgeting, saving, and investing money, analyzing loans and credit, safe practices with money and security, preparing income taxes, and risk management. The class will include study of current financial topics, class discussion, group work, and guest speakers. Class projects will require students to research and compare information regarding future spending decisions, such as purchasing a car and renting an apartment.
2020-21 Math Pathways

**Current Course:**
Advanced Algebra, FST or AP Statistics

```
Advanced Algebra -> Functions Statistics and Trigonometry* -> Elective
                      |                        |                        |
                      |                        |                        |
                      |                        |                        |
Advanced Algebra -> AP Statistics and Trigonometry* -> Pre-Calculus
                      |                        |                        |
                      |                        |                        |
                      |                        |                        |
```

Typical Pathway

* Indicates course where student will complete MN State Standards

**Electives**
- After AP Stats or FST
  - Pre-Calculus
  - College Algebra Prep
  - College Algebra
  - Intro to Math Sciences
  - Discrete Math Concepts
  - Discrete Math Applications

- After Pre-Calculus
  - Calculus AB
  - Calculus BC

- After Calculus BC
  - Multivariable Calculus

**Electives: Do not meet math requirements**
- Algebra I
- Intermediate Algebra Bridge (With Intermediate Algebra)

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**Current Course:**
Algebra 1, Compacted Algebra, Intermediate Algebra or Geometry

```
Algebra 1 -> Intermediate Algebra -> Geometry -> Algebra 2* -> Elective(s)
                      |                        |                        |                        |
                      |                        |                        |                        |
                      |                        |                        |                        |
Compacted Algebra
```

Typical Pathway

```
Algebra 1 -> Intermediate Algebra -> Geometry -> Algebra 2* -> Pre-Calculus
                      |                        |                        |                        |
                      |                        |                        |                        |
                      |                        |                        |                        |
Compacted Algebra
```

* Indicates course where student will complete MN State Standards
Mathematics

Students must complete six Mathematics credits in grades 9-12 (three full years). As part of the six credits, students must complete one of two course sequences:

1. Geometry, Advanced Algebra, and Statistics and Probability (students can satisfy the statistics and probability requirement by completing one of the following: Functions, Statistics and Trigonometry; or AP Statistics and Trigonometry).

2. Intermediate Algebra, Geometry, Algebra II. The state requirement for statistics and probability is embedded within these three courses.

We strongly encourage students to have four years of math in grades 9-12 due to many post-secondary institutions requiring four years of mathematics in high school. Students interested in pursuing Course Credit for Learning in Mathematics should contact their school counselor for further information.

Algebra I (1)
MA4X30S1 and MA4X30S2

PREREQUISITE: None
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: Daily
FEE: None

This class includes significant work in statistics, probability and geometry, and work with calculators and computers. Applications, statistics and geometry are used to develop and exemplify the algebra of linear equations and inequalities. Graphing of lines, probability concepts and functions are studies and used in contemporary applications. Systems, polynomials, and square roots are linked to the study of geometric applications.

Intermediate Algebra
MA4X36S1 and MA4X36S2

PREREQUISITE: None
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: Daily
FEE: None

This course extends and builds on the concepts from Algebra I. Topics introduced and extended include: linear and absolute value functions, systems of linear equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions, solving quadratic functions, manipulating functions and statistics.

Geometry
MA4X11S1 and MA4X11S2

PREREQUISITE: Algebra *
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Geometry
OUT OF CLASS WORK: Daily
FEE: None

The principal emphasis of this course is the study of geometric concepts and applications. Coordinates, measurement ideas (including area and volume), congruence and similarity are studied. Geometric constructions are described as algorithms. Prior study of algebra, through the linear systems and the quadratic formula, is required. Students in this course will be assessed on the high school standard for math applications on the concepts of shape, space and measurement.

Intermediate Algebra Bridge
Referral Process

PREREQUISITE: None
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: Daily
FEE: None

This course is for students who struggled in Algebra last year (received a grade of C- to D-). This class will reteach and review the standards from Algebra 1 while also supporting students in their current Intermediate Algebra class. This is for students who have a strong desire to build their math foundation and want to work hard to fill gaps they have in their learning. The course can be taken as a 7th class in place of a student prep, or it can be taken as a 6th class in their schedule.

Algebra II (2)
MA4X38S1 and MA4X38S2

PREREQUISITE: Algebra 1 and Intermediate Algebra OR Compacted Algebra *
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Algebra 2
OUT OF CLASS WORK: Daily
FEE: None

This course will continue the study of functions started in previous Algebra course(s). Through the study of specific functions: notably linear, exponential, and polynomial functions, students will begin to see the structure of functions, and will work with various types of numbers, from rational and irrational to complex. Students will apply properties of numbers and properties of equality to carry out operations with different functions, with the goal of seeing the applicability to a wide range of phenomena that are natural or of human origin. The focus of transforming functions will help students build connections between the algebraic and graphical representation of functions.

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities
Functions, Statistics, & Trigonometry (FST)
MA4X42S1 and MA4X42S2

PREREQUISITE: Advanced Algebra *
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Statistics & Probability
OUT OF CLASS WORK: Daily
FEE: None

The course enables the students to display, describe, transform, and interpret numerical information represented as data, graphs, or equations. Using a graphing calculator, the students visualize functions, explore relations between equations and their graphs, simulate experiments, generate and analyze data, and develop limit concepts.

Discrete Math Concepts
MA4X20S2

PREREQUISITE: Advanced Algebra *
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S2 only
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: Daily
FEE: None

This course is intended for students who have mastered the state standards and completed the coursework required for graduation but who would like to continue their study of mathematics. Discrete Math Concepts is a one semester course whose content contains Fractal Geometry, Fibonacci Numbers, Population and money growth, Modular Arithmetic, Induction and select topics in probability and statistics. It will provide an opportunity for students to experience Discrete Mathematics, a branch of Mathematics outside of the traditional analysis taught in high schools.

AP Stats and Trigonometry
MA4X86S1 and MA4X86S2

PREREQUISITE: Geometry and Advanced Algebra *
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Statistics & Probability
OUT OF CLASS WORK: Daily
FEE: None

This course is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance phenomena. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a graphing calculator, Fathom and Minitab statistical software, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data. Trigonometry concepts will also be addressed at the end of this course to additionally prepare students for PreCalculus. AP Statistics is a college level class for students who have been highly successful in Advanced Algebra. This course is intended to prepare students for taking the National Advanced Placement test in the spring.

Discrete Math Applications
MA4X21S1

PREREQUISITE: Advanced Algebra, FST or AP Statistics *
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S1 only
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: Daily
FEE: None

This course is intended for students who have mastered the state standards and completed the coursework required for graduation but who would like to continue their study of mathematics. Discrete Applications is a one semester course whose content contains The Mathematics of Elections, Weighted Voting Systems, Fair Division and Apportionment, and Graph Theory. It will provide an opportunity for students to experience Discrete Mathematics, a branch of Mathematics outside of the traditional analysis taught in high schools.

College Algebra Prep
MA4R61S1 and MA4R61S2

PREREQUISITE: Advanced Algebra and Statistics and Trigonometry (FST) or Algebra 2; Students who have taken College Algebra or Precalculus are not eligible for this class. *
GRADE: 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: Daily
FEE: None

This course is designed for students who have completed the coursework required for graduation, but who would benefit from additional coursework in algebra, geometry and statistic mathematic topics. Additional work in these topics helps prepare students for a first year college math, class commonly called College Algebra. The algebra, geometry, trigonometry, and statistics topics will be chosen from the grades 9th-11th MN Mathematics Standards based on the needs of the students.

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities
Intro to Mathematical Sciences
MA4R52S1

PREREQUISITE: Math ACT Score of 20 or higher for Bemidji State credit *
GRADE: 11, 12
LENGTH: 1 Semester, S1 only
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: None
FEE: None

IMS was designed by the math department at Bemidji State University to enrich students understanding of algebra and statistics through the use of spreadsheet software and problem based learning. Topics include functions, graphical and tabular analysis, rate of change, syntax and semantics, the process of computing, data manipulation, sampling, statistical measures, basic probability, correlation. Examples are drawn from a wide range of disciplines and content will be taught within the framework of discipline-specific examples. The sessions will be a mix of lecture, individual work, and group work. Student participation and activity learning will be stressed. In order to receive college credit for this course, students must enroll having an ACT score of 20 or higher in math and/or have an Accuplacer score of 70 or higher on EA. Students who have not received these scores are still eligible to receive high school credit.

College Algebra
MA4R53S2

PREREQUISITE: Introduction to Mathematical Sciences or Math ACT score of 22 or higher for Bemidji State credit *
GRADE: 11, 12
LENGTH: 1 Semester, S2 only
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: None
FEE: None

College Algebra is a typical college algebra course that is usually required for first-year college students. It covers linear, quadratic, rational and absolute value equations and inequalities; functions and their graphs; inverse functions; mathematical modeling; imaginary numbers; polynomial functions; exponential and logarithmic functions; and systems of equations and inequalities.

Precalculus
MA4X51S1 and MA4X51S2

PREREQUISITE: FST or AP Stats & Trig and a grade of C or higher in Advanced Algebra or teacher referral *
GRADE: 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: None
FEE: None

Precalculus topics include the properties and graphs of the following functions: polynomial, rational, power, exponential, logistic, logarithmic, and trigonometric. Additional topics include complex numbers, polar coordinates and graphs, sequences, series and an introduction to limits and derivatives. Applications are included throughout. This class prepares students for AP Calculus AB or BC as well as a first-year college calculus course.

AP Calculus AB
MA4X82S1 and MA4X82S2

PREREQUISITE: Precalculus *
GRADE: 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: None
FEE: None

This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, trigonometry, analytic geometry and an in-depth understanding of elementary functions. Topics studied will include limits, continuity, the derivative and applications of the derivative, the definite integral and applications of the definite integral and the Fundamental Theorem of Calculus. This course will cover approximately 60% of the content of the AP Calculus (BC) course. It is recommended that students who take this course will take the AP Calculus exam (Form AB) and seek college credit or placement on the basis of that exam.

AP Calculus BC
MA4X81S1 and MA4X81S2

PREREQUISITE: Precalculus *
GRADE: 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Mathematics
OUT OF CLASS WORK: None
FEE: None

This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, trigonometry, analytic geometry and an in-depth understanding of elementary functions. It is expected that students have good retention in these areas, as the syllabus leaves no room for extensive review of previous course work. AP Calculus (BC) is considerably more extensive than AP Calculus (AB). All of the calculus topics in AP Calculus (AB) are included, plus advanced integration techniques, extensive work with infinite series and tests for convergence and calculus applications to parametric and vector defined functions. It is recommended that students who take this course will take the AP Calculus exam (Form BC) and seek college credit or placement on the basis of that exam. Most colleges/universities will grant credit and placement one semester beyond that granted for AP Calculus (AB).
Multi Variable Calculus
MA4X53S1 and MA4X53S2

**PREREQUISITE:** AP Calculus BC *
**GRADE:** 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Mathematics  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

Multivariable Calculus extends the single variable concepts from the AP Calculus BC course to three dimensions. Topics include vectors, partial derivatives, and multiple integrals. Multivariable Calculus is often the final course of a three-course calculus sequence offered in universities for students majoring in mathematics, engineering, physics, or chemistry. The level of rigor and homework expectations will be similar to AP Calculus BC; however, there is no Advanced Placement exam offered by the College Board for this course.

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**Computer Science**

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**AP Computer Science Principles**
MA4X85S1 and MA4X85S2

**PREREQUISITE:** Algebra *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

AP Computer Science Principles is a computer science course designed to give students foundational computing skills and an understanding of the real-world impact of computer programming and innovations. This course is designed to be the equivalent of a first semester introductory college computing course. It uses personalized learning to reach all students, in that students are encouraged to apply creative processes when developing their thoughts and ideas and to explore questions that interest them. This course will focus on the fundamentals of computing, including problem solving, large scale data, the internet, and cybersecurity. Students will be assessed through a digital portfolio as well as through written assessments. They will also become creators of content as they design, build, and create apps for android devices using MIT’s App Inventor.

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**AP Computer Science JAVA Programming**
MA4X84S1 and MA4X84S2

**PREREQUISITE:** Functions, Statistics and Trigonometry (FST) or AP Statistics *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

The College Board’s Advanced Placement Computer Science syllabus will provide the framework for the course. Students will learn to write logically, structured computer programs based on an object oriented design. The Java programming language will be studied at a level comparable to a first-year college course. College credit may be awarded to students who complete the full year course and who successfully pass the AP exam in May. This course is intended to prepare students for taking the National Advanced Placement test in the spring.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Personal Wellness & Fitness

COURSE PATHWAYS

Personal Wellness (Traditional) OR Blended Personal Wellness OR Summer Blended Personal Wellness

AND

Health (Traditional) OR Blended Health OR Summer Blended Health

AND ONE ELECTIVE:

Blended Guided Wellness
Lifetime Wellness
Wellness through Sport
Strength Training

Girls-Only PE
Unified PE
Soccer Theory
Basketball Theory
Wellness & Fitness

Students are required to complete two semesters of wellness in grades 9-12. The Personal Wellness course is a prerequisite to all other wellness courses. Students are required to complete one semester of health during high school.

Health

HE4X00S1 or HE4X00S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Health  
**OUT OF CLASS WORK:** None  
**FEE:** None

This course is designed for students to gain knowledge and develop attitudes to make responsible decisions that enhance individual, family, and community health. Students will evaluate selected areas of contemporary health issues. Community speakers, projects, simulations, and small group work will be used to augment the oral and written work.

Blended Health

HE4X02S1 or HE4X02S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Health  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course is designed for students to gain knowledge and develop attitudes to make informed decisions that enhance individual, family, and community health. This course is designed to meet the needs of students who are self-motivated in the health curriculum by offering a blended (both online and traditional classroom) curriculum. Learners are required to meet daily at the beginning of the semester. As the semester progresses, we scale back to blending 1-2 hour class periods a week.

Summer Blended Health

HE4X03S1

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Summer School Session  
**MEETS REQUIREMENT FOR:** Health  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

Summer Health is designed for self motivated students from June 2nd-August 9th. Students must attend the eight face-to-face sessions on June 2, 3, 4, 9, 10, 11, 16, 17 from 9:00-11:00am, and then continue with the online curriculum through August 9th. Students will submit weekly assignments and therefore must have internet access. This course is open to 9-12th grade EHS students who are enrolled in less than 14 academic credits for the 2020-21 school year. This class cannot be a 15th credit (student preps do not count as a credit). Students registering for this course must also select a Student Prep for Semester 1.

Personal Wellness & Fitness

Summer Health is designed for self motivated students from June 2nd-August 9th. Students must attend the eight face-to-face sessions on June 2, 3, 4, 9, 10, 11, 16, 17 from 9:00-11:00am, and then continue with the online curriculum through August 9th. Students will submit weekly assignments and therefore must have internet access. This course is open to 9-12th grade EHS students who are enrolled in less than 14 academic credits for the 2020-21 school year. This class cannot be a 15th credit (student preps do not count as a credit). Students registering for this course must also select a Student Prep for Semester 1.

Health

HE4X00S1 or HE4X00S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Health  
**OUT OF CLASS WORK:** None  
**FEE:** None

This course is designed for students to gain knowledge and develop attitudes to make informed decisions that enhance individual, family, and community health. This course is designed to meet the needs of students who are self-motivated in the health curriculum by offering an online class tracking personal fitness workouts, and participating in an online wellness curriculum. Learners are required to meet daily at the beginning of the semester. As the semester progresses, we scale back to blending 1-2 hour class periods a week, allowing students the opportunity to self-design their own fitness program with the guidance of their teacher.

Wellness

PE4X04S1 or PE4X04S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Physical Education  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

Personal Wellness is a combination of physical activity and classroom instruction. Students will explore how physical activity improves overall health through sport activities, group fitness classes, and traditional games. Students will participate in activity through various forms of group fitness including dance and yoga, team sports, and conditioning exercises; walking, running, and strength training. Classroom instruction incorporates life-long skills in the areas of nutrition, sleep habits, mental health, mindfulness, and stress management. Personal Wellness focuses on students making connections between the decisions they make and the long/short term consequences.

Blended Personal Wellness

PE4X14S1 or PE4X14S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Physical Education  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course is designed to meet the needs of students who are self-motivated in their wellness endeavors by offering an online class tracking personal fitness workouts, and participating in an online wellness curriculum. Learners are required to meet daily at the beginning of the semester. As the semester progresses, we scale back to blending 1-2 hour class periods a week, allowing students the opportunity to self-design their own fitness program with the guidance of their teacher.
Summer Blended Personal Wellness
PE4X03S1

PREREQUISITE: None
GRADE: 9, 10, 11, 12
LENGTH: Summer School Session
MEETS REQUIREMENT FOR: Physical Education
OUT OF CLASS WORK: Daily
FEE: None

Summer Personal Wellness is designed for self motivated physically active students from June 2nd-August 9th. Students must attend the eight face-to-face sessions on June 2, 3, 4, 9, 10, 11, 16, 17 from 9:00-11:00am and then continue with the online curriculum. There will be a final the week of August 3rd. Students will submit weekly workout logs and assignments and therefore must have internet access. This course is open to 9-12th grade EHS students who are enrolled in less than 14 academic credits for the 2020-21 school year. This class cannot be a 15th credit (student preps do not count as a credit). Students registering for this course must also select a Student Prep for Semester 1.

Wellness Lifetime Activities
PE4X11S1 or PE4X11S2

PREREQUISITE: Personal Wellness *
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Physical Education
OUT OF CLASS WORK: Minimal
FEE: None

Students will engage in lifetime physical activities that will enhance their overall well-being. Throughout the course learning will encompass activities that include, but are not limited to; ultimate, soccer, flag football, running, circuit training, basketball, floor hockey, golf, bowling, badminton, volleyball, tennis, group fitness, and weight training. Additionally, learners will capture the mind body connection by studying our bodies through physical fitness, nutrition, sleep hygiene, and stress management. Students may wear heart rate monitors to assess their cardiovascular levels.

Wellness and Sports
PE4X12S1 or PE4X12S2

PREREQUISITE: Personal Wellness *
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Physical Education
OUT OF CLASS WORK: Minimal
FEE: None

This course is developed for the student with a competitive edge. Students will participate in physical activity through team sports such as basketball, flag football, ultimate, floor hockey, soccer and volleyball through tournament play. Students will also participate in a wellness program which includes strength training, nutrition, stress management, sleep habits, and injury prevention. Students may wear heart rate monitors to assess their cardiovascular levels.

Blended Guided Wellness
PE4X06S1 or PE4X06S2

PREREQUISITE: Personal Wellness *
GRADE: 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Physical Education
OUT OF CLASS WORK: Daily
FEE: None

Students learn to capture the essence of living a healthy life throughout the semester in the Blended Guided Wellness program. Learners are required to meet at the beginning of the semester. As the semester progresses we scale back to blending 1-2 hour class periods a week, allowing students the opportunity to self-design their own fitness program with the guidance of their teacher. Furthermore, to fulfill the requirements of this course, individuals must participate in a minimum of five separate forty-five minute workouts per week, verified by a personal trainer, coach, teacher, or adult supervising the program. Additionally, students will enhance their mind-body connection through online resources covering topics such as nutrition, sleep habits, mental health, mindfulness, and stress management. This course is designed for self-motivated students.

Wellness Girls Only Phy Ed
PE4X10S1 or PE4X10S2

PREREQUISITE: Personal Wellness *
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Physical Education
OUT OF CLASS WORK: Minimal
FEE: None

This course is designed to empower girls through activity and promote healthy, positive behaviors. Through this course girls will not only participate in a fitness program which can include activities such as yoga, Pilates, team sports, tennis, badminton, and rugby but will also address wellness issues such as nutrition, sleep habits, and stress management. Students may wear heart rate monitors to assess their cardiovascular levels.

Basketball Theory
PE4X21S1 or PE4X21S2

PREREQUISITE: Personal Wellness *
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Physical Education
OUT OF CLASS WORK: Minimal
FEE: None

This course provides advanced-level instruction and training in basketball skills, techniques, strategies, and leadership. Students apply basketball rules to game situations and integrate strategies into competition and team play. Students will learn how to officiate basketball games at various levels. Students will spend time in the classroom learning the history, rules, and coaching aspects of the game, as well as hone their fitness and basketball skills through repetition and team play.

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities
**Soccer Theory**
PE4X20S1 or PE4X20S2

**PREREQUISITE:** Personal Wellness *
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Physical Education
**OUT OF CLASS WORK:** Minimal
**FEE:** None

This course will enhance technical and tactical game knowledge, as well as playing ability through a challenging and competitive high school level soccer curriculum. Students will engage in a variety of soccer training methods that are aimed to improve all five areas of soccer development: fundamental/technical skills; tactical knowledge and playing ability, athleticism (strength, endurance, balance, coordination, speed); game psychology, and nutrition. Mastering these five areas of soccer development will increase the student’s playing ability. Students may spend time in the classroom learning the history and rules/fundamentals of soccer. Completion of this course will prepare students for certification to referee soccer games.

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**Strength and Conditioning**
PE4X15S1 or PE4X15S2

**PREREQUISITE:** Personal Wellness *
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Physical Education
**OUT OF CLASS WORK:** Minimal
**FEE:** None

This is a course designed for students who have a sincere desire to improve their physical fitness through strength training and cardiovascular conditioning. This will be accomplished primarily through weight training and cardiovascular conditioning. An individual program will be developed for each student.

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**Unified PE and Wellness**
PE4X08S1 or PE4X08S2

**PREREQUISITE:** Personal Wellness or recommendation by Special Ed teacher *
**GRADE:** 9, 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Physical Education
**OUT OF CLASS WORK:** Minimal
**FEE:** None

This course combines people with and without disabilities together as teammates. Training, playing and competing together leads to understanding, acceptance and friendship in and outside of class. Students will not only strengthen their fitness, improve their sports skills and develop social skills, but will also challenge existing stereotypes about people with disabilities. Unified PE will provide a welcoming environment for all students to help empower them to reach their full potential.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
SCIENCE COURSE PATHWAYS

Grade 9
General Physics OR Enriched Physics

Grade 10
General Chemistry OR Enriched Chemistry

Grade 11
General Biology OR Enriched Biology or AP Biology

- AP - Chemistry, Biology, Physics, Environmental Science
- Electives - Human Anatomy, Comparative Anatomy, Forensics, Environmental Studies, Organic Chemistry, Physical Universe

AP Chemistry
AP Physics
Forensics
Physical Universe
Organic Chemistry

Three full years of science are required for graduation, including 1 year of Biology and 1 year of either Chemistry or Physics. AP Physics or AP Chemistry are second year courses to be completed after the year-long high school course.
The Edina High School science program follows a sequence commonly referred to as “Physics First.” In the physics first sequence, students will begin their high school science with Physics in grade 9, Chemistry in grade 10, and Biology in grade 11. In grade 12, students will be able to take advanced elective courses in science. Students are required to obtain a minimum of 6 credits in science, including one year of Biology and one year of either Chemistry or Physics. For most students these six credits are obtained through the “core” courses. The “Physics First” sequence is diagrammed below, along with the course titles for the core courses.

Why Physics First?
The traditional science sequence – Biology, Chemistry, Physics – was developed a century ago when Biology consisted mostly of memorization and physics was always treated with extensive mathematics. The sequence was perceived as building in difficulty, and student participation in science typically decreased at higher levels. The “Physics First” sequence, on the other hand, recognizes that today’s biology consists of extensive chemistry – from the Kreb’s Cycle to DNA and genetic engineering – and that all students deserve a good foundation in the basic laws of science encountered in physics and chemistry.

Students begin the “Physics First” sequence studying the fundamental physical principles guiding our universe. The movement of physics to grade 9 dictates that the course becomes less mathematical and more conceptual, thus making the material accessible to all students. Students who want a highly mathematical treatment of physics will still have that option available as a senior elective.

As sophomores, students will see how the fundamental laws of physics govern chemical processes. Finally, as juniors they will apply their chemistry to sophisticated biological processes. In short, the courses build on each other as part of a logical progression.

How do we choose which Physics course to take?
The majority of students (about 80%) should be registering for Physics. Students who are highly motivated, have a strong interest in science, are concurrently enrolled in Advanced Algebra, and wish to challenge themselves with an enriched science course in their sophomore year should register for Enriched Chemistry. We strongly recommend you ask your current grade 8 teacher for his/her opinion as to whether enriched is an appropriate placement.

We are new to Edina Public Schools. How do we jump into the Physics First sequence?
Although each student’s situation is unique, most students will probably schedule chemistry and biology in grades 10 and 11. If you have already taken one of these courses, you should consider registering for the other, regardless of whether you have had physics. If you have taken both biology and chemistry, you can consider AP Physics or any other science electives. For students who have not had physics, but do not feel ready for the rigor of AP Physics, we would recommend the course entitled “The Physical Universe.” This course is designed to introduce students to the most fundamental principles of physics in the context of the solar system, galaxy and universe as a whole.

How rigid is the sequence outlined above?
The vast majority of students will follow the sequence outlined above. Occasionally, students may make specific changes in the sequence. For example, some highly motivated students might want to take AP Biology in their grade 11 year, thus skipping over our first-year biology course. This may be permitted but will require some independent study over the summer. Students interested in making this jump should speak with the current AP Biology teacher about the requirements. We have also had students double-up in science classes, thus allowing them to take elective courses earlier than grade 12.

Physics
SC4X04S1 and SC4X04S2

PREREQUISITE: None
GRADE: 9
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Physics
OUT OF CLASS WORK: Often
FEE: None

This year-long course emphasizes a conceptual understanding of the fundamental principles governing the universe. This solid foundation in Physics will prepare students for success in all other areas of science. This course will cover motion, forces, waves, sound and light, electricity, magnetism and nuclear physics. Problem solving and laboratory skills will also be emphasized. Credit achieved for this course meets state graduation requirements.
### Enriched Physics
SC4X75S1 and SC4X75S2

**PREREQUISITE:** Concurrent enrollment or completion of Intermediate Algebra *

**GRADE:** 9

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Physics

**OUT OF CLASS WORK:** Often

**FEE:** None

This year-long course is designed for students who are interested in doing in-depth, advanced work in science, have the ability and willingness to express organized ideas, thoughts and concepts orally and in writing, are responsible and have highly-developed study skills. Teacher recommendations and standardized test scores will also be taken into consideration. Credit achieved for this course meets state graduation requirements.

**Continued**

### Biology
SC4X11S1 and SC4X11S2

**PREREQUISITE:** Physics or Chemistry *

**GRADE:** 10, 11

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Biology

**OUT OF CLASS WORK:** Periodically

**FEE:** None

This year-long course focuses on biological concepts, theories, and principles through investigation and analysis of cells, organisms and ecosystems. Course topics will include information about biodiversity, biological evolution, cells, ecology, genetics and living systems. Students will conduct experiments and investigations that may be instructor-designed or independently created by the students. Credit achieved for this course meets state Biology graduation requirements.

### Enriched Biology
SC4X76S1 and SC4X76S2

**PREREQUISITE:** Chemistry *

**GRADE:** 11

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Biology

**OUT OF CLASS WORK:** Periodically

**FEE:** None

This year-long course is an accelerated biology course, which focuses on cellular biology, genetics, biological evolution, biodiversity, living systems and ecology. Laboratory investigation and written exercises will enhance students understanding of the subject matter. Both traditional and contemporary techniques in science will provide a strong foundation for students interested in further study of the life sciences. Credit achieved for this course meets state Biology graduation requirements.

### Comparative Anatomy
SC4X24S1 or SC4X24S2

**PREREQUISITE:** Biology, Enriched Biology or AP Biology *

**GRADE:** 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** Science Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

This semester long elective course will focus on the evolution of the animal kingdom. We will begin our studies with Invertebrates, such as, Mollusks and finish the semester with Vertebrates. Dissections include Earthworms, Sharks, Frogs, Turtles and Owl Pellets.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Environmental Studies
SC4X22S1 or SC4X22S2

**PREREQUISITE:** Biology or Enriched Biology *
**GRADE:** 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Science Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This semester-long elective course is designed to engage students, and increase awareness of critical issues facing the environment. Students will participate in several outdoor lessons involving water quality testing of Nine-Mile Creek, litter clean-up, and tree identification. The units of study include Water Quality and Issues, Forest Ecology, Fire Ecology, Biodiversity, Sources of Energy, and Dynamics of the Human Population. Students will be encouraged to take action on at least one issue facing our planet today.

Forensics
SC4X27S1 or SC4X27S2

**PREREQUISITE:** Chemistry or Enriched Chemistry *
**GRADE:** 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Science Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This semester-long elective course is designed to educate students about Forensic Science and its applications to real crime. Students will participate in several units of study, such as Crime Scene Processing, Code Breaking, Handwriting Analysis, Psychological Profiling, Fingerprints, DNA, Shoe Prints, Ballistics, Death, Anthropology, Toxicology, Terrorism, Arson, Hair, Fiber, and Accident Investigation. The semester will conclude with a lab-based final that utilizes many of the topics covered during the semester.

Human Anatomy
SC4X23S1 or SC4X23S2

**PREREQUISITE:** Biology or Enriched Biology *
**GRADE:** 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Science Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This semester-long elective science course is designed to provide a strong foundation for students interested in pursuing college majors in health, life sciences, and physical education. Through in-depth study of the anatomy and physiology of human organ systems, students will gain an understanding of the human body and how each system is integrated with the overall functioning of the body. Units will include nervous, sensory, skeletal, muscular, cardiovascular, digestive, urinary and reproductive systems. Heavy emphasis is placed on dissection in this course.

Organic Chemistry
SC4X25S1 or SC4X25S2

**PREREQUISITE:** Chemistry or Enriched Chemistry *
**GRADE:** 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Science Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This semester-long elective science course will introduce students to the study of carbon-based compounds, which are found in all living things and can also be prepared synthetically. The course will focus on core concepts such as bonding, nomenclature, alkanes, alkenes and aromatics while studying topics such as fats and soaps, and fabrics and dyes. This course is designed to provide a strong foundation in organic chemistry for students interested in the fields of science, medicine, nursing, nutrition or veterinary medicine.

Physical Universe
SC4X26S1 or SC4X26S2

**PREREQUISITE:** Completion of or concurrent enrollment in Chemistry or Enriched Chemistry *
**GRADE:** 10, 11, 12
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** Science Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This semester-long elective science course is designed to introduce students to major concepts in science from the disciplines of astronomy and physics (particularly modern physics). This course explores the universe from the smallest particles to the largest structures in space including how stars live and die, black holes, and the Big Bang Theory. Students will be introduced to some of the dominant theories of modern physics, such as quantum mechanics and the theory of relativity — and these theories will be compared to classical Newtonian physics.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**AP Biology**
SC4X84S1 and SC4X84S2

**PREREQUISITE:** Chemistry or Enriched Chemistry; Summer work *
**GRADE:** 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Biology or Science Elective
**OUT OF CLASS WORK:** Daily
**FEE:** None

This year-long course is organized around four themes: Evolution, Cellular Processes: Energy & Communication, Genetics & Information Transfer, and Interactions. Each topic will include in-depth laboratory experimentation or project work. This course will provide students with a college-like experience, so strong reading skills are highly recommended. This course is designed as a second-year course in biology. Students who wish to pursue AP Biology as a first-year course will need to meet with the instructor to discuss the necessary requirements, including summer reading. This course is intended to prepare students for taking the national Advanced Placement test in the spring.

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**AP Environmental Science**
SC4X88S1 and SC4X88S2

**PREREQUISITE:** Biology or Enriched Biology *
**GRADE:** 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Science Elective
**OUT OF CLASS WORK:** Daily
**FEE:** None

This year-long course focuses on the natural systems of the world and the interrelationships between humans and the environment. In this class, students will study the different natural systems including environment and organisms, ecosystems and communities, and population principles. Students will also look at the human connections to these systems by studying sources of energy, environmental ethics, land, water and air quality issues, and environmental policy and decision making. This course is designed for motivated students interested in field biology and environmental studies. This course is intended to prepare students for taking the national Advanced Placement test in the spring.

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**AP Chemistry**
SC4X86S1 and SC4X86S2

**PREREQUISITE:** Chemistry or Enriched Chemistry *
**GRADE:** 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Chemistry or Science Elective
**OUT OF CLASS WORK:** Daily
**FEE:** None

This year-long course includes the advanced study of reaction types, stoichiometry, gas laws, thermochemistry atomic structure, bonding, solutions, kinetics, equilibrium, and acids/bases. Each topic will include in-depth laboratory experimentation or project work with emphasis on procedure and method. This course is intended to prepare students for taking the national Advanced Placement test in the spring. Concurrent enrollment in or completion of a physics class is recommended.

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**AP Physics**
SC4X87S1 and SC4X87S2

**PREREQUISITE:** Physics or Enriched Physics and concurrent enrollment or completion of Precalculus *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Physics Science Elective
**OUT OF CLASS WORK:** Daily
**FEE:** None

This full-year course addresses advanced topics in physics, focusing primarily on the areas of mechanics, electricity and magnetism, and waves. The course is intended for those science students whose abilities and interests will lead them to a college career in science and/or engineering. Each topic will include in-depth laboratory experimentation or project work with emphasis on procedure and method. This course will prepare students for taking the national Advanced Placement Physics 1 and/or Physics C: Mechanics test in the spring.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
SOCIAL STUDIES
COURSE PATHWAYS

REQUIRED COURSES - SUGGESTED SEQUENCE

Grade 9
- Government (year-long)
- AP Government (year-long)

Grade 10
- World History (year-long)
- AP World History (year-long)
- AP European History** (year-long)

Grade 11
- United States History (year-long)
- AP United States History (year-long)

Semester Elective Courses

Grades 9 - 12
- African American History, Philosophy OR AP Human Geography

Grades 10 - 12
- AP/Enriched Electives
  - AP Comparative Gov’t & Politics, AP Psychology, Enriched Sociology
  - Other Electives
- Contemporary Issues
  - Criminal Law
  - Psychology
  - Sociology

3.5 years of social studies required for graduation (courses may be taken in any order):
- Year-long Government course
- Year-long World History course (European History*)
- Year-long U.S. History course
- 1 semester of Economics or 2 semesters of AP Economics meets minimum requirement

*AP = Advanced Placement
**This course meets graduation requirements via Edina School Board approved waiver.
Social Studies

Students must complete the following: Government 9, U.S. History, one semester of Economics or a full year of AP Economics, and either World History or European History. The State geography requirement will be satisfied by students that complete a year of U.S. History, the government requirement, the economics requirement, and either a year of World History or European History.

US Government
SS4X10S1 and SS4X10S2

**PREREQUISITE:** None  
**GRADE:** 9  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Government  
**OUT OF CLASS WORK:** Often  
**FEE:** None

This course is designed to provide students with a comprehensive analysis of the authority, structure and procedure of American government. Major topics include the constitutional foundation, the politics of democracy and roles of the executive, legislative and judicial branches in the federal system. Emphasis is placed on the rights and responsibilities of citizenship in a democracy. In addition, students should develop the skills of inquiry and research necessary to interpret and make judgments regarding government actions in a complex society and world. Contemporary events, as they relate to course topics, are discussed through the year.

AP US Government
SS4X83S1 and SS4X83S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Government  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course involves the study of general concepts used to interpret U.S. politics. It familiarizes the student with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. The course focuses on the following topics and questions: the Constitutional underpinnings of the United States government, political beliefs and behaviors, political parties and interest groups, institutions and activities of the national government, civil rights and civil liberties, and America’s role in the world. This course is designed to prepare students for the American Government and Politics AP examination given each spring.

World History
SS4X19S1 and SS4X19S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** World History  
**OUT OF CLASS WORK:** Often  
**FEE:** None

This year-long course will have a global focus using geographic themes, especially migration of people, ideas, trade etc. Other themes may include regional comparison and human environment/interaction. Students will learn through lecture and traditional work, cooperative work and research. Assessments will include tests, essays and projects. This course is a part of the sequence of Social Studies courses that will meet the geography standards.

AP World History
SS4X80S1 and SS4X80S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** World History  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

The AP World History course, designed for the highly motivated student who is ready for college level work, develops a greater understanding of the evolution of global processes and contacts in interactions with different types of human societies. The course is built around six overarching themes: patterns and impacts of interactions among major societies, change and continuity across world history, impact of technology and demography, systems of social structure and gender structure, cultural and intellectual developments, and changes in functions and structures of states. Periodization, explicitly discussed, forms another organizing principle for dealing with change and continuity throughout the course. This is a truly global history, with practice for the AP test. Although content knowledge is important, stress will also be placed on writing an analytical and document-based essay. This course is intended to prepare students for taking the National Advanced Placement test in the spring. This course is a part of the sequence of Social Studies courses that will meet the geography standards.

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**Social Studies**

**US History**
SS4X11S1 and SS4X11S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** US History  
**OUT OF CLASS WORK:** Often  
**FEE:** None

In this course the student will study the development of political, social, economic and diplomatic history of the United States, with emphasis on the years 1877 to the present. Programs of various presidential administrations and major economic and political ideas that have influenced the development of our American system will be studied. The fourth quarter will be devoted to the study of the United States in a world setting. Emphasis will be placed on how other countries relate to the United States in terms of current economic, political, environmental and social issues. A study of how decisions made in the United States affect other nations and cultures will also be investigated. The contributions of many different groups of people to the development of the United States will be examined. This course is a part of the sequence of Social Studies courses that will meet the geography standards.

**AP US History**
SS4X82S1 and SS4X82S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** US History  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course is an intensive analysis of American history for the college-bound student. Topics will be studied chronologically with special emphasis on major interpretive questions that derive from the study of selected themes. Students will develop the skills necessary to arrive at conclusions on the basis of informed judgments, and to present reasons and evidence clearly and persuasively. Materials will include a basic college text, collections of selected documents, and a variety of interpretive works. This course is intended to prepare students for taking the National Advanced Placement test in the spring. This course is a part of the sequence of Social Studies courses that will meet the geography standards.

**AP Human Geography**
SS4X86S1 or SS4X86S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course requires students to compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. On completion of this course students must demonstrate how to use and think about maps and spatial data, understand and interpret the implications of associations among phenomena in place, recognize and interpret at different scales the relationships among patterns and processes, define regions and evaluate the regionalization process, and characterize and analyze the interconnections among places. This course is intended to prepare students for taking the National Advanced Placement test in the spring.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Social Studies

Contemporary Issues
SS4X14S1 and SS4X14S2

PREREQUISITE: None
GRADE: 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Social Studies Elective; Government with additional study
OUT OF CLASS WORK: Periodically
FEE: None

This course is designed to provide students an opportunity to analyze and evaluate selected United States and global social issues by applying critical thinking skills. Students will be expected to respectfully participate in open discussions of controversial issues, read critically and explore alternative views from a variety of sources of information including guest speakers. Discussion and analysis will occur in an interdisciplinary setting that incorporates concepts from all of the social studies.

Economics
SS4X21S1 or SS4X21S2

PREREQUISITE: None
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Economics
OUT OF CLASS WORK: Often
FEE: None

In this course, students will analyze the systematic ways in which people address the problem of allocating scarce resources to satisfy unlimited wants, with particular emphasis on the American capitalistic system. Students will be introduced to the basic principles of micro and macroeconomics, and will be expected to apply these principles to problems concerning the individual firm, and the national and international economies. This course is a part of the sequence of Social Studies courses that will meet the geography standards.

Blended Economics
SS4X22S1

PREREQUISITE: None
GRADE: 11, 12
LENGTH: 1 Semester, S1 only
MEETS REQUIREMENT FOR: Economics
OUT OF CLASS WORK: Often
FEE: None

In this course, students will analyze the systematic ways in which people address the problem of allocating scarce resources to satisfy unlimited wants, with particular emphasis on the American capitalistic system. Students will be introduced to the basic principles of micro and macroeconomics, and will be expected to apply these principles to problems concerning the individual firm, and the national and international economies. This course is a part of the sequence of Social Studies courses that will meet the geography standards.

AP Economics
SS4X84S1 and SS4X84S2

PREREQUISITE: None
GRADE: 9, 10, 11, 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Economics (with completion of full year)
OUT OF CLASS WORK: Daily
FEE: None

This course satisfies the Economics requirement. This course, which may be taught in a blended format, prepares students for two advance placement tests: Microeconomics and Macroeconomics. The microeconomics portion of the course seeks to evaluate the efficiency of the market system by examining supply and demand, various business structures in the product and resource markets, market failures, and the role of government. In the macroeconomics section, students will analyze the business cycle, indicators of economic performance (such as unemployment and inflation), money and money creation, monetary and fiscal policies, international trade, and currency exchange. The course places special emphasis on the analysis of current economic problems and presents several different economic schools of thought. This course is intended to prepare students for taking the National Advanced Placement test in the spring. This course is a part of the sequence of Social Studies courses that will meet the geography standards.

African American History
SS4X15S1 or SS4X15S2

PREREQUISITE: None
GRADE: 9, 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Social Studies Elective
OUT OF CLASS WORK: Periodically
FEE: None

This semester-long class is a chronological survey of African American History. By studying the roots of African American history, this course will give students an understanding of and a sense of pride in the record of accomplishments in spite of injustice, prejudice, and discrimination.
**Sociology**  
SS4X32S1 or SS4X32S2

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

Sociology is a semester-long course that introduces and raises awareness of sociological concepts, theories and issues. Following an introduction to the major (functionalist, conflict, and interactionist perspectives) the focus of the course turns to an examination of culture, society, socialization, groups and organizations, deviance, social and global stratification, class, race and ethnicity, gender studies, social movement, and the environment. Classroom activities include lectures, films, readings, debates, presentations, criminal procedure background, mock trial and discussion. The course culminates with a group project that analyzes a current social issue/problem of the group’s choice.

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**Enriched Sociology**  
SS4X75S1 or SS4X75S2

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

Enriched Sociology is a semester-long course that introduces and raises awareness of sociological theories, concepts and issues. Following an introduction to the major functionalist, conflict, and interactionist perspectives, the focus of the course turns to an examination of culture, society, socialization, groups and organizations, deviance, social and global stratification, class, race and ethnicity, gender studies, social movement, and the environment. Classroom activities include lectures, films, readings, debates, presentations, criminal procedure background, mock trial and discussion. In addition, the course will critically examine the sociology of sports, foundations of India’s Sacred Cow, Ju’hoansi society and how subtle sex discrimination works through classic, contemporary, and cross-cultural readings. This course culminates with a comprehensive group project that examines a specific social problem/issue and requires students to prepare an action plan for change through among other things, a service learning component.

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**AP Comparative Government**  
SS4X87S1 or SS4X87S2

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective; Government with additional study  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course is interdisciplinary and draws on knowledge from politics, history and economics. The course requires students to compare and contrast the world’s diverse political systems by analyzing different political institutions, public policy processes and outcomes, and marked periods of political and economic change. Students will also examine the effects of globalization and democratization not only on individual nations, but on the world as a whole. On completion of this course students must: understand major comparative political concepts, themes, and generalizations; have knowledge of important facts pertaining to the governments and politics of China, Great Britain, Iran, Mexico, Nigeria, and Russia; understand typical patterns of political processes and behavior and their consequences; be able to compare and contrast political institutions and processes across countries and to derive generalizations, and be able to analyze and interpret basic data relevant to comparative government and politics. This course is intended to prepare students for taking the National Advanced Placement test in the spring.

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**Psychology**  
SS4X31S1 or SS4X31S2

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course will examine how the various sub-fields of psychology scientifically describe, predict and explain behavior and mental processes. We will survey a broad range of psychology topics and consider the several perspectives, or lenses, through which psychologists study and understand behavior. Course topics include history and methods, bio-psychology, consciousness, learning, development, memory, personality and psychological disorders. Classroom activities will include discussion, direct instruction, videos, and group activities.
### AP Psychology
SS4X85S1 or SS4X85S2

**PREREQUISITE:** None  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course traces the emergence of scientific psychology from its roots in philosophy and physiology, and examines the development of the major schools of psychology in both applied and research sub-fields. Students will gain an understanding of the principal contemporary approaches to understanding behavior and mental processes. Unit topics include history and methods, bio-psychology, consciousness, sensation, perception, learning, memory, cognition, intelligence, motivation, emotion, personality, psychological disorders and therapy. This course covers material typically covered in an introductory college level psychology course and will prepare students for the Advanced Placement exam in the spring.

### Philosophy
SS4X34S1 or SS4X34S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective  
**OUT OF CLASS WORK:** Often  
**FEE:** None

Philosophy is a systematic critical inquiry into the natures of knowledge, ethics, and reality. Over the course of a semester, students will study philosophies throughout history from all over the world, as they arrive at their own conclusions and develop their own personal credos. This course will incorporate discussion, readings, debates, and writing as primary methods of instruction and assessment and serves as an introduction to content frequently central to a collegiate liberal arts education.

### Criminal Law
SS4X33S1 or SS4X33S2

**PREREQUISITE:** US Government *  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Social Studies Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

Criminal law, a semester-long course, will introduce students to the fundamentals of criminal law and liability, and to develop the critical analytical skills (written and oral) necessary for the next generation EPS learner. Units of study will include basic requirements of criminal liability, the distribution of criminal liability, mistake and omissions, significance of resulting harm, justification defenses, excuse defenses and responsibility for who we are. The course will rely upon a variety of teaching strategies to supplement the materials in Paul H. Robinson’s (5th edition) Criminal Law Case Studies.
If fewer than twenty students register for a particular level of a language, it may be combined with another level of the same language and will be taught as a combined course. Also, for those students who are likely to study a world language in college, it is advisable to take that language continuously through grade 12.

**American Sign Language**

**American Sign Language I (1)**
WL4X65S1 and WL4X65S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This first course is designed for students with no prior experience in American Sign Language. Students learn the basics for communication with deaf individuals. The course includes receptive and expressive readiness activities, sign vocabulary, basic rules of grammar, fingerspelling, conversational behaviors, and various aspects of Deaf Culture. Vocabulary building, conversation, short stories and narratives are practiced through receptive and expressive signing.

**American Sign Language II (2)**
WL4X66S1 and WL4X66S2

**PREREQUISITE:** ASL I *  
**GRADE:** 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

In this second level of American Sign Language, students continue to learn to communicate with deaf individuals. The course includes more advanced receptive and expressive readiness activities, sign vocabulary, ASL grammatical structure, fingerspelling, conversational behaviors, and various aspects of Deaf Culture. Vocabulary building, conversation, short stories and narratives are practiced through receptive and expressive signing.

**American Sign Language III (3)**
WL4X67S1 and WL4X67S2

**PREREQUISITE:** ASL II or instructor approval *  
**GRADE:** 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

In this third level of American Sign Language, students learn advanced skills for sophisticated communication with deaf individuals. The course includes more advanced receptive and expressive readiness activities, advanced sign vocabulary, fingerspelling, complex ASL grammatical structures, conversational behaviors, and various aspects of Deaf Culture.

**American Sign Language IV (4)**
WL4X68S1 and WL4X68S2

**PREREQUISITE:** ASL III or instructor approval *  
**GRADE:** 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

ASL IV is a continuation of the Level III curriculum, taught mostly in ASL where the expectation is to use ASL as the primary means of communication. Students will engage in conversations, provide/receive information, and exchange opinions on various topics. ASL expressive skills will be emphasized. Students will hone advanced skills in the discourse structure.

**Chinese**

**Chinese I (1)**
WL4X41S1 and WL4X41S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course is for students who have little to no prior experience with the Chinese language. Students will develop the four skills of listening, speaking, reading, and writing the Chinese language, as well as gaining understanding of Chinese culture. Students will be trained on Pinyin (the phonetic system of Mandarin), four tones, and vowels.
character recognition and writing skills. Students will also build up their Chinese basic vocabulary and sentence structures. Students will learn to express themselves and understand others on the daily life topics and commonly-used classroom languages. Topic related songs, dialogues, skits and games are used to as supplements to increase students' language abilities.

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**Chinese II (2)**
WL4X42S1 and WL4X42S2

**PREREQUISITE:** Chinese I or instructor approval *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course is a continuation course designed for students who already have the basics of Chinese, learned either through taking Chinese I, or from some other relevant experience. In addition to reviewing the basic vocabulary and sentence structures, the students will expand their vocabulary in various topics and form complex sentences by using conjunction words and fixed usages. Students will be introduced to present tense, past tense and future tenses by using particles, (words with no actual meaning but used for grammatical functions). Students continue to work on good communication skills by using commonly-used classroom phrases, songs, nursery rhymes and other supplemental materials. In addition, the students will develop their reading and writing skills by writing and presenting structured compositions, dialogues, and projects. Computer typing characters and on-line Chinese-English dictionary skills will be taught to foster students’ learning abilities.

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**Chinese III (3)**
WL4X43S1 and WL4X43S2

**PREREQUISITE:** Chinese II or instructor approval *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course is designed to build students’ skills and confidence in speaking, reading and writing in Chinese. Students will demonstrate their ability to express themselves in written and spoken Chinese using complex sentence structures with increased vocabulary. They will expand speaking and listening ability to understand and produce longer narratives. Students will develop reading and writing skills on more discourse forms, such as advice, request, instruction, and letters.

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**Chinese IV (4)**
WL4X44S1 and WL4X44S2

**PREREQUISITE:** Chinese III or instructor approval *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course is a continuation of the Chinese III curriculum. The course is taught almost entirely in Chinese. Students are expected to use Chinese as their primary means of communication. Students will engage in conversation, provide and obtain information and exchange opinions on various topics. Chinese productive skills, both oral and written language, will be emphasized. The students will develop more independent reading and be able to understand conversation/listening in great length and accuracy in details. The textbook will be supplemented by newspapers, short novels, idioms, pop songs, advertisements and plays.

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**Chinese V (5)**
WL4X45S1 and WL4X45S2

**PREREQUISITE:** Chinese IV or instructor approval *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course is a continuation of Chinese IV. The course is taught entirely in Chinese. Students are expected to use Chinese as their means of communication. The spiral learning continued from the previous courses will keep accumulating the students’ Chinese productive skills, both oral and written. The course will help students raise Chinese language proficiency and Chinese culture understanding. The textbook is supplemented by an array of authentic materials. The course will also start to introduce academic reading. The instructional methods are interactive and engage students into the use of the language.

Continued

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
AP Chinese Language and Culture
WL4X89S1 and WL4X89S2

**PREREQUISITE:** Chinese IV or 7 years of Weekend Chinese School *

**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

This course, designed primarily for Heritage Chinese students, works primarily to advance student proficiency in reading, writing, listening and speaking, and secondarily to prepare students for the AP Language and Culture Exam. Through the study of topical themes provided by the College Board, students in this course will enrich their vocabulary and improve their skills on speaking accurately, writing correctly, as well as listening and reading comprehension. Authentic materials such as film, literary works, media and music will be used to study not only the history of China, but also contemporary global issues affecting the Chinese-speaking world today.

French II (2)
WL4X73S1 and WL4X73S2

**PREREQUISITE:** French I *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course is a continuation of the French I curriculum. Students review previously studied structures and vocabulary before learning more advanced sentence structures. Communication is emphasized as students improve their listening, speaking, reading and writing skills to a practical level. Cultural topics acquaint students with French-speaking individuals and their cultures.

French III (3)
WL4X05S1 and WL4X05S2

**PREREQUISITE:** French II or instructor approval *  
**GRADE:** 10  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Often  
**FEE:** None

This course is designed to build on previous knowledge, as well as develop confidence and progress skills in speaking, listening, reading and writing in French. The class is taught primarily in French to move student proficiency toward “intermediate.” Communication skills, through speaking and writing, are emphasized and students are expected to use French in class to converse about practical, contemporary and culturally relevant situations. This class is not an appropriate entry point for students who completed the extended French program in 9th grade.

French (1)
WL4X72S1 and WL4X72S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

This course is designed for students who have no previous experience in French. Students learn basic French expressions, vocabulary and structural forms. As skills in listening, speaking, reading, and writing increase, more complex grammar and sentence patterns are studied. French and French-speaking cultures are also integrated within classroom learning activities through the use of authentic texts and audios.

EF French IV (4)/ Extended French
WL4F96S1 and WL4F96S2

**PREREQUISITE:** French Language Arts 8 *  
**GRADE:** 9  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course prepares students for the 10th grade course: The Diverse Francophone World. It allows Extended French students to continue to refine their speaking, writing (and grammar), listening and reading skills through the study of a variety of cultural topics and current events.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities
**Diverse Francophone World/Extended French**
WL4X04S1 and WL4X04S2

**PREREQUISITE:** Extended French IV (Immersion students) *
**GRADE:** 10
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Often
**FEE:** None

This course is designed for Extended French students who would like to continue in French in preparation for AP French Language and Culture. Students will examine French-speaking cultures from around the world through authentic material, as well as more traditional media such as art, poetry and prose. The goal of the course is for students to become more familiar with the diversity of French-speaking cultures, while working toward “intermediate-high” proficiency. Students will contrast their understanding of France and their American lives with other countries where French is spoken. Through exposure to various accents and dialects of the French language, and also through the synthesis of the topical information, students in this course will make progress in reading, writing, listening and speaking with grammatical and cultural accuracy.

**Enriched French IV (4)**
WL4X08S1 and WL4X08S2

**PREREQUISITE:** French III or instructor approval *
**GRADE:** 11
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Daily
**FEE:** None

This course is designed for traditional students who would like to continue in French in preparation for AP French Language and Culture. Students will examine French-speaking cultures through authentic material, as well as more traditional media such as art, poetry and prose. The goal of the course is for students to become more familiar with the diversity of French-speaking cultures while working toward “intermediate” proficiency. Students will contrast their understanding of France and their American lives with other countries where French is spoken. Through exposure to various accents and dialects of the French language, students in this course will make progress in reading, writing, listening and speaking with grammatical and cultural accuracy.

**French IV (4)/ Traditional**
WL4X06S1 and WL4X06S2

**PREREQUISITE:** French III or instructor approval *
**GRADE:** 11
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Daily
**FEE:** None

This course is designed for traditional students who would like to continue in the language, but less intensely as in the AP track. In this course, conducted in French, students continue to develop and refine listening, speaking, reading and writing skills. Students will continue to develop their listening, speaking, reading, and writing skills using a variety of authentic materials focusing on historical, cultural, and current events and other relevant topics in the French-speaking world. French V is the next course in the sequence for students who successfully complete French IV. However, students may seek a recommendation from their French IV teacher to register for AP French Language and Culture.

**French V (5)**
WL4X07S1 and WL4X07S2

**PREREQUISITE:** French IV (in EF or at EHS) or instructor approval *
**GRADE:** 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Often
**FEE:** None

This course is designed for both students from Extended French and the traditional French program who would like to continue in French, but not as intensely on the AP track. Conducted in French, level V is a continuation of French IV and focuses on moving student proficiency from “intermediate-low to intermediate-high.” Students will refine accuracy in their communication skills through the study of historical, cultural, and current events and other relevant topics in the French-speaking world. In order to build proficiency, students are expected to use French in class to converse about short stories, movies, articles and other authentic texts.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**World Language**

**Latin**

**Latin I (1)**
WL4X23S1 and WL4X23S2

**PREREQUISITE:** None  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course is a foundational study in Latin language and culture. It includes Roman and Greek mythological studies along with reading and comprehension of simple Latin sentences. Students will take the first steps acquiring the fundamentals of Latin grammar through reading the stories of a family in ancient Pompeii.

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**Latin II (2)**
WL4X24S1 and WL4X24S2

**PREREQUISITE:** Latin I or instructor approval *  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course is a continuation of the Latin I curriculum. Students continue to work toward an “Intermediate” to “Advanced-Low” proficiency rating in this seminar-style course. Through presentational speaking and writing (essays and film critiques), interpersonal speaking and writing (class and small group discussion) and interpretive reading, viewing and listening, students will study major French and Francophone films, cinematic movements, and historical events as well as the impact of these movements/films on the rest of the world.

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**Latin III (3)**
WL4X25S1 and WL4X25S2

**PREREQUISITE:** Latin II or instructor approval *  
**GRADE:** 10  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Daily  
**FEE:** None

This course is a continuation of the Latin II curriculum. Students follow familiar characters to Ancient Rome. Through stories, students learn about the art, architecture, history, government, society, religion and entertainment of the ancient Romans. The structural elements of Latin continue to be a major part of the readings and classroom practice. Latin vocabulary skills grow through readings and derivative studies.

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**World Language**

**AP French Language and Culture**
WL4X83S1 and WL4X83S2

**PREREQUISITE:** Traditional Student: French IV or Pre-AP French Language and Culture. EF Student: Diverse Francophone World *  
**GRADE:** 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Often  
**FEE:** None

This course, conducted entirely in French, works primarily to progress student proficiency from “Intermediate” to “Advanced-Low” and secondarily to prepare students for the AP Language and Culture Exam. Through the study of 36 topical themes provided by the College Board, students in this course will make progress in reading, writing, listening and speaking with grammatical and cultural accuracy. Authentic materials such as film, literary works, media and music will be used to study not only the history of France and the Francophone world, but also contemporary global issues affecting the French-speaking world today. This course is intended to prepare students for taking the National Advanced Placement test in the spring.

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**French Culture in the Modern World**
WL4X02S1 and WL4X02S2

**PREREQUISITE:** AP French Language and Culture or instructor recommendation *  
**GRADE:** 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Periodically  
**FEE:** None

Grade 12 French students will continue to work toward an “Advanced-Low” proficiency rating in this seminar-style course. Through presentational speaking and writing (essays and film critiques), interpersonal speaking and writing (class and small group discussion) and interpretive reading, viewing and listening, students will study major French and Francophone films, cinematic movements, and historical events as well as the impact of these movements/films on the rest of the world.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Latin IV (4)
WL4X26S1 and WL4X26S2

**PREREQUISITE:** Latin III or instructor approval *

**GRADE:** 11

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:** Daily

**FEE:** None

The curriculum of this course follows an in-depth study of the Roman Empire. Advanced language-structures and vocabulary-building are emphasized. The literature of the empire, including works of Ovid, Catullus, and Vergil, is read as part of the course. The eyewitness account of Pliny as he observed the eruption of Mt. Vesuvius brings the students full circle with their very first unit on Pompeii.

Latin V (5)
WL4X27S1 and WL4X27S2

**PREREQUISITE:** Latin IV or instructor approval *

**GRADE:** 12

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:** Daily

**FEE:** None

This course studies the literary works of the classical authors Caesar and Vergil. Literary works, grammar review, stylistic devices, poetic meter and vocabulary are studied. By reviewing the lives of the authors and their places in Roman history, the students examine their impact on ancient times and on the writing of later poets.

AP Latin V (5) – College in the Schools (CIS)
WL4X88S1 and WL4X88S2

**PREREQUISITE:** Latin IV *

**GRADE:** 12

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:** Daily

**FEE:** None

AP Latin V - College in the Schools studies the literary works of the classical authors Caesar and Vergil. Literary works, grammar review, stylistic devices, poetic meter and vocabulary are studied. By reviewing the lives of the authors and their places in Roman history, the students examine their impact on ancient times and on the writing of later poets. This course is intended to prepare students for taking the National Advanced Placement test in the spring. This course is run as a University of Minnesota course 3003 and 3004. University of Minnesota credits may be transferred to other higher education institutions of students’ choice.

Spanish

Students who are earning below 75% should consider retaking their current level, instead of advancing to the next level. Historically, students who have a C- or lower have found that the fundamentals are not in place and are more successful if they retake the course before advancing. In order to make this decision, we strongly recommend a conversation between the family, the current language teacher and the student’s counselor.

Spanish I (1)
WL4X32S1 and WL4X32S2

**PREREQUISITE:** None

**GRADE:** 9, 10, 11, 12

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

This course is designed for students who have no previous experience in Spanish. Students learn basic Spanish expressions, vocabulary and structural forms. As students skills in listening, speaking, reading, and writing increase, more complex grammar and sentence patterns are studied. Spanish and Latin-American cultures are also integrated within the classroom learning activities through the use of authentic texts and audios. Students coming from the French Immersion program have the option of enrolling in either Spanish I or II, depending on the degree of previous success and comfort with world languages.

Spanish II (2)
WL4X34S1 and WL4X34S2

**PREREQUISITE:** Spanish I *

**GRADE:** 9, 10, 11, 12

**LENGTH:** Full Year, S1 and S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:** Periodically

**FEE:** None

This course is a continuation of the Spanish I curriculum. Students review previously studied structures and vocabulary before learning more advanced sentence structures. Communication is emphasized as students improve their listening, speaking, reading and writing skills to a practical level. Cultural topics acquaint students with Spanish-speaking individuals and their cultures.

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Spanish III (3)
WL4X35S1 and WL4X35S2

**PREREQUISITE:** Spanish II *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course is designed to develop the students' confidence, build on their previous knowledge and refine their ability to speak, listen, read and write in Spanish. The class is taught primarily in Spanish to promote oral and listening proficiency. Communication skills, through speaking and writing, are emphasized and students are expected to use Spanish in class to converse about practical, contemporary situations. Students are also exposed to short stories, authentic materials and Spanish-speaking cultures.

Spanish IV (4)
WL4X36S1 and WL4X36S2

**PREREQUISITE:** Spanish III *
**GRADE:** 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course is geared towards students who would like to continue in the language, yet not as intensely as in the Enriched and AP track. In this course, conducted in Spanish, students continue to develop and refine listening, speaking, reading and writing skills. Students review previously studied grammar, focusing more intently on accuracy in speaking and writing, before learning more sophisticated grammar to further their communication skills. Spanish V is the next course in the sequence for students who successfully complete Spanish IV. However, students may seek a recommendation from their Spanish IV teacher to register for AP Spanish Language and Culture.

Spanish V (5)
WL4X37S1 and WL4X37S2

**PREREQUISITE:** Spanish IV *
**GRADE:** 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course, conducted almost entirely in Spanish, is a continuation of Spanish IV and is designed to help students remain active in the language and grow in their proficiency. In addition to refining grammatical and communicative skills, students will keep up-to-date with current events and other relevant topics in the Spanish-speaking world. In order to build proficiency, students are expected to use Spanish in class to converse about short stories, movies, articles and other authentic texts.

Enriched Spanish IV (4)
WL4X77S1 and WL4X77S2

**PREREQUISITE:** Spanish III *
**GRADE:** 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course focuses on the development of listening, speaking and reading skills with an emphasis on conversation and expansion of vocabulary. Students will use these skills through the study of data from Chile and Spain (economics, demographics, natural resources, etc.) and compare it to their own culture. Students will learn more advanced grammar skills to enrich their speaking and writing proficiency, so in order to be successful in this course students must have mastered these verb conjugations and verb phrases as well as those learned in Spanish III (regular and irregular) in both written and oral form.

AP Spanish Language and Culture
WL4X81S1 and WL4X81S2

**PREREQUISITE:** Spanish IV or Spanish IV Enriched *
**GRADE:** 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

This course is designed to help students master their ability to speak, read, listen and write in Spanish. Conducted almost entirely in Spanish, students prepare for the AP Language and Culture Exam. In order to achieve the necessary proficiency to pass the examination, students will work to refine their presentational writing/speaking and interpersonal speaking/writing skills, as well as their reading and listening comprehension. Units center around the six major themes mandated by the College Board, and involve substantial written and spoken participation, as well as active reading, listening, and writing. Communication skills, through speaking and writing are emphasized, and students are expected to use Spanish in class to converse about short stories, movies, articles and other authentic texts.
World Language/Additional Learning Experiences

stories, literature, and lectures cultural topics, articles and short stories. Students will research within the topics, continue to refine sophisticated grammar skills, increase their cultural knowledge and learn new vocabulary as they progress through the course. This course is intended to prepare students for taking the National Advanced Placement test in the spring.

AP Spanish Literature and Culture
WL4X82S1 and WL4X82S2

PREREQUISITE: AP Spanish Language Culture *
GRADE: 12
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Elective
OUT OF CLASS WORK: Daily
FEE: None

Students read and analyze Spanish literature from various Spanish speaking countries. The historical period spans from medieval through modern times. In the course students continue to develop proficiencies across the full range of the modes of communication (interpersonal, presentational, and interpretive), honing their critical reading and analytical writing skills. Besides reading, students study the historical context in which the work was made, as well as analyze how historical context affects perspective and style of the work. Part of the course requires students to analyze in writing their observations of theme, style, and historical influences on the work. There are 1-2 hours of homework for the course each night, weekly assessments to monitor progress and periodic writing assessments.

Learning Experiences

AVID 9-12

PREREQUISITE: Recommendation, application, and interview required *
GRADE: Register for class corresponding to grade level
LENGTH: Full Year, S1 and S2
MEETS REQUIREMENT FOR: Elective
OUT OF CLASS WORK: Minimal
FEE: None

AVID stands for Advancement Via Individual Determination, and is a grade 7-12 system of enrichment. AVID is an elective class that develops the following skills through its curriculum: Writing, Inquiry, Collaboration, Organization, and Reading. Students learn and apply strategies in critical-reading, organization, focused note taking, and goal-setting to enhance skills and access high level curriculum in preparation for college. Students participate in a group tutoring process, go on field trips, including college visits, team-building, service-learning and authentic research.

While enrolled in AVID, students are also enrolled in at least one enriched or advanced level courses. AVID classes target students in the academic middle, who have the desire to go to college and the willingness to work hard.

AVID 9
AV4F01S1 and AV4F01S2

AVID 10
AV4S01S1 and AV4S01S2

AVID 11
AV4J01S1 and AV4J01S2

AVID 12
AV4R01S1 and AV4R01S2

Peer Tutor
Register for an alternate class

PREREQUISITE: Application process *
GRADE: 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: Edina Scholar of Distinction (with 3.5 cumulative GPA)
OUT OF CLASS WORK: None
FEE: None

Peer tutoring is a flexible, peer-mediated strategy that involves students serving as academic tutors. Sophomores, juniors and seniors who have performed well in specific courses are eligible to serve as EHS peer tutors. All peer tutors will receive training in tutoring policies and techniques prior to engaging in working with students.

Teacher Assistant
Register for an alternate class

PREREQUISITE: See Counseling Office for application *
GRADE: 10, 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: None
OUT OF CLASS WORK: None
FEE: None

Teacher Assistant is the title given to students who wish to work as library, media, office, or teacher assistants. The student who registers for this noncredit course should be prepared to work the entire period each day. This service activity will be noted on his/her transcript. Before registering for this program, the student must secure a written approval from a faculty or staff member.
Student Council
Register for an alternate class

**PREREQUISITE:** Selection Process
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Students elected to the Student Council will create a positive, educational, and equitable environment at EHS by serving our students, staff and community through planning events, projects, and leading by example. Students will work collaboratively with school administration to meet the needs of all students. Students will receive letter grades based on their participation and performance in planning events. Students will follow Robert’s Rules protocol during weekly meetings and learn how to involve themselves in a formal council setting.

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Whigrean
Register for an alternate class

**PREREQUISITE:** Selection Process *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Often
**FEE:** None

This is the course registration option for students who have been selected as Whigrean (yearbook) staff members.

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Zephyrus
Register for an alternate class

**PREREQUISITE:** Selection Process *
**GRADE:** 9, 10, 11, 12
**LENGTH:** Full Year, S1 and S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Often
**FEE:** None

This is the course registration option for students who have been selected as Zephyrus (newspaper) staff members.

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Global Scholar Capstone

**PREREQUISITE:** Global Scholar Program Participant or approval by Global Scholar Coordinator *
**GRADE:** 11, 12
**LENGTH:** S1 or S2
**MEETS REQUIREMENT FOR:** Elective
**OUT OF CLASS WORK:** Periodically
**FEE:** None

Global Scholar Capstone is a one semester course required for students in the Global Scholar program. Students create a research question around their chosen pathway (STEM, Fine Arts or Humanities) and one United Nations Sustainable Development Goal. Students will be given guidance, time and space to research and create an actionable project to showcase their global competence. At the end of the semester, students will present a showcase of their work and celebrate their experience as a Global Scholar. Any junior or senior who is a part of the Global Scholar program may enroll.

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Quiet Student Prep 9
OT4X26S1 or OT4X26S2

**PREREQUISITE:** None
**GRADE:** 9
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** None
**OUT OF CLASS WORK:** None
**FEE:** None

This is a non-credit bearing class for 9th graders interested in an opportunity to have a period within the daily schedule to get work done and/or seek additional help. The setting of this class is quiet to promote a focused learning environment.

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Quiet Student Prep 10
OT4X24S1 or OT4X24S2

**PREREQUISITE:** None
**GRADE:** 10
**LENGTH:** 1 Semester, S1 or S2
**MEETS REQUIREMENT FOR:** None
**OUT OF CLASS WORK:** None
**FEE:** None

This non-credit bearing class for 10th graders interested in an opportunity to have a period within the daily schedule to get work done and/or seek additional help. The setting of this class is quiet to promote a focused learning environment.

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**Collab Student Prep 10**
OT4X25S1 or OT4X25S2

**PREREQUISITE:** None

**GRADE:** 10

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:** None

**OUT OF CLASS WORK:** None

**FEE:** None

This non-credit bearing class is an opportunity for students to have a period within the daily schedule to get work done, seek additional help, and/or collaborate with others. The setting of this class is collaborative where students may work productively in small groups.

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**Student Prep 11/12**
OT4X27S1 or OT4X27S2

**PREREQUISITE:** None

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

This non-credit bearing class is an opportunity for students to have a period within the daily schedule to get work done, seek additional help and collaborate with others.

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**Freshman Seminar**

**PREREQUISITE:** None

**GRADE:** 9

**LENGTH:** 1 semester, S1 or S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:**

**FEE:** None

Freshman Seminar is a support class designed to assist 9th graders in their transition to high school. This course provides a smaller setting where teachers assist in assessing student needs, as well as provide personalized academic support and enrichment necessary for growth and success in high school. Students will receive instruction and support for essential student behaviors, including organization, studying, goal-setting and self-advocacy. Freshman Seminar students also receive guidance in creating their 4-year plan, post-secondary planning and have direct access to mental health support.

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**Sophomore Seminar**

**PREREQUISITE:** None

**GRADE:** 10

**LENGTH:** 1 semester, S1 or S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:**

**FEE:** None

Sophomore Seminar is a support class designed to assess student needs and provide personalized academic support and enrichment necessary for continued growth and success in high school. The course provides instruction and support for essential student behaviors, including organization, studying, goal-setting, and self-advocacy. Sophomore Seminar students also receive guidance in monitoring their graduation plan, post-secondary planning and have direct access to mental health support.

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**Junior/Senior Seminar**

**PREREQUISITE:** None

**GRADE:** 11, 12

**LENGTH:** 1 semester, S1 or S2

**MEETS REQUIREMENT FOR:** Elective

**OUT OF CLASS WORK:**

**FEE:** None

Junior/Senior Seminar is a support class for 11th and 12th graders who have completed Sophomore Seminar, or who are recommended by a counselor. The course is designed for students who desire personalized academic support and enrichment necessary for successfully completing high school and transitioning to their next steps. Expectations of the course include participation in our mentorship or service program, post-secondary planning and weekly academic check-ins. Seminar students will have time for guided studying and availability for enrichment in the areas of mental health and subject specific skill development.

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**English as a Second Language**

**PREREQUISITE:** See Counseling *

**GRADE:** 9, 10, 11, 12

**LENGTH:** 1 semester, S1 or S2

**MEETS REQUIREMENT FOR:** TBD

**OUT OF CLASS WORK:**

**FEE:** None

This program is designed for students for whom English is a second language. This course provides credit in a variety of learning areas for English language learners. Proficiency-oriented language instruction will also be provided and tested. Eligibility for the program will be determined by English proficiency testing.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Special Education Services

**PREREQUISITE:** See Counseling  
**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 semester, S1 or S2  
**MEETS REQUIREMENT FOR:** TBD  
**OUT OF CLASS WORK:**  
**FEE:** None

Students who have disabilities related to hearing, vision, speech, physical mobility, learning or behavior may be eligible for special education services after an assessment to determine eligibility and need. Students may not register for these services; enrollment is a team decision and is based upon the assessment results. Classes offered through special education carry credit toward graduation and include resource support, alternative coursework, adaptive physical education, and work experience programs. Services that are not credit-bearing include occupational therapy, speech therapy, interpretation for the hearing impaired, monitoring, special transportation, and vision specialists.

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**Work Based Learning (WBL):**

**On The Job**  
Register for an alternate class

**PREREQUISITE:** Concurrently enrolled in or successful completion of WBL Training; see counselor  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

Students are released from school to work in the community after attending school for a minimum of five hours daily, fulfilling the requirements for academic and related instruction. Students will receive one credit for successful employment/internship, working a minimum of 10 hours per week or 85 hours per semester. Students will receive two credits for successful employment/internship, working a minimum of 170 hours per semester. Student progress is evaluated by both employer and teacher coordination and graded on a Pass/No Credit basis. Transportation to job sites (within city limits) is provided by the high school.

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**Work Based Learning (WBL):**

**Genesys Works Intern**  
Register for an alternate class

**PREREQUISITE:** Concurrent enrollment in WBL Training S1 and S2; application only  
**GRADE:** 10, 11, 12  
**LENGTH:** Full Year, S1 and S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

Students will participate in a full year internship program through Genesys Works and be placed at an area corporation. Students will be required to participate and graduate from a summer training program and enroll in WBL Training concurrently throughout the year. This class will be graded Pass/No Credit and students will receive two elective credits for successful completion. Students must be on track to graduate to apply for this program.

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**Work Based Learning (WBL):**

**Training**  
Register for an alternate class

**PREREQUISITE:** See Counselor  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:** Elective  
**OUT OF CLASS WORK:** Minimal  
**FEE:** None

Students will develop career awareness and knowledge of the world of work. Topics include job acquisition, money management, job safety, career exploration, post-secondary planning, and daily living skills/issues. This course is a prerequisite for any other WBL course and students will earn one elective credit for successful completion.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
Options at EHS

**PREREQUISITE:** Application

**GRADE:** 9, 10, 11, 12  
**LENGTH:** 1 semester, S1 or S2  
**MEETS REQUIREMENT FOR:** TBD  
**OUT OF CLASS WORK:**  
**FEE:** None

Options at Edina High School is a school within Edina High School designed to provide an alternate educational experience for students who have fallen significantly behind in their graduation plan. Students must qualify for this State Approved Alternative Learning Program, and can seek more information through their EHS counselor. Options provides a flexible, smaller learning environment in which instruction is personalized and the student experience is unique to their needs. Students receive instruction by highly qualified teachers who monitor progress closely and allow students to work at their own pace toward established social, emotional and academic learning goals.

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### Postsecondary Enrollment Options (PSEO)

**PSEO**  
PS5X00S1 or PS5X00S2

**PREREQUISITE:** Residency and eligibility  
**GRADE:** 10, 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:**  
**OUT OF CLASS WORK:**  
**FEE:** None

Postsecondary Enrollment Options (PSEO) is a program that allows 10th, 11th and 12th grade students to earn both high school and college credit while still in high school, through enrollment and successful completion of college-level, nonsectarian courses at eligible participating postsecondary institutions. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Each participating college or university sets its own requirements for enrollment into PSEO courses. 11th and 12th grade students may take PSEO courses on a full or part-time basis; 10th graders may take one career/technical PSEO course. If students earn at least a grade C in that class, they may take additional PSEO courses.

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### Credit by Assessment

Policy 620 provides the process by which credit to fulfill graduation requirements in grades 9-12 may be granted through credit by assessment for knowledge acquired in another learning environment other than standard course curriculum, provided such experiences meet current Minnesota academic standards. Students ready to demonstrate mastery of content for a required course should see their counselor. Linked below is additional information regarding Policy 620 and information regarding Credit by Assessment.

- Credit by Assessment Info & FAQ
- Policy 620

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities
****Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities

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**Hennepin Technical College**

Students interested in an HTC course should register for six classes plus a Student Prep class. To complete registration, students must fill out and submit an application form which can be found in the EHS counseling registration web page, or in the counseling office. HTC enrollment for the fall semester next school year is guaranteed if all forms are submitted by February 28th.

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**HTC - Construction I (1) – FALL SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

The goal of this course is to provide students with experiences and examples of the construction industry that will allow them to assess their own abilities and interests in the various construction disciplines. Students will participate in classroom, shop, and house-project activities. The activities in the shop and house project will allow the students to have hands-on opportunities in many construction disciplines. This experience will allow students to make informed career decisions for the future, while providing them with a useful background in the construction industry. **Areas of Study may include:** Introduction to CAD; Ceramic Tile; Basics of Cabinetmaking; Deck construction; Intro to Stair Framing; Intro to Rafter Framing.

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**HTC - Culinary Arts I (1) – FALL SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

This course is intended to introduce students to a variety of careers in the food service industry. Students will experience a number of career areas through both technical and hands-on skills. Employment opportunities and career advancement will be discussed and explored. Food preparation experiences will range from the very basic to gourmet. Students will also explore some specialty career areas within the food service industry. **Areas of Study may include:** ServSafe Certification; Introduction to the food service industry; Safety and sanitation; Reading and conversion of recipes; Tools and Equipment; Basic principles of cooking and food science; Mise En Place; Stocks and Sauces; Soups.

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**HTC - Construction II (2) – SPRING SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S2 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

The goal of this course is to provide students with experiences and examples of the construction industry that will allow them to assess their own abilities and interests in the various construction disciplines. Students will participate in classroom, shop, and house-project activities. The activities in the shop and house project will allow the students to have hands-on opportunities in many construction disciplines.

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**HTC - Culinary Arts II (2) – SPRING SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S2 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** Yes

This course offers a more advanced level of culinary training tailored to the standards of the culinary industry. Students will be expected to perform at entry-level industry standards. Hands-on activities are about 70 percent of the coursework. **Areas of Study:** ServSafe Certification; Vegetable cookery, Potato cookery; Legumes, grains, pasta and starch cookery; Meat, poultry and seafood cookery; Salad dressings and Salads; Sandwiches; Breakfast cookery; Intro to baking.
HTC - Intro to Criminal Justice – FALL OR SPRING SEMESTER

PREREQUISITE: See Counseling office for application *
GRADE: 11, 12
LENGTH: 1 Semester, S1 or S2
MEETS REQUIREMENT FOR: 
OUT OF CLASS WORK: 
FEE: None

This course will introduce the student to the criminal justice system. Student study will focus on the components of the criminal justice system: Laws and Government, Policing, Courts, and Corrections. Students will learn how the four components are connected and related. Topics include history, ethics, victimization, crime statistics and extent, our changing society, and advances in technology. Court cases as well as system successes and failures are discussed and analyzed. This course satisfies Minnesota Transfer Curriculum (MNTC) Goal 9: Ethical and Civic Responsibility.

Areas of Study may include: Crime and the Criminal Justice System in the United States; Nature of Crime and Victimization; Crime statistics commonly used; Criminal and constitutional law issues; History of Policing; Organization, role, and function of policing; Community oriented policing/Problem solving policing; Organization, role, and function of courts; The criminal prosecution process; Prosecution and defense attorneys; History of corrections; Organization, role, and function of jails and prisons; Probation and parole; community based corrections; Determinate and indeterminate sentencing models; Juvenile Justice System; Minnesota POST Board requirements.

HTC - Juvenile Justice – FALL SEMESTER

PREREQUISITE: See Counseling office for application *
GRADE: 11, 12
LENGTH: 1 Semester, S2 only
MEETS REQUIREMENT FOR: 
OUT OF CLASS WORK: 
FEE: None

This course emphasizes the origin, development, organization, functions, and jurisdiction of the Juvenile Justice System in America from its historical roots to the present. Special emphasis is placed on the MN Juvenile Justice System and associated statutes. Topic areas include the processes and detention of juveniles; constitutional protections extended to juveniles; case disposition, juvenile statutes and court procedures relative to juvenile offenders, laws and procedures regarding child abuse, child neglect, juvenile records and the juvenile court process. United States and Minnesota Supreme Court cases are discussed and analyzed. Differences between the treatment of adults and juveniles in our society will be highlighted. Areas of Study may include: Juvenile Crime and Victimization Data Overview; Psychological and Emotional Development of Juveniles; Theories of Delinquency; Influences on Delinquency; History of the Juvenile Justice System; Placements and Detentions; Juvenile Data Practices; Juvenile Crime: Status offenses through felonies; Juvenile Dispositions: Diversion through certification; Rules of Juvenile Court in Minnesota; Juvenile Traffic Court; Juvenile Interview and Interrogation; Types of Child Abuse and Neglect; Mandated Reporting; Referral Resources Available to Peace Officers.

HTC - Police and Community – SPRING SEMESTER

PREREQUISITE: See Counseling office for application *
GRADE: 11, 12
LENGTH: 1 Semester, S2 only
MEETS REQUIREMENT FOR: 
OUT OF CLASS WORK: 
FEE: None

This course will focus on the origins, history, and current practices of policing. Key issues, questions, and concepts related to police interaction with communities as well as relevant court cases are studied. Topic areas include ethics, leadership, diversity, problem solving, volunteerism and communication. Areas of Study may include: Introduction to the historical development of policing in society; Development of American police in relation to local and national security; Professional reports and influence of police research; Role of psychological and job testing; Police professionalism; Knowledge of field training officer (FTO) training aspects; Police discretionary behavior; Police hierarchy and career development; Bias motivated crime and mandated reports; Continued

*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities.
**HTC – Emergency Medical Responder (EMR) – FALL OR SPRING SEMESTER**

**PREREQUISITE:** See Counseling Office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

This course prepares students to provide immediate lifesaving pre-hospital assessment and care for patients of all ages until additional medical help arrives. Students will learn about responder roles, responsibilities, and legal concerns, as well as patient assessment, care and stabilization. Additional topics of study include an introduction to emergency medical services systems, anatomy and physiology, responder safety and career opportunities. Practical skills required for EMR’s to deal with medical and traumatic emergencies will be taught and students will be trained in professional rescuer CPR. *Areas of study:* The Emergency Medical System; Responder Safety and Wellness; Medical, Legal, and Ethical Issues Communication, Documentation and Terminology; Anatomy and Physiology; Airway Management; Patient Assessment; Medical Emergencies; Bleeding, Shock, and Musculoskeletal Injuries; Childbirth; Pediatric and Geriatric Emergencies; Patient Extrication, Movement and Transport.

**HTC - Health Careers I (1)– SPRING SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S2 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

This exciting course is for students interested in exploring a career in the medical field. In addition to career exploration, students will also develop career goals, identify personal characteristics, learn medical terminology and be introduced to anatomy and physiology. *Areas of Study:* Medical terminology; Safety and infection control; Personal characteristics, legal and ethical responsibilities; Career exploration in Diagnostics, Therapeutics, Health Informatics, Support Services, Biotechnology research and development; AHA CPR & First Aid; Team member and leadership skills.

**HTC - Auto Body Repair I (1) – FALL SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** Yes

This introductory course to auto body technology teaches non-structural repair, collision damage estimating, and refinishing. This is a skill-building course that starts students on their way towards becoming proficient in the auto body industry. *Areas of Study:* Automotive refinishing; Detailing; Cutting and heating processes; Welding; Non-structural repair; Disassembly, assembly, and alignment of bolt-on components; Advanced welding project.

**HTC - Auto Body Repair II (2)– SPRING SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S2 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** Yes

In this course, students learn MIG welding, dent repair, and alignment of bolts on parts. *Areas of Study:* Cutting and heating processes; Welding; Non-structural repair; Disassembly, assembly, and alignment of bolt-on components; Advanced welding project.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**HTC – Painting/Welding for Auto Repair – FALL SEMESTER**

**PREREQUISITE:** See Counseling office for application

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** Yes

Students will learn oxyacetylene cutting and welding, MIG welder set-up, removal of welded components on vehicles and replacement, plastic welding and plastic repair. **Areas of Study:** Oxyacetylene cutting and welding; MIG welding/set up; Weld drilling and cutting; Plastic welding/repair; Surface Prep; Undercoats; Finish coats; Polish.

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**HTC – Automotive Technology II (2) – SPRING SEMESTER**

**PREREQUISITE:** See Counseling Office for application

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S2 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** Yes

This course continues the study of fundamental automotive theories and operating systems. Students learn about automotive brake systems through lecture and hands-on activities. Students will learn brake theory, diagnosis and repair. In addition, basic engine theory, fuel injection, ignition, and engine performance will be covered. **Areas of Study:** Brakes; Engine theory; Engine performance. Fall Semester is not a prerequisite for the Spring Semester course.

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**HTC – Adv Auto Body Repair – FALL OR SPRING SEMESTER**

**PREREQUISITE:** Fall and Spring Semester Auto Body Repair See Counseling Office for application

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

Students refine their skills in repairing today’s technologically advanced cars that require knowledge of metals and plastics, and proficiency in performing structural repairs using specialized equipment. Students will restore and refinish vehicles, using skills learned in class. **Areas of Study:** Frame repair; Welding; Metal finishing; Painting; Alignment of body components.

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**HTC – Outdoor Motor Sports/Power Equipment I (1) – FALL OR SPRING SEMESTER**

**PREREQUISITE:** Fall and Spring Semester Auto Body Repair See Counseling Office for application

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 or S2

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** None

Students will learn how to maintain and repair ATVs, motorcycles, mini bikes, snowmobiles, personal watercraft, and small internal combustion engines used on power equipment such as lawn tractors, generators, trimmers, and leaf/snow blowers. Students will also learn engine maintenance, preventive care, problem solving, minor and major engine rebuilding, and how to achieve customer satisfaction. The curriculum focuses on skill building projects and troubleshooting. Students learn industry standards and current technology using both factory and after-market manuals and text. **Areas of Study:** Engine rebuilding; Repair and overhaul; Shop safety; Trouble-shooting techniques.

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**HTC – Automotive Technology I – FALL SEMESTER**

**PREREQUISITE:** See Counseling office for application

**GRADE:** 11, 12

**LENGTH:** 1 Semester, S1 only

**MEETS REQUIREMENT FOR:**

**OUT OF CLASS WORK:**

**FEE:** Yes

Students learn basic automotive systems and begin mastering tools, techniques, and maintenance procedures regularly performed on automobiles. Students will perform work on donated vehicles or their own vehicles, and conduct repair and maintenance procedures on tires, steering, suspension, and electrical systems. In addition, students will acquire shop safety habits essential to work in an automotive service shop. Experiences include using on-line automotive resources similar to those at automotive service centers to find information on all mass-produced vehicles. **Areas of Study:** Suspension and steering; Automotive electrical systems.

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*Special Education (IEP) teams may waive course pre-requisites to provide appropriate access to students with disabilities*
**HTC - Outdoor Motor Sports/Power Equipment II (2) – FALL OR SPRING SEMESTER**

**PREREQUISITE:** Outdoor Motor Sports/Power Equipment I - See Counseling Office for application *

**GRADE:** 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:**  
**OUT OF CLASS WORK:**  
**FEE:** None

Students in this advanced course will focus on skill-building, diagnostics, trouble-shooting, preventive care, and minor and major engine rebuilding. A large emphasis will be placed on time management, which will include ordering parts, customer communications, invoicing, and computer skills. Electrical components, along with reading schematics and the repair of these items, will also be a component of this course. **Areas of Study:** Electrical components; Reading schematics; Repair and overhaul, Electrical motors and battery power.

**HTC – Power Sports for the Enthusiast/ Home Shop – FALL OR SPRING SEMESTER**

**PREREQUISITE:** Fall and Spring Semester Auto Body Repair - See Counseling Office for application *

**GRADE:** 11, 12  
**LENGTH:** 1 Semester, S1 or S2  
**MEETS REQUIREMENT FOR:**  
**OUT OF CLASS WORK:**  
**FEE:** None

Power Sports for the Enthusiast focuses on both preventative and routine maintenance of power sports equipment. Students will learn how to properly store their seasonal equipment. They will also set up and maintain a “home shop” learning how to budget and purchase tools and equipment, and maintain their “shop” and perform projects required with the resources they have at their “shop”. Problem solving and critical thinking are two of the “tools” students will frequently use. **Areas of Study:** Bleeding hydraulic breaks; Tightening a chain on a dirt bike; Aligning the skis on a snowmobile; Lowering a motorcycle; Wiring in an integrated tail light; Changing propeller on an outboard.

**HTC - Introduction to Information Technology – FALL AND SPRING SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12  
**LENGTH:** 2 Semesters, S1 and S2  
**MEETS REQUIREMENT FOR:**  
**OUT OF CLASS WORK:**  
**FEE:** None

This course will introduce the student to an overview of the IT principles which every business and computer student should understand. This course will present the changing role of the IS professional as well as introduce concepts that will be covered more fully in advanced classes. This course will utilize hands-on experiences to maximize instruction. **Areas of Study:** IT Exploration (8:00am) Articulated; Web Design (8:00am); Define terms; Label computer components; Utilize application software; Describe data communications; Apply business and computer ethics; Identify computer security issues; Characterize database functions; Explore future job opportunities; Apply decision making practices; Explain artificial intelligence technologies' Explore emerging technologies; Animation (Stop Motion & 2D & 3D) Students will learn to animate your own project; Build their dream computer in presentation form and present to the class; Learn to disassemble and reassemble a computer.

**HTC - Taste of Tech – FALL AND SPRING SEMESTER**

**PREREQUISITE:** See Counseling office for application *

**GRADE:** 11, 12  
**LENGTH:** 2 Semesters, S1 and S2  
**MEETS REQUIREMENT FOR:**  
**OUT OF CLASS WORK:**  
**FEE:** None

Taste of Tech is a class that is designed to help students explore different Career and Technical careers. Students who take this class will be exposed to all of the Pathways courses that are taught at the times mentioned above for a two-week period. This class is open for students to enroll at any time throughout the semester. **While the students are exposed to the Pathways courses, they will focus their learning on:** Career investigation; Job outlook; Salary potential; Industry specific safety; Tools and techniques; Industry specific project.
Notes