

**EAGAN HIGH SCHOOL
REGISTRATION GUIDE
2024-2025**

EAGAN HIGH SCHOOL
Independent School District 196

**Student
Registration Guide
2024-2025**

It is the policy of Independent School District 196 that all students will have equal opportunity to participate in course offerings, counseling services, cocurricular activities, and use of school facilities.

EAGAN HIGH SCHOOL

4185 Braddock Trail
Eagan, MN 55123

Administration

Dr. Polly Reikowski, Principal
Dr. Peter Zak, Assistant Principal
Ms. Sandra Setter, Athletic Director and Assistant Principal
Dr. Tara Hedlund, Assistant Principal / Administrative Assistant
Mr. Steve Thompson, Assistant Principal / Administrative Assistant
Mr. Stacy Jameson, Administrative Assistant

Board of Education

Art Coulson
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Ms. Mary Kreger, Superintendent

“Educating, developing, and inspiring our students for lifelong success”

SPECIAL MESSAGE TO STUDENTS AND PARENTS/GUARDIANS

January 2024

Dear Eagan High School Student and Parent(s)/Guardian(s),

Congratulations! You are among the most fortunate students in the state of Minnesota: **You are an Eagan High School Wildcat!** Because of this, you will have an opportunity to choose from a wide variety of excellent courses taught by some of the best teachers in the state at one of its finest award winning high schools. We build relationships with students and connect with student learning face-to-face and support learning in person every day. Eagan High School was specifically designed to utilize technology to enhance education. Our courses help you learn *about* technology, *with* technology, making EHS a much studied and frequently copied model for schools of the future. We are a leading school in ACT and MCA test scores, Advanced Placement scores and College in the Schools success with University of Minnesota credits. The highest high school rankings have been awarded to EHS through The US Department of Education, Newsweek, U.S. News and the Washington Post.

As an EHS student, you assume the responsibility of designing your personal plan of study by choosing your courses wisely. The important first step in registering for your EHS classes for the 2024-25 school year is to go to www.ehs.district196.org and click on **Academics** then go to **Online Registration** and **Registration Guide**. Please take the time to carefully read through the course descriptions. It is a good idea to discuss your options with your parent/guardian so they reflect your long-range educational, vocational and personal goals. Please consider the Honors Designation qualifications, and the Honors, Advanced Placement and College in the Schools courses, as well as a STEM or Humanities Pathway as referenced in the guide. The diversity of the EHS curriculum offers you a great amount of flexibility in pursuing your personal goals and plan for the future.

Once you have made your preliminary course selections, we suggest you follow-up with your Counselor to make sure your plan meets the state's graduation requirements, as well as your own personal goals. It's important you know that we sincerely care about you and your success during and after your career at Eagan High School. We strive to give each student our time and attention in order to ensure an excellent academic year and a strong pathway to the future. We believe in you!

We make critical decisions about next year's faculty placement, room utilization, and funding allocations based on your registration. So please, take extra care to choose wisely!

If you have questions about the registration process, please contact one of our principals or your counselor at 651-683-6921. Please join us, the principals, faculty and staff of Eagan High School -- Minnesota's most successful student-centered and technology-enhanced high school -- to make this your *best* school year ever! We love welcoming you as a Wildcat if you are new to Eagan High School and welcoming back our returning students!

Sincerely,



Dr. Polly Reikowski
Principal, Eagan High School
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(651) 683-6902 (w)

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REGISTRATION INFORMATION

This Student Registration Guide is designed to provide students and their parents with an easy-to-use planning tool for making next year's course selections at Eagan High School. In order to select a good school program, students need to consider their individual abilities, aptitudes, interests, academic strengths and weaknesses, future career goals and District 196 graduation requirements. Students parents, counselors, and classroom teachers are excellent resources for information and advice. In addition, important items of information are summarized on the following pages.

Eagan High School Learning and Goals

To carry out our mission, **Eagan High School** will provide educational programs for each learner to:

Acquire Thinking Skills

- Use spoken language effectively
- Organize one's thoughts in speech and writing
- Understand another person's thoughts through listening and reading
- Understand and apply mathematical concepts
- Use problem-solving techniques effectively in making decisions
- Think and perform creatively

Acquire Understanding of Self, Others, and the World

- Recognize one's own unique potential and worth
- Experience individual fulfillment and success
- Develop a personal philosophy
- Relate to others effectively
- Respect diversities among individuals
- Develop self-discipline and responsible participation with others
- Be aware of the past
- Apply accumulated knowledge
- Interpret and appreciate a wide variety of aesthetic and practical art forms
- Anticipate and adapt to a changing environment

Acquire Everyday Living Skills

- Develop and maintain mental and physical well-being
- Manage personal resources and make informed consumer decisions
- Understand and use information and communication technology effectively
- Explore careers consistent with personal interest, values, aptitudes, and opportunities
- Use non-vocational time creatively and constructively
- Develop an awareness, need, and desire for lifelong learning

STUDENT REGISTRATION AND SCHEDULING STEPS

There are two major steps for students in planning for next year's program of studies:

(1) registration and (2) scheduling. During January, EHS Registration information for the following year will be distributed. Students then register for courses; that is, they select their programs of study for the next school year. Based on student registration data, the school principal will determine courses/sections to be offered, staff needed, and a master schedule of classes for the next year. Therefore, students should register with care and after consultation with parents.

After students' **registration** plans have been approved by parents and counselors, we **schedule** classes for students for the fall, winter, and spring trimesters.

Student Registration and Scheduling Calendar

January/ February	Students in grade 8 at a Middle School and grades 9-11 at EHS register online for courses at EHS for the next academic year.
February/ March	Principal identifies the exact number of teachers that will be required to provide requested classes for EHS students.
March/ April	The master schedule of classes is built, using registration requests from students and teachers selected to teach at EHS.
April/May	Student registration requests are computer loaded into the master schedule.

Graduation Requirements

To be eligible for graduation, a student must have earned a total of 66 credits (minimum) in grades 9 through 12. It is possible to earn 84 credits during your four years at EHS. Many students accumulate far more than the minimum number of credits during their high school studies. All students are encouraged to select more than the minimum of required courses to take advantage of the broad scope of course offerings available.

There are 7 periods each day in a 12 week trimester. For each course passed, students earn 1 credit. If a student passes 7 courses each trimester, he/she will have earned 21 credits for the year.

$$7 \text{ credits} \times 3 \text{ trimesters} = 21 \text{ credits earned that year}$$

Note: Some courses meet for more than one class period and are worth more credit. These exceptions are noted in department course descriptions. The number of courses taken each year will depend upon student individual needs and interests. *In no instance shall a student be enrolled for fewer than 5 credits each trimester in Grades 11 and 12. Students in Grade 9 and 10 must be enrolled for a minimum of 6 credits each trimester. (Students may enroll in study halls for no credit)*

On the following page are the general registration requirements for each grade. *For grades 9-12, the minimum graduation requirements include: 26 courses required by title; 17 courses required by department (courses selected by student from specified department's offerings); 23 course electives (courses selected by student from any department's offerings).* **For complete information about graduation requirements, students must read each department section. In some instances, special exemptions to the general requirements are noted.**

District 196 and EHS Graduation Requirements

Course Requirements – Classes of 2025, 2026, 2027

Complete 66 required and elective credits:

- English - 4 years (12 credits)
- Social Studies- 4 years (12 credits) — including Economics in grade 12
- Science - 3 years (9 credits) — including biology and chemistry/physics
- Math - 3 years (9 credits) – including Algebra II
- Health - 2 credits (Issues I and Issues II)
- Phy Ed - 4 credits
- Safety Ed - 1 credit (Driver’s Training and CPR/AED)
- Arts - 1 credit in Visual Arts, Performing Arts, Interior Design, Intro to Graphics & Video, Architecture & Landscaping, Marketing B-Advertising, Creative Writing Electives - 16 credits (**not more than 12 in Music or Work Experience**)

In addition to the above:

- No more than 12 credits in Music (Band and /or Choir) may be counted toward graduation.
- No more than 12 credits in “on-the-job” work programs may be counted towards graduation.
- If you are considering “Early Graduation”... see your counselor soon to start planning.
- Safety Education: Students will receive a waiver if they can document a Driver’s Permit.

Course Requirements – Class of 2028

Complete 66 required and elective credits:

- English - 4 years (12 credits)
- Social Studies- 4 years (12 credits) — including Economics in grade 12
- Science - 3 years (9 credits) — including biology and chemistry/physics
- Math - 3 years (9 credits) – including Algebra II
- Health - 2 credits (Issues I and Issues II)
- Phy Ed - 3 credits
- Safety Ed - 1 credit (Driver’s Training and CPR/AED)
- Arts - 3 credits in Visual Arts, Performing Arts, Interior Design, Intro to Graphics & Video, Architecture & Landscaping, Marketing B-Advertising, Creative Writing Electives - 14 credits (**not more than 12 in Music or Work Experience**)

In addition to the above:

- No more than 12 credits in Music (Band and /or Choir) may be counted toward graduation.
- No more than 12 credits in “on-the-job” work programs may be counted towards graduation.
- If you are considering “Early Graduation”... see your counselor soon to start planning.
- Safety Education: Students will receive a waiver if they can document a Driver’s Permit.

NOTE: Adjustments to the graduation requirements may be made in response to changes in state and federal laws.

Minnesota Graduation Assessment Requirements

In order to be eligible for a diploma from any Minnesota public high school, all students must fulfill graduation assessment requirements in writing, reading and mathematics. The requirements are different upon the date they first entered grade 8. To view the specific requirements for students please visit the Minnesota Department of Education website at <http://education.state.mn.us/MDE/SchSup/TestAdmin/MNTests>

The EHS Comprehensive Curriculum

Eagan High School offers over 500 different courses in 12 subject areas, along with a full range of special education courses and work program alternatives. Many of these courses are designed to meet the needs of students across a broad range of abilities, interests, and post-high school aspirations. However, certain courses focus on special needs of students.

Esoteric courses are offered across the curriculum to meet the special needs of exceptional students interested in testing and extending their personal and intellectual limits in the classroom. Students can choose from a variety of demanding offerings in each department, including different **Advanced Placement courses** which not only stretch the limits, as indicated above, but offer college-bound students the opportunity to earn college credit while in high school. The AP examinations are optional for students and are administered through the nonprofit College Board for a student-paid fee. Additional opportunities are available for the exceptional students and include such courses as the Mentor Program, College in the Schools, and the cooperative programs with local colleges and universities. AP classes are college-level classes, not college prep classes. Each department has separate application and selection criteria.

Advanced program offerings can be found in most departments. In each case, the design of the course is outlined in the course description, along with a note identifying that the course is geared for the high performing, college-bound student.

Non-college bound students will find courses offered throughout the curriculum that are designed to provide them with a liberal exposure to academics and experiences in a variety of subject areas, along with opportunities that provide a focus on a vocational interest/skill.

The Special Education/Work Programs, provide a continuum of services for students having academic, social, emotional, or psychological difficulties which may interfere with the schooling experience.

"DISTRICT 196 TEACHES STUDENTS HUMAN SEXUALITY CURRICULUM AND HIV/AIDS PREVENTION CURRICULUM. COURSE DESCRIPTIONS IN THIS CATALOG IDENTIFY WHERE THIS CURRICULUM IS TAUGHT. IF YOU WOULD LIKE SPECIFIC INFORMATION ABOUT WHAT IS TAUGHT IN THESE AREAS, PLEASE CONTACT YOUR SCHOOL PRINCIPAL. PARENTS WHO ARE UNCOMFORTABLE WITH THE CURRICULUM AFTER TALKING WITH THE PRINCIPAL MAY WITHHOLD THEIR STUDENT FROM SPECIFIC CLASS SESSIONS IN WHICH THESE CURRICULA ARE TAUGHT."

College-Bound Students

College entrance requirements vary. Some institutions of higher learning require many selective courses while others will accept students with a high school diploma. For this reason, college-bound students should make contact with school counselors to become familiar with the entrance requirements of their chosen colleges. The specific college catalog should be read for complete information.

Most colleges in Minnesota require that students be in the upper half of their graduating class and perform satisfactorily on an entrance exam such as the American College Test (ACT), or Scholastic Aptitude Test (SAT). **Colleges look with favor upon the student who has earned better than average grades, but who has also taken college preparatory subjects and has been involved in cocurricular activities.**

As a general rule, college-bound students should take at least 3 years of math (through higher algebra) and 3 years of science (such as chemistry and physics) after Grade 9. Students planning to pursue courses in engineering, architecture, or any of the scientific fields should complete courses in algebra, geometry, higher algebra, and precalculus. Chemistry and physics are frequently considered essential. Students are strongly encouraged to enroll in upper-level English courses, and 2-4 years of world languages for college preparation.

Vocation-Bound Students

For those students who are planning a specific career immediately after high school, the courses selected should be chosen with vocational preparation in mind. Courses should be chosen to give students a broad base of preparation for the future. Therefore, vocation-bound students should select a variety of subjects.

Good grades are important to students, in addition to the development of a good general school record. The importance of positive attitudes about school, as well as good study habits, should not be underestimated. Prospective employers are very interested in applicants' records of absences, tardiness, and effort in school work. In addition prospective employers are also impressed by student involvement in a variety of co-curricular program offerings while in high school.

Post-high school training opportunities should be explored by vocation-bound students. Technological advances have increased the need for specialists in many fields. Therefore, students should strongly consider attending a business, trade, or technical school after high school. The Dakota County Technical College Center offers post-high school training in many fields to students. Many students plan to further their education in the military. Students who plan to attend a technical school while in the Armed Forces should plan their high school courses accordingly.

A good mathematics background (at least algebra and geometry) is required for post-high school vocational school and Armed Forces training in such fields as drafting, electronics, construction, and machine trades. Business, technical, and trade schools are emphasizing the importance of good communication skills in reading, writing, speaking, and listening. Employers often hire applicants with certain expectations about their potential for future advancement. Therefore, it is most important that vocation-bound students plan their high school courses with care.

Grade/Pass Option

Students may take a total of 3 credits each year (**limit of 1 per trimester**) on a "Grade/Pass Option" basis, regardless of whether they are taking 5, 6, or 7 subjects per trimester. This option is to encourage students to explore interests in a subject in which they may not be willing to risk receiving a low grade.

Procedure: Students must apply within the first 30 school days of the trimester. Written permission of parents is required. An application form is available on line. "Grade/Pass Option" students will take all tests, turn in all regular class work, and receive marks along with the other students. The final mark will be a "Pass" if the student completes all work at the passing level. The final mark will be "No-Credit" if the student does **not** do passing work. A credit toward graduation will be granted for a "Pass" mark. No credit toward graduation will be granted for a "No-Credit" mark. Subjects taken on the "Grade/Pass Option" basis will **not** be averaged into a student's G.P.A. or honor roll standing. Students may convert the "P" grade into the appropriate letter grade if desired.

Failures and Incompletes

When a student is having academic difficulty in a class, the teacher should be consulted for assistance. We also suggest that students inform his/her counselor of the problem, especially if grades in more than one class are being affected.

Students who fail a required class should see their counselor without delay to make arrangements for completing the course in an alternative manner. *Failure to make up required courses will jeopardize a student's graduation.* The advice of the school counselor must be sought in deciding which classes are to be repeated and where substitute credits are acceptable.

Incomplete grades are assigned at the discretion of the teacher to those students who have not successfully completed required class assignments/expectations during the trimester. This is usually as a result of medical complications. When students receive an "incomplete" grade they should see their teacher as soon as possible to arrange for needed make up work and hand it in on time. **The deadline for making up an Incomplete grade is at the end of 15 school days into the next trimester.** *Incomplete grades that are not made up will result in a grade of F for the course and loss of credit.*

Independent Study

Qualifying students in 11th and 12th grades may register for an Independent Study which will provide an opportunity for an in depth study of a selected interest area. Independent Study courses may only be taken for a "P"-pass. In order to qualify, students must:

1. Complete all prerequisite background courses.
2. Demonstrate mastery of related skills and technical information.
3. Possess unusual interest in the Independent Study subject.
4. Have a well-established record of self-motivation, self-discipline and exemplary leadership.

Graduation and Honors Recognition

Class rank or percentile will only be reported directly to the college/scholarship in the rare event that it must be reported in order for the student to be considered. Other than those unique circumstances, class rank information will not be available to colleges, scholarships, students or families.

Students recognition at Graduation

90th Percentile: Summa Cum Laude

80th Percentile: Magna Cum Laude

70th Percentile: Cum Laude

Honors Status – Graduation with Honors

To qualify for additional Honors Status designation at graduation, student must:

Complete at least 24 trimester courses of Advanced Placement (AP), College In The Schools, or Honors courses throughout grades 9-12. Students must successfully complete each course with a grade of C or better. The Grade/Pass Option of “P” will not count as honors course.

*Students’ official transcripts reflect courses taken and grades earned only. All honors recognition takes place at Graduation.

Honors Criteria: Courses that apply

ENGLISH	MATH	SOCIAL STUDIES	SCIENCE	WORLD LANGUAGES & ARTS
Honors English A, B, C, (9)	Honors Geometry A, B, C	Honors Civics A, B, C (9)	Honors Physical Earth Science A, B, C (9)	CIS: French (12)
Honors 10: American Dream Honors 10: The Amer. Experience Honors Speech (10)	Honors Algebra II A, B, C	AP: US History A, B, C (10)	Honors Biology A, B, C (10)	CIS: Spanish (12)
AP: Language A,B,C (11)	AP: Pre-Calculus A, B, C	AP: European History A, B, C (11)	Honors Chemistry A, B, C (11)	CIS: German (12)
AP: Literature A, B, C (12)	AP: Statistics A, B, C		AP Physics A, B, C (12)	
CIS: Literature (12) CIS: Writing (12) CIS: Lit/Writing (12)	AP: Calculus A, B, C	AP: Psychology A, B, C	AP: Chemistry A, B, C (12)	AP: Art Portfolio
CIS: Public Speaking (11-12)	Multi-Variable Calculus A, B, C	AP: Economics A, B, C	AP: Biology A, B, C (12)	
	AP: Computer Science A, B, C	Developmental Psych A, B, C	CIS: Human Physiology A, B, C (11-12)	
	UMTYMP (U of MN)	AP: World History Modern A, B, C	CIS: Animal Science (SES) A, B, C	

THE CRITICAL ELEMENTS TO COLLEGE ADMISSION WILL CONTINUE TO BE: (Beyond GPA)

- The challenging courses taken by the student
- College Entrance Examination Scores (students who challenge themselves get higher test scores!)
- Co-curricular activity participation
- Participation in activities outside of school including service activities
- Special talents
- College Application/Essay
- Letters of Recommendation
- Interview
- Reputation of a student’s high school (Eagan High School’s reputation is very strong)
- Other (cultural and geographical diversity, family alumni, etc.)

EHS CO-CURRICULAR ACTIVITIES

District 196 believes the co-curricular programs of its schools play a substantial and important role in providing successful and meaningful educational experiences for students. In addition to a comprehensive list of courses, Eagan High School offers a wide variety of school activities to meet students' interests and needs. These co-curricular activities provide at least 5 educational benefits for students:

1. They promote cognitive, affective, and psycho-motor growth and development.
2. They are well-guided activities which utilize student time in an excellent educational environment.
3. They provide opportunities for students to make new friends, learn about others and grow in understanding.
4. They promote good self-concept, inclusivity, positive school attitudes, and better school academic achievements.
5. They offer students the chance to explore and develop their talents and abilities.

We suggest that all students participate in at least one or more co-curricular activities during the school year. Listed below are the co-curricular activities offered at Eagan High School.

Fine and Performing Arts and Student Activities

Academic Quiz Bowl and Knowledge Bowl Business Professionals of America Debate: Policy, Value, Public Forum and Congressional Speech Team National Honor Society National Art Honor Society Unified Club Video Production Team S.A.D.D. (Students Against Destructive Decisions) Vocal Music Specialty Groups: <i>(must be enrolled in Vocal Music)</i> <ul style="list-style-type: none"> •Chamber Singers •Caché •B Natural •VOX •Freshman Select •Super Group National Business Honor Society Instrumental Music Specialty Groups <i>(must be enrolled in Instrumental Music)</i> <ul style="list-style-type: none"> •Jazz Ensembles •Instrument-Based Ensembles •Pep Bands 	Theatre Productions – Plays, One Act, Musicals Newspaper: Eagan Independent Math League Team Student Council Interact Club Dungeons & Dragons Club German Club Spanish Club French Club FIRST Robotics Team: FTC and FRC Student Ambassadors HAC – High School Students Against Cancer Chess Team Spectrum Political Discussion Club Recycling/Environmental Green Club Fashion Club Creative Writing Club Youth in Government Lit Wits: Book Club Orchestra Club Byte Back	EHS Hiking Club National Speech and Debate Assn. Yearbook Science Olympiad LINK Crew World Language Honor Society Board Game Club Technical Theatre Womens Empowerment Club Prom Committee Women in STEM Club Here and Now Club Research Club E-Sports Club Black Student Union Asian Culture Club HOSA-Future Health Professionals UNICEF Club Climbing Club DSU-Desi Student Union MSU-Muslim Student Association Stich Wit
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Athletic Activities

Fall	Winter	Spring
Cross Country (Boys & Girls) Football (Boys) Soccer (Boys & Girls) Swimming (Girls) Tennis (Girls) Volleyball (Girls) Fall Performance Dance Adapted Soccer (Boys & Girls) Sideline Cheer	Basketball (Boys & Girls) Figure Skating Gymnastics (Girls) Ice Hockey (Boys & Girls) Swimming (Boys) Wrestling (Boys & Girls) Alpine Skiing (Boys & Girls) Nordic Ski (Boys & Girls) Intramural Basketball (Boys & Girls) Dance Team: Competition Competition Cheer Team Adapted Hockey (Boys & Girls)	Baseball (Boys) Golf (Boys & Girls) Softball (Girls) Tennis (Boys) Track (Boys & Girls) Lacrosse (Boys & Girls) Adapted Softball(Boys & Girls) Athletic Clubs (Not in HS but can letter) <ul style="list-style-type: none"> - Equestrian - Rugby - Ultimate Frisbee - Trapshooting - Bowling - Mountain Biking - Volleyball (Boys)

HOW TO USE THIS GUIDE

Most of this guide consists of course descriptions. Listed below are notes about these course descriptions.

1. The courses are organized by departments, in alphabetical order, beginning with Art courses. The page numbers for the departments are listed in the Table of Contents.
2. The format in which courses are listed was designed to make the selection of courses easier for students and their parents. Departments list courses under the following headings:

Courses Offered to Students in Grades 9, 10, 11, and 12. These include courses first open to 9th grade students, as indicated by course numbers that end in digits 01-25. That is, this group of courses are generally considered to be grade 9 level courses that, in most cases, are also available to students in grades 10, 11, and 12.

Courses Offered Only to Students in Grades 10, 11, and 12. These include courses first open to 10th grade students, as indicated by course numbers that end in digits 26-50. That is, this group of courses are generally considered to be grade 10 level courses that, in most cases, are also available to students in grades 11 and 12.

Courses Offered Only to Students in Grades 11 and 12. These include courses first open to 11th grade students, as indicated by course numbers that end in digits 51-75. That is, this group of courses are generally considered to be grade 11 courses that, in most cases, are also available to students in grade 12.

Courses Offered Only to Students in Grade 12. These include courses first open to 12th grade students, as indicated by course numbers that end in digits 76-99. That is, this group of courses are generally considered to be grade 12 level courses.

Thus, students in grade 9 will find courses open to their grade level listed in one section. Students in grade 10 could choose courses from two sections; students in grade 11 from three sections; and students in grade 12 from all four sections.

3. Each course has its own number, is one trimester (12 weeks) in length, meets during one class period daily (unless otherwise stated), and is worth one credit (unless otherwise stated in the course description).
4. The time of year that each course will be offered is not listed. This will be determined after students have made their course selections for the following year. In this manner, the schedule of classes can be designed to meet students' needs and interests.
5. The grade levels for each course are listed, as well as any prerequisites (requirements needed before the student enrolls in the course).
6. Although each course is 1 trimester in length, some courses are intended to last the full year. These year-long courses are noted in the course description. If it is required that students sign up for all 3 trimesters, the 3 courses and course numbers are listed together. Students are *strongly encouraged* to sign up for all other courses offered in a year-long sequence.
7. Both the course title and the course number must be indicated by students on their registration sheets. Students may **not** enroll for the same course number and course title more than once (unless otherwise stated). If a course is listed again, with a different course number, it is considered a *separate* course and may be taken again by students if the grade level and prerequisite requirements are satisfied.
8. *The description for each course (see EHS Web Site) should be read carefully before course selections are made.* Additional information about any course is available from a classroom teacher in that department, the department coordinator, the school counselor, or school administrators.

CAREER DEVELOPMENT CLASSES

Our school district has developed a variety of highly academic instructional activities called “Career Development Classes”. These classes introduce students to a wide variety of course work that focuses on the skills necessary to be successful in various careers in the modern work place. Whether a student is college-bound or goes to the work force immediately after high school, these classes serve to introduce students to the careers of today and tomorrow. Please see the separate Career Development Registration Guide for more information about these programs. If you have questions, see your counselor.

7701.02.03:	College in the Schools: Animal Science	at SES
7707,08,09:	Zoos, Aquariums, and Small Animal Care: Animal Care ABC	at SES
7710,11,12:	Aviation and Ground School ABC	at EHS
7731,32,33:	Computer Hardware, Software & Game Design ABC	at RHS
7734,35,36:	Computer Networking and Cybersecurity	at RHS
7746:	Emergency Services: Emergency Medical Services A	at RHS
7747:	Emergency Services: Law Enforcement B	at RHS
7748:	Emergency Services: Fire Fighting C	at RHS
7749:	Advanced Emergency Services C	at RHS
7750,51,52:	Forensic Science ABC	at RHS
7753,54,55:	Advanced Forensic Science ABC	at RHS
7756:	Hospitality Management A: Planning/Management	at EHS
7757:	Hospitality Management B: Travel/Tourism	at EHS
7758:	Hospitality Management C: Restaurant/Lodging	at EHS
7759.60.61	Advanced Hospitality Management	at EHS
7762,63,64:	Medical and Health Care ABC	at RHS
7765,66,67:	Advanced Medical and Health Care ABC	at RHS
7768,69,70:	Music Production 1 ABC	at SES
7771,72,73:	Music Production 2 ABC	at SES
7774,75,76:	Vehicle Services ABC	at RHS
7777,78,79:	Advanced Vehicle Services ABC	at RHS
7743	Certified Nursing Assistant A (Fall) – 1 Tri	RHS/AV
7744	Certified Nursing Assistant B (Winter) – 1 Tri	RHS/AV
7745	Certified Nursing Assistant C (Spring) – 1 Tri	RHS/AV

District 196 does not discriminate in employment or in any of its programs and activities, including vocational opportunities, on the basis of race, color, creed, religion, national origin, sex, marital status, status with regard to public assistance, familial status, membership or activity in a local human rights commission, disability, sexual orientation, age or genetic information. District 196 provides equal access to designated youth groups. The Director of Human Resources (651-423-7859) has been designated to respond to employment-related inquiries regarding the non-discrimination policies. The Director of Elementary Education (651-423-7782) and the Director of Secondary Education (651-423-7712) have been designated to respond to student-related inquiries regarding the non-discrimination policies. The Director of Special Education (651-423-7629) has been designated to respond to inquiries concerning the rights of a student with a disability. The mailing address for all directors is 3455 153rd Street W, Rosemount, MN 55068.

District 196 will take steps to assure that English language skills will not be a barrier to admission and participation in vocational programs. If you speak another language and have questions, please contact the District 196 Integration - Equity Coordinator at (651-423-7914).

School of Environmental Studies

The School of Environmental Studies (SES) is part of the award-winning Rosemount-Apple Valley-Eagan Public Schools, which provides boundless opportunities and infinite possibilities for students to learn and grow. SES is a magnet school for 11th and 12th graders, partnered with the Minnesota Zoo, that is committed to giving students a rigorous academic experience centered around understanding our environment in a dynamic way:

- We use an interdisciplinary model to present students with different themes which focus on the systems of nature and human interactions with them.
- We emphasize collaborating with others, learning to listen, and creating solutions that consider a variety of perspectives.
- We are committed to cultivating curiosity and independence in students.
- Students have opportunities to learn through more traditional means, however, we believe the depth of learning is enhanced when students are able to get out of the classroom and have experiences in our environment.

Thematic Studies

Students spend half their day, every day, in their Thematic Studies course (House), where they earn three credits (language arts, social studies, and environmental studies) through an integrated, interdisciplinary curriculum. The other half of their day is spent participating in two 88-minute periods, called blocks, in non-house courses that meet every other day. The school days are designated as *Sky* and *Earth* to help keep track of the every other day schedule. Below are examples of possible student schedules.

Earth Sky Courses

The other half of their day is spent participating in two 87-minute periods, called blocks. These *Non-House Courses* fit into two categories: *Earth-Sky Courses* and *Career Development Courses*. Additionally, students can take elective courses, not offered at SES, at their *Home High School*, which is either AVHS, EHS, EVHS, RHS, based on district boundaries. *Students that do not live within the ISD 196 boundaries will be randomly assigned to one of the four high schools.*

Example of a full time SES schedule

	Earth Day	Sky Day
Block 1	AVID 11	AP Psych
Block 2	Algebra II	Chemistry
Block 3	Thematic Studies (House)	Thematic Studies (House)
Block 4		

Career Development Courses

These courses meet for 87-minutes EVERY day and are therefore worth two credits per trimester, rather than the single credit earned by an Earth-Sky course. These courses are open to students at SES and throughout district 196. At SES we host Career Development Courses in the areas of Animal Sciences, Forensic Science, Medical and Health Care: Certified Nursing Assistant, and Music Production.

Example of SES and career development schedule

	Earth Day	Sky Day
Block 1	Thematic Studies (House)	Thematic Studies (House)
Block 2		
Block 3	Chemistry	Algebra II
Block 4	Music Production	Music Production

Home High School Courses

These courses meet for 45-50 minutes EVERY day at one of the four 9-12 district high schools - AVHS, EHS, EVHS, RHS - and each successful trimester earns one credit towards graduation. Students choosing to take one of these courses - such as band, choir, or Japanese - are responsible for providing their own transportation to the other high school during the school day to attend the class. They will be given a short study hall and drive time in their schedule and we will do our best to help create student carpools for those needing transportation.

Example of SES schedule with home high school classes

	Earth Day	Sky Day
Block 1	Thematic Studies (House)	Thematic Studies (House)
Block 2		
Block 3	"Skinny" Study Hall / Drive Time	"Skinny" Study Hall / Drive Time
	Japanese at EVHS	Japanese at EVHS
Block 4	Honors PreCalc	Honors Chemistry

ART COURSES

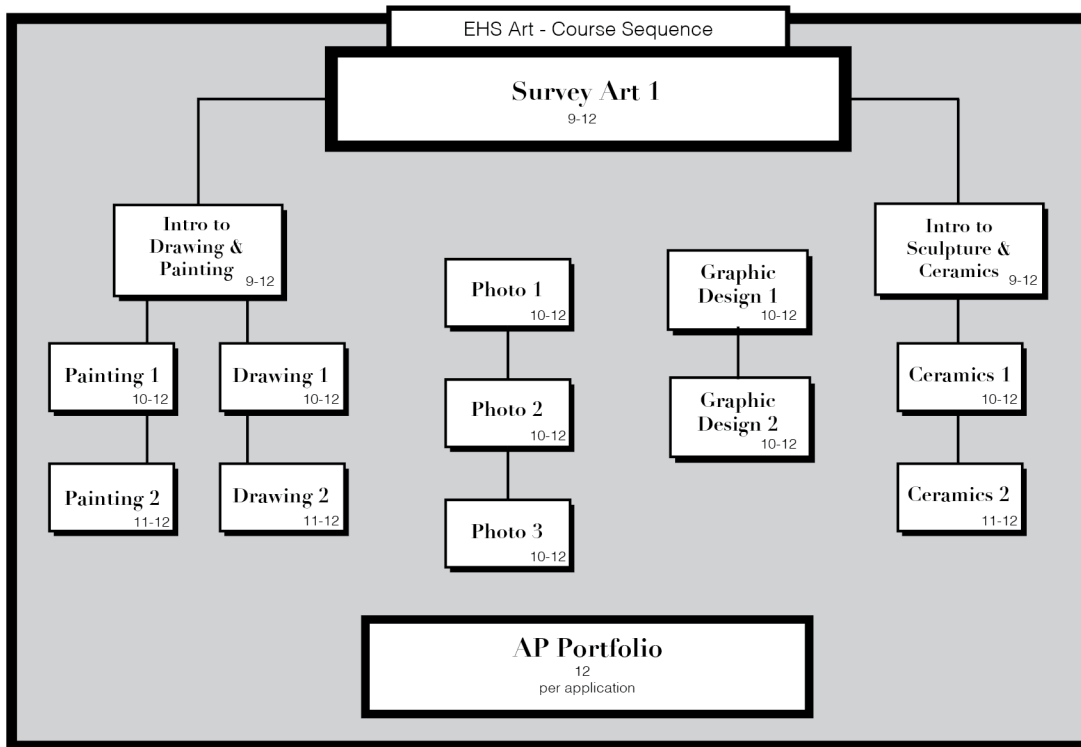
EAGAN HIGH SCHOOL ART DEPARTMENT
*- Nurturing Creative Solutions, Connecting Ideas to Visual Imagery
... and Having Fun! Let your mind wonder, wander and create.*

The EHS Art Department is dedicated to our students' creative experiences by exploring the following:

- Building and creating a vital relationship with the visual arts that assists our students in developing independent, critical thought.
- Helping our students to visually communicate in their own unique way, through creating works of art.
- Helping our students to critically analyze, interpret, and judge visual imagery in a rapidly changing world.
- Helping our students discover the opportunities and roles they can play in the visual arts.
- Helping our students understand that art is reflective of its times, cultures, and societies.

ALL CLASSES IN THIS DEPARTMENT MEET THE MINNESOTA ARTS STANDARD REQUIRED FOR GRADUATION

Please view the course sequence and following descriptions to see the needed prerequisite(s) courses and grade levels for each class.



COURSES FIRST OFFERED TO STUDENTS IN GRADE 9

0101 Survey Art I Grades 9, 10, 11, 12
Prerequisite: None

Survey Art I is required of all students entering the high school Visual Arts Program for the first time. As a foundation course for the art program, it is recommended for the student with either a general or in-depth interest in the visual arts. Students will explore the concepts of design with emphasis on the development of technical skills, good composition and craftsmanship. Emphasis is placed on creative design problem solving, exploration of student artistic interest, and understanding design.

0102 Intro to Drawing and Painting Grades 9, 10, 11, 12
Prerequisite: Survey Art I

Intro to Drawing and Painting is required of all art students preparing to enroll in Drawing and Painting. Emphasis is placed on the development and application of technical and compositional skills through two-dimensional art experiences including drawing, painting, and the history of art.

0103 Intro to Sculpture and Ceramics Grades 9, 10, 11, 12
Prerequisite: Survey Art I

Intro to Sculpture and Ceramics is required of all art students preparing to enroll in Ceramics. Emphasis is placed on the application of design to three-dimensional art forms such as ceramics, additive and subtractive sculpture and basic jewelry.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

0125 Ceramics I Grades 10, 11, 12
Prerequisite: Survey Art I and Intro to Sculpture and Ceramics

Ceramics offers an in-depth opportunity to explore clay as a creative and expressive medium from hand-built to wheel thrown vessels. The course emphasizes creative and personal solutions to bringing vessels' function and visual quality together. We suggest a donation to help with the cost of materials.

0126 Painting I Grades 10, 11, 12
Prerequisite: Survey Art I and Intro to Drawing and Painting

In this course the techniques and materials of acrylic painting will be studied. Emphasis will be placed on learning a variety of painting skills and styles. Subject matter will vary as the student is also introduced to paintings from both the past and present. We suggest a donation to help with the cost of materials.

0127 Drawing I Grades 10, 11, 12
Prerequisite: Survey Art I and Intro to Drawing and Painting

This course will explore a variety of styles and techniques of drawing through both observational and imaginative drawings. A wide range of subject matter such as the human figure and portraiture, architectural perspectives, still lifes, and the creative mind will be used. Media used may include pencil, pen, pastels and charcoal. Students will also study great drawings from both past and present. We suggest a donation to help with the cost of materials.

0129 Graphic Design I Grades 10, 11, 12

Graphic Design I is designed around a real world job experience. This course will emphasize graphic layout, type and design work as well as illustration. Art work will be followed from the conceptualization of the idea through the production process. This course is focused on/around the computer programs Adobe Illustrator and Adobe Photoshop. The course will also explore career possibilities in the art world. We suggest a donation to help with the cost of materials.

0130 Graphic Design II

Grades 10, 11, 12

Prerequisite: Graphic Design I

This course will be an extension of Graphic Design I. Greater emphasis will be placed upon independent study of graphic illustration, image-generated techniques through computers, preproduction activities, the production process and the finishing process of the work. It meets the needs of the students that have a strong interest in art but are not as confident in their ability of the fine arts. The art forms that the students will be making will reflect the craft side of visual arts. We suggest a donation to help with the cost of materials.

0147 Photography I, Art

Grades 10, 11, 12

This lab class is designed for students with strong organizational skills and the ability to work independently. Students will explore basic photographic techniques in photography. Students will also learn basic techniques used in the program Adobe Photoshop. Units covered include: the history of photography, camera design and operation, print processing and basic composition. This course emphasizes photography as art, as well as a technical process. We suggest a donation to help with the cost of materials. Students are NOT required to purchase a camera.

0148 Photography II, Art

Grades 10, 11, 12

Prerequisite: Photography I

In this second level exploratory course students will be introduced to the manual adjustment of a 35 mm single reflex camera to achieve specific artistic and technical effects. We will also explore new techniques with the digital camera. Units covered may include: qualities of light, studio lighting, night photography, formal and informal portraiture, print controls, creative darkroom techniques. We suggest a donation to help with the cost of materials. Students are NOT required to purchase a camera.

0149 Photography III, Art

Grades 10, 11, 12

Prerequisite: Photography II

This course is designed for the serious amateur photographer who wants to further explore the technical and artistic aspects of this craft. Units covered may include: filters, Lighting techniques, Photoshop techniques, commercial photography and creative darkroom, as well as individual areas of study. All students will be required to produce at least 10 photos that represent a chosen concentration. We suggest a donation to help with the cost of materials. Students are NOT required to purchase a camera.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 11 & 12

0153 Painting II

Grades 11, 12

Prerequisite: Survey Art I, Intro to Drawing & Painting, Painting I

Students will have the opportunity to build their techniques in acrylic painting, explore watercolor painting, and continue to develop their own painting styles. Subject matter will vary with the individual as the student continues to learn from historic and contemporary paintings. We suggest a donation to help with the cost of materials.

0154 Ceramics II

Grades 11, 12

Prerequisite: Survey Art I, Intro to Sculpture & Ceramics, Ceramics I

Students will explore diverse clay bodies and further techniques in wheel thrown objects, hand built objects, and experimental firings. We suggest a donation to help with the cost of materials.

0155 Drawing II

Grades 11, 12

Prerequisite: Survey Art I, Intro to Drawing & Painting, Drawing I

Students will continue to develop their techniques and styles in drawing. Some materials and subject matter will depend on the student's interest. We suggest a donation to help with the cost of materials.

0178 Drawing III

Grades 11, 12

Prerequisite: Survey Art I, Intro to Drawing & Painting, Drawing I, Drawing II

Students will concentrate on their choice of medium and subject matter. We suggest a donation to help with the cost of materials.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 12

0191 AP[®]: Portfolio A

Grade 12 only

0192 AP[®]: Portfolio B

Prerequisite: Art I, Photo I, AND at least 1 Advanced Art Class

0193 AP[®]: Portfolio C

Because of limited studio space, application for this course is required.

Advanced Placement Portfolio is for the serious minded art student. Using the rigorous curriculum set by the National College Board, the student will develop a portfolio of art work showing both breadth and depth through a collection of drawings, two-dimensional designs (including photography) or three-dimensional designs. Students must be prepared to register for all three trimesters for this course. We suggest a donation to help with the cost of materials.

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BUSINESS EDUCATION

Summary of Business Courses Offered at Eagan	Class Name/Grade Level Offered										
	Keyboarding/ Microsoft Office	IT Exploration	Introduction to Business	Start Your Own Business	Accounting	Personal Money Management	Marketing	Fashion Marketing	Sports and Entertainment Marketing	Yearbook	Note Taking / Study Skills
	9-12	10-12	9-12	11-12	10-12	10-12	10-12	10-12	10-12	10-12	9-12
Additional Credit and Standards											
All students attending EHS	X					X					X
All students planning on working full-time immediately after high school	X				X	X					X
All students planning on attending a 2- year college	X		X			X					X
All students planning on attending a 4- year college	X				X	X	X				X
Meets the Art Requirement											
							X			X	
Specific Business Related College Majors											
Entrepreneurship Major	X	X	X	X	X	X	X			X	
Accounting / Finance Major	X		X	X	X	X	X				
Fashion Major	X		X	X	X	X	X	X			
Marketing Major	X		X	X	X	X	X	X	X	X	
Sports Marketing Major	X		X	X	X	X	X		X		
International Business Major	X		X	X	X	X	X				
Business Administration / Management Major	X	X	X	X	X	X	X			X	
Hospitality and Tourism Major	X		X	X	X	X	X				
Information Tech/Computer Science	X	X	X	X	X		X			X	

We are in the "business" of preparing students for their future. Business courses are beneficial to ALL students.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 9

0201 Keyboarding A/Microsoft Office

Grades 9, 10, 11, 12
Prerequisite: None

Students successfully completing Keyboarding A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities

Keyboarding A includes instruction in the touch method on the alphabetic and numeric keyboard. Students will learn to format emails, letters and reports as they apply proofreading and correction techniques. Keyboarding A focuses on Microsoft Word & Excel. Keyboarding is a valuable skill for everyone, regardless of their future plans. Microsoft Excel has quickly become the primary tool used to record and analyze data. Knowledge of this powerful program is a must for math and science courses and is one of the most utilized tools in the business environment. Microsoft Excel will be emphasized throughout this course along with the integration of this tool with other programs. A basic understanding of computer hardware and components is included.

BUSINESS EDUCATION COURSES

0202 Keyboarding B/ Microsoft Office

Grades 9, 10, 11, 12
Prerequisite: Keyboarding A

Students successfully completing Keyboarding A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

Keyboarding B focuses on Microsoft Access and Power Point. Learn the tips and tricks in PowerPoint to impress every audience. The ability to understand and create databases is in high demand in today's businesses world. Students will utilize Microsoft Access to explore the world of maintaining, querying and reporting data. Utilize Adobe Photoshop to add pizzazz to any project. Recommended for all students who wish to truly understand the power of the software packages utilized in today's technology oriented business world.

0203 Keyboarding C /Advanced Microsoft Office

Grades 9, 10, 11, 12
Prerequisite: Keyboarding A & B

Students successfully completing Keyboarding A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

Keyboarding C integrates Microsoft Word, Excel, Powerpoint and Access. Students will advance their skill, learning more about each of the four software applications.

0210 Introduction to Business

Grades 9, 10, 11, 12
Prerequisite: None

This class will be an introduction to business ownership, principles of marketing, promotions, business ethics and business technology. Students will explore the basics of courses offered in the Business Department as they plan for future courses in their high school career.

0231 Notetaking/Study Skills Grades 9,10,11,12

Prerequisite: None

The recipe for learning is having desire, being aware of what you do, having the knowledge to do something about it, and then developing the tools and skills to be effective. This course is designed for students who want to learn efficient study skills for post-secondary or high school use. Emphasis will be placed on developing effective listening, time management, test taking skills, reading speed, vocabulary, notetaking, critical thinking, and writing.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

0232 Accounting A

Grades 10, 11, 12
Prerequisite: None

Students successfully completing Accounting A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

This is a "MUST-TAKE" class for all students who are planning to pursue a Business major in college or start their own business. Students will learn the complete accounting cycle for a service business organized as a proprietorship – everything from journalizing individual transactions using the double-entry method, posting to a general ledger, to the preparation of financial documents.

BUSINESS EDUCATION COURSES

0233 Accounting B

Grades 10, 11, 12
Prerequisite: Accounting A

Students successfully completing Accounting A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

Students will learn the accounting cycle for a merchandising business organized as a corporation – everything from journalizing purchases, posting to general and subsidiary ledgers, payroll, taxes, distribution of dividends, to the preparation of financial documents.

0234 Accounting C

Grades 10, 11, 12
Prerequisite: Accounting B

Students successfully completing Accounting A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

During the final phase of the Accounting course students will continue using a corporation as they explore asset depreciation, inventory, accrued revenue and expenses, and Statement of Stockholder's Equity.

0239 Marketing A--Sales and Promotion

Grades 10, 11, 12
Prerequisite: None

Students successfully completing Marketing A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

"Nothing happens in our economy until someone sells something--be it product, service, or idea!" Students will be introduced to business terminology. Emphasis will be placed on the proper steps of the selling process, ethics in selling, and career opportunities in sales and sales management. Preparation in basic selling is vital to anyone considering a career in business.

0240 Marketing B--Advertising and Display

Grades 10, 11, 12
Prerequisite: Marketing A

Students successfully completing Marketing A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

The areas to be covered in this course will include: the promotion mix, what makes a good advertisement successful; the setting up of effective displays, and an actual promotional plan for a product/service. Budgeting for profits, pricing strategies, marketing strategies, and an introduction to e-commerce will also be introduced. **THIS CLASS MEETS THE MINNESOTA ARTS STANDARD FOR GRADUATION**

0241 Marketing C--Operations

Grades 10, 11, 12
Prerequisite: Marketing A and B

Students successfully completing Marketing A-C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

Students will create a virtual business and explore career opportunities in Marketing and Sales by creating a detailed marketing plan. Students will study marketing, management, and the role of business in society. Students will also look at the personal qualities needed to succeed in business ownership.

BUSINESS EDUCATION COURSES

0242 Fashion Marketing A--An Introduction

Grades 10, 11, 12

Prerequisite: None

Students will explore fashion! Students will study garment history, terminology, fashion promotion and marketing trends and designers. Students will learn the basic fashion essentials and study various careers in the exciting fashion industry.

0245 Personal Money Management A

Grades 10, 11, 12

Prerequisite: None

Students will explore the importance of personal finance and planning for their future by exploring the following choices that they will face in their near future: Career planning, securing their first job, creating a personal budget, banking services, opening and maintaining a checking account, using credit “wisely,” and consumer protection laws.

0246 Personal Money Management B

Grades 10, 11, 12

Prerequisite: None

Students will continue their exploration of personal finance by investigating the following: Purchase of an automobile, housing (renting and owning), insurance (auto, home, and life), saving and investing (stocks, bonds, and mutual funds), and retirement planning.

0248 IT Exploration

Grades 10, 11, 12

Prerequisite: None

This introductory course will explore career opportunities in the growing field of Information Technology. Through hands-on activities, students will learn skills necessary in the areas of System Administration, Software Application, Information Security and Business Analytics. Computer Hardware, networks, programming, security and the use of MS Excel for analyzing data are all topics that will be introduced.

0249 Sports and Entertainment Marketing

Grades 10, 11, 12

Prerequisite: None

This class will allow students to investigate careers available in sports and entertainment marketing. It will cover market research techniques, advertising, publicity and new product development. Students will design a marketing plan for a new franchise of their choice.

0250 Start Your Own Business A

Grades 11, 12

Prerequisite: None

In Start Your Own Business A, students will create a business, product, or service to take advantage of current market opportunities and develop a plan to get the business up and running. From the creation of a business plan, to learning about the ins and outs of the American legal system, this course is designed to inform students of their rights and obligations as a business owner. Topics will include the process of creating a business plan, financing their startup, business law, ethics and values, and a basic discussion of Accounting for your company.

BUSINESS EDUCATION COURSES

0251 Start Your Own Business B

Grades 11, 12

Prerequisite: Start Your Own Business A

In Start Your Own Business B, students will develop an appreciation for marketing's pivotal role in the development and success of their new business. Students will conduct thorough market planning for their ventures: selecting target markets; conducting market, SWOT, and competitive analyses; forecasting sales; setting marketing goals and objectives; and setting a marketing budget. Students will then take their business, product, or service from Eagan and go international.

0264 Yearbook Fall

Grades 10, 11, 12

Prerequisite: None

Students will learn the appropriate method of yearbook design using curriculum provided by Jostens. Jostens YearTech online software will be utilized to create Eagan High School's yearbook, the **EHS Epilogue**. Students will be expected to be forward thinkers, meet deadlines, work collaboratively and be able to stay on task in an independent environment. Students will need to interview other students and attend school functions in order to accurately detail the school year. **THIS CLASS MEETS THE MINNESOTA ARTS STANDARD FOR GRADUATION**

0265 Yearbook Winter

Grades 10, 11, 12

Prerequisite: None

Students will continue to build Eagan High School's yearbook, the **EHS Epilogue**. During Yearbook Winter students will be completing the remaining three deadlines for our yearbook. Jostens YearTech online software will be utilized. Students will be expected to be forward thinkers, meet deadlines, work collaboratively and be able to stay on task in an independent environment. Students will need to interview other students and attend school functions in order to accurately detail the school year. **THIS CLASS MEETS THE MINNESOTA ARTS STANDARD FOR GRADUATION**

0266 Yearbook Spring

Grades 10, 11, 12

Prerequisite: Yearbook Fall or Winter and Teacher Permission

Students will continue to build Eagan High School's yearbook, the **EHS Epilogue**. During Yearbook Spring students will complete the spring supplement for our yearbook as well as plan for the next school year. Jostens YearTech online software will be utilized. Students will be expected to be forward thinkers, meet deadlines, work collaboratively and be able to stay on task in an independent environment. This class will not meet every day. Students will need to interview other students and attend school functions in order to accurately detail the school year.

0284 Eagan AM A

Grades 11, 12

0285 Eagan AM B

Prerequisite: Teacher Permission

0286 Eagan AM C

This course is designed to teach the fundamentals of reporting, shooting and lighting, scripting, editing and production of a television newscast. During the trimester students will learn how to use television news cameras, tripods, lights, and editing equipment. Beginning with the second week of the trimester, students will produce approximately 11 live newscasts each tri that air at Eagan High School and on local cable access. We encourage taking any of the following preparatory courses for application into Eagan AM: Pro Video Technology, Intro to Graphics and Video, CADD, Media Literacy, Speech Performance, and Advanced Public Speaking.
Projects: Live newscast produced weekly by students.

ENGLISH COURSES

The English Department provides a variety of course offerings in reading, writing, and speaking as well as in the study of literature, theater and media. Students must take three trimester credits each year in English courses.

Grade 9: The goals of freshman English are to review and strengthen the five language skills of reading, writing, speaking, listening, and thinking. Additionally, information literacy and critical evaluation of resources have been integrated into 9th grade. These establish the foundation for all subsequent English courses.

The 9th grade students must successfully complete three trimesters of English classes in either *English 9 or Honors English 9*.

To move into the Honors 10 courses from English 9, it is strongly recommended that the student earn all As in English 9 A, B and C. Students in Honors 9 wishing to take Honors 10 should maintain at least a B- average in Honors 9 A, B and C.

Grade 10: A student must take all three of the required courses for his or her sophomore year; however, a student may choose to take extra English electives as well.

Three Required Courses for Grade 10:

- Speech 10, or Honors Speech 10
- English 10: The American Dream, or Honors English 10: The American Dream
- English 10: The American Experience, or Honors English 10: The American Experience

Grade 11:

A student must take all three of the required courses for his or her junior year. Students may also choose to take elective classes in addition to the required courses.

English 11A, English 11B, and English 11C (3 credits)

OR

AP English Language A, B and C (3 credits)

Grade 12:

Three English credits are required. Seniors may choose three courses from the list of electives, unless they enroll in AP English Literature A, B, C, or CIS University Writing and CIS Literature.

List of Elective English Courses

<i>Writing Electives:</i>	Writing for College Creative Writing
<i>Literature Electives:</i>	Mythology Reading Seminar Science Fiction/Fantasy Literature The Struggle: Multicultural Literature and Contemporary Issues (grade 12 only)
<i>Media Electives:</i>	Film Study
<i>Speech Electives:</i>	CIS: Public Speaking

REQUIRED COURSES FOR STUDENTS IN GRADE 9

0304 <u>English 9A</u>	Grade 9
0305 <u>English 9B</u>	
0306 <u>English 9C</u>	

English 9 consists of general study designed to prepare most freshmen students for further experience in the area of language arts. The first trimester consists of units in writing, research, critical reading and studying literary aspects of short stories and novels. The second trimester deals with poetry and drama and may include research and exploration of the history of theatre. The final trimester covers the novel and mythology. Composition, vocabulary, and grammar will be reinforced in most units throughout the year. Note: This is a year-long course, and students must register for all three: A, B and C.

0307 <u>English 9A - Honors</u>	Grade 9
0308 <u>English 9B - Honors</u>	
0309 <u>English 9C - Honors</u>	

The Honors English 9 curriculum is designed to prepare students for continual language arts scholarship in honors and AP English courses throughout the high school career. The course moves at a quicker pace and digs more deeply into literary study of texts and writing techniques than the English 9 course. Under specific thematic units of inquiry, students will study literary techniques and devices and explore their practical applications. They will study novels, choice texts, conduct research, and take on personal and academic writing tasks. Note: This is a year-long course, and students must register for all three: A, B, and C. It is recommended that students maintain at least a B- in all three courses to register for Honors 10: Lit/Writing and Speech next year.

0310 <u>Academic Literacy A</u>	Grade 9
0311 <u>Academic Literacy B</u>	
0312 <u>Academic Literacy C</u>	

This course is not an English credit. This course is in addition to the required English classes. This class is for freshmen students who have been identified as needing reading intervention by the building literacy coordinator. The focus will be on intensifying vocabulary and accelerating reading comprehension via individual coaching. While striving to raise their reading level, students will discover new ways to read difficult texts. Students will read a variety of fiction and non-fiction texts, self selected and assigned. NOTE: For DI and DII Athletes, this course is not an NCAA core academic course.

REQUIRED COURSES FOR STUDENTS IN GRADE 10

0327 English 10: The American Dream

Grade 10
Prerequisite: None

Students will write about the American novels, short stories, poetry and nonfiction they read in this course. Their writing will range from short answers and essay responses, to longer papers in which they will react to or analyze the literature they read. Students will also develop their discussion skills, and improve their critical thinking skills as well. Successful completion of this course or 0328 is a school district graduation requirement.

0328 Honors English 10: The American Dream

Grade 10
Prerequisite: See italics in course description

This course covers much of the same literature and as the regular course with a sharper focus on literary analysis and writing. Students should be strong readers and very able writers who are ready for more challenging assignments. Students will improve their critical thinking skills and further develop their discussion skills as well. Many of the skills practiced in this course prepare students for AP courses in their junior and senior year. Successful completion of this course or 0327 is a school district graduation requirement. *Students in English 9 A, B and C who are considering registering for Honors 10 classes should have earned a grade of "A" in each of the 9th grade courses.*

0332 English 10: The American Experience

Grade 10
Prerequisite: None

This course includes the study of American drama and memoir. The writing assignments are both analytical and evaluative. In addition, students are asked to write a memoir. Students will also develop their discussion skills and improve their critical thinking skills as well. Successful completion of this course or 0333 is a school district graduation requirement.

0333 Honors English 10: The American Experience

Grade 10
Prerequisite: See italics in course description

This course covers much of the same literature as the regular course with a sharper focus on COMPLEX MEMOIR WRITING. Students should be strong readers and very able writers who are ready for more challenging assignments. Students will improve their narrative writing skills and further develop their discussion skills as well. Many of the skills practiced in this course prepare students for AP courses in their junior and senior year. Successful completion of this course or 0332 is a school district graduation requirement. *Students in English 9 A, B and C who are considering registering for Honors 10 classes should have earned a grade of "A" in each of the 9th grade courses.*

0337 Speech 10

Grades 10

Public speaking skills are important for success in various professions. This course focuses on public address. Students will deliver a wide variety of speeches for various occasions. They also begin to develop media literary and important research skills for the 21st century. Successful completion of this course fulfills the speech requirement for graduation.

ENGLISH COURSES

0338 Speech 10 Honors

Grades 10

Prerequisite:

Public speaking skills are important skills for success in various professions. This advanced course focuses on public address. Students will deliver a wide variety of speeches for various occasions. They also begin to develop media literary and important research skills for the 21st century. Successful completion of this course fulfills the speech requirement for graduation.

In addition to the required courses, 10th grade students may take the following courses as electives: Reading Seminar, Mythology, Science Fiction/ Fantasy, Creative Writing or Film. Course descriptions appear at the end of the English section of the Course Registration Guide.

REQUIRED COURSES FOR STUDENTS IN GRADE 11

0364 English 11A

Grades: 11

In this course, students will continue to build on reading and writing skills developed in earlier grades. The course will use novels and short fiction as the foundation for reader response and literary analysis, using various interpretations of “power” as the foundation for the analysis. Students will develop their writing and reading skills through full class and small group discussion as well as informal and formal written responses.

0365 English 11B

Grade: 11

The focus of this course is the power of information literacy. Students will expand their research skills and study various forms and styles of non fiction writing, including opinion writing, informational writing and long form feature writing. Students will also explore how the social media landscape affects our information consumption, specifically focusing on how to identify misinformation and disinformation.

0366 English 11C

Grade: 11

In this course, students’ reading of fiction and nonfiction texts through the lens of power in 11A and the study of information literacy in 11B will culminate in an in-depth study of investigative journalism. Students will learn about the purposes of journalism, read both short and long-form works of investigative journalism, and ultimately create their own project that allows them to showcase their understanding of how reading, writing and research empower them as citizens.

OR

0357 Advanced Placement[®] Language A

Grade: 11

0358 Advanced Placement Language B

0359 Advanced Placement Language C

This year-long Advanced Placement[®] course in English Language and Composition engages students in becoming skilled readers and writers of nonfiction texts for a variety of purposes. Students can expect to encounter texts from a variety of periods, disciplines, and rhetorical contexts. Students will compose two essays per trimester (on average about 3-5 pages per essay). Essays include the following rhetorical modes: personal narrative, rhetorical analysis, research/synthesis, persuasive, comparison-contrast, and reflective (i.e. college application essay). In addition, students in the course will prepare for the AP Exam[®] in the spring. Successful Completion of these courses meet the requirement for graduation.

In addition to the required courses, 11th grade students may take the following courses as electives: Reading Seminar, Mythology, Science Fiction/ Fantasy, Creative Writing, Writing for College, CIS Public Speaking, or Film. Course descriptions appear at the end of the English section of the Course Registration Guide.

REQUIRED COURSES FOR STUDENTS IN GRADE 12

Students in grade 12 have three options:

- They may choose to take three trimesters of AP Literature.
- They may choose to take CIS: University Writing and CIS: Literature. (3 trimesters)
- They may choose to take three elective courses.

OPTION ONE: AP Literature

0376 Advanced Placement Literature A

Grade 12

0377 Advanced Placement Literature B

Prerequisite: AP Language A, B and C strongly recommended

0378 Advanced Placement Literature C

This is a year-long course designed to mirror an introductory college-level literary analysis course. Students will study literature through close reading and critical analysis to deepen their understanding of how writers use language to create meaning and entertainment. Discussion and analysis will focus on a work's style, structure, themes, and use of literary devices. The course also prepares students for the Advanced Placement Exam in Literature.

OPTION TWO: CIS

0380 College-in-the Schools: Introduction to Literature

Grade 12

Prerequisite: AP: Language and Composition, AND students
Must have achieved an B or better in each of their high school
English classes.

This is a special version of a University of Minnesota course, open to exceptional, highly motivated seniors who are in the top 25% of their class and can meet additional academic standards. The essence of this course is critical reading, writing, and discussion of selected modern novels, poems, and short stories. The course is designed around 20th and 21st Century fiction that provides insight into less represented cultures, such as Latino, African American and Native American. The texts are multicultural and may contain mature themes and images. **STUDENTS MAY EARN 4 CREDITS FROM THE UNIVERSITY OF MINNESOTA.** Active participation in discussion is essential for success in this course. **NOTE: Students must also register for 0381.**

0381 College-in-the Schools: University Writing

Grade: 12

Prerequisite: AP: Language and Compositions AND students
Must have achieved an A- or better in each of their high school
English classes.

University Writing is a four-credit college course offered through the University of Minnesota's College in the Schools Program. Students with strong writing skills and are ideally in the top 20% of their class, may earn these credits, thereby fulfilling a college freshman composition requirement. The curriculum, rules, and expectations of the University of Minnesota govern the course. The focus of this course is on the process of writing and strategies for inventing, focusing, drafting, conferencing, revising and editing. Active participation in the writing community of this class is essential. Students will compose the following essays in this course: trend analysis (research-synthesis), critical reviews, cultural ethnography (primary observational research of a cultural group), and personal narrative.

CIS: University Writing is a SEMESTER course and is recommended to be taken in conjunction with CIS: Intro to Literature. **NOTE: Students must also register for 0380.**

OPTION THREE: ELECTIVE COURSES

0384 Writing for College Grades 11, 12
Prerequisite: None

This course focuses on the modes of writing required in post-secondary settings such as research-based synthesis and comparison-contrast. Using models, examples, and real-life writing tasks, students should emerge feeling more confident in their ability to write succinct and concise prose and revise for clarity. Focus will be on discussion in class and in writing, research, argumentation, succinct presentation of ideas, and employing composition to address problems or societal issues.

0360 Creative Writing Grades 10, 11, 12
Prerequisite: None

What makes a story great? How do we harness creativity? Forms of writing that might be investigated include the short story, poetry, writing for children, and playwriting, with a focus on developing character, dialogue, voice, style and description. Writers will be writing daily, peer editing weekly, and completing a comprehensive portfolio focused on growth and taking risks.

0363 Mythology Grades 10, 11, 12
Prerequisite: None

Students will explore the nature and development of myths. Students will study Greek mythology, as well as some mythology from other cultures. Reading will include myths of gods and heroes, a study of the hero's journey in literature and the life and the legend of King Arthur. Students will respond to these readings through writing, storytelling and presenting projects.

0345 Reading Seminar* Grades 10, 11, 12
Prerequisite: None

The goals for students in this course are success in reading and literature appreciation through self-selected reading materials. Reading Seminar is not a speed-reading course. Rather, the emphasis is on applying reading strategies to improve comprehension in academic and recreational texts. Developmental reading strategies will be emphasized, and there is ample opportunity for classroom reading. Students will complete 60 hours of independent reading and must be able to work independently toward that goal. NOTE: For DI and DII athletes, this course is not an NCAA core academic course.

ENGLISH COURSES

0385 Science Fiction & Fantasy

Grades 10, 11, 12
Prerequisite: None

What makes us human? How do we imagine the future? What is a heroic life? This course is designed for the student who loves reading science fiction and fantasy literature. We'll explore both classic and contemporary texts in the genres, investigating what our stories of speculation say about our understanding of reality.

0371 Film Study

Grades 11, 12
Prerequisite: None

In this course students will refine their literacy through the study of film and its history, genres, cinematic techniques, and technologies. Students will analyze feature-length films ranging from the early, silent-film era to today. Depending on the instructor, possible films might include the following: Chaplin's *The Gold Rush*, Hitchcock's *Psycho*, *Double Indemnity*, *Mad Max: Fury Road*, and *Donnie Darko*. Analysis of these films will be strengthened through readings, study guides, and class discussions. Assessments include written critiques and analysis, quizzes, tests, and a culminating final video project that demonstrates students' understanding of film techniques. *NOTE:* For DI and DII Athletes, this course is not an NCAA core academic course.

0383 College in the Schools: Introduction to Public Speaking

Grades 11, 12
Prerequisite: Top 50% of class; A or B in Speech 10,
Or Teacher Recommendation

Introduction to Public Speaking is a University of Minnesota college course that encourages students in the top 50% of their class to take a risk in a course that is performance based. Students should have received an A or B in the Speech 10 or Honors 10 class. Writing and research skills are an important component of this course. Students must meet deadlines and be committed to the art of speech performance and personal growth. The students will write and deliver various types of speeches: storytelling, special occasion, informative and persuasive. The rules and expectations of the University of Minnesota govern this course. This is a THREE-credit entry level college communications course.

0387 Multicultural Literature and Contemporary Issues

Grades 11, 12
Prerequisite: None

American screenwriter Robert Alan Aurthur once said, "Cultural differences should not separate us from each other, but rather cultural diversity brings a collective strength that can benefit all of humanity." Literature is a powerful tool. Poetry, fiction, and nonfiction take us out of our bubbles and teach us new ways of thinking and living so we can better appreciate the world around us. In this course, we will explore great works of poetry, fiction, and nonfiction written by and about many different cultural groups in the United States and beyond. This elective will be student-driven; you will be given a wide variety of choice in both reading and assessment to allow you to follow your interests. Class will be focused on choice reading, small-group discussion, and reflective writing. By the end of this course, you will develop a richer, more diverse cultural and literary understanding. Expect this class to teach you not only about literature, but also to teach you about yourself and open your minds to new experiences.

In addition to these courses, the EHS English/Language Arts instructors recommend that students read newspapers, magazines, and fiction, and attend live stage performances and listen to a wide range of music in their lives outside of school.

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**FAMILY AND CONSUMER
SCIENCES
(FACS)**

SUPPORTING FAMILY LIFE

The focus of Family and Consumer Science Department offers courses that enable students to build, maintain and strengthen interpersonal relationships, apply logical thinking skills in making living decisions, and develop effective life management skills through hands-on activities.

Department course offerings include:

CHILD DEVELOPMENT

Infant & Toddler Development 9-12
Child Development 9-12
Intro to Elementary Education 11-12

FOODS

Foods A/Foods and You 9-12
Foods B/Creative Foods 9-12

HOUSING

Interior Design 9-12

FAMILY LIFE/INDEPENDENT ISSUES

Life 101 (Independent Living) 11-12

HOSPITALITY MANAGEMENT

Career Development Course 11-12

THE BOARD OF EDUCATION STRONGLY RECOMMENDS ENROLLING IN A MINIMUM OF ONE FAMILY LIFE CLASS PRIOR TO GRADUATION. **Family and Consumer Sciences** classes which fulfill this recommendation are **Exploring Relationships, and Child Development or Infant and Toddler Development.**

COURSES OFFERED TO STUDENTS IN GRADE 9,10,11 and 12

0401 Foods A

Grades 9, 10, 11, 12

Prerequisite: None

Learn to cook from more than just a box by gaining up-to-date information about healthy eating, food preparation, and food safety and sanitation. Through hands-on lab involvement, basic cooking skills will be put into practice as you prepare and eat; quick breads including coffeecake, and homemade waffles; dairy foods including enchiladas, and smoothies, soups and salads, fruits, and lasagna.

NOTE: We request monetary donations to cover the cost of food consumed.

0407 Foods B

Grades 9, 10, 11, 12

Prerequisite: Successful Completion of Foods A

Freshen up and build on the foods skills gained in Foods A. We will start with Chocolate and candy cooking. Next we will look at yeast breads with labs making pretzels, calzones, and caramel rolls. Pizza, pasta and Italian cooking units will be made. New in Foods B, Tailgating foods! Outdoor cooking with our grilling unit making burgers, chicken kabobs, pizza and more!

Note: We request monetary donations to cover the cost of food consumed.

0403 Child Development

Grades 9, 10, 11, 12

Prerequisite: None

Thinking about working with children? How will studying children help you? Whether you are interested in working directly with children or being a parent some day, learning about children will help you better understand them as well as yourself. In this class you will see that children go through many stages of growth and development. You will study the physical, social, emotional, and intellectual development of pre-school age children. You will apply your knowledge and develop effective skills in observation, guidance, planning and implementing curriculum by providing a safe, child-centered environment in an actual **pre-school program** which runs approximately six weeks. Have fun and experience the unique relationship of working with three, four and five year old children.

0405 Infant and Toddler Development

Grades 9, 10, 11, 12

Prerequisite: None

Caring for a newborn, chasing a toddler, planning birthday parties and more. This course will give you the background needed in understanding newborn and toddler's physical/intellectual/social emotional development. Focusing on newborns to age two and their milestones. Through guest speakers and real life experiences you will understand the financial costs and rewards of infants and toddlers.

0406 Interior Design

Grades 9, 10, 11, 12

Prerequisite: None

Love to decorate? Do you like to rearrange your furniture and search for new finds? Like to work with color and design? If so, then this course is for you. Activities will include design principles and elements, housing choices, floor plan arrangements, furniture selections and accessories. Students will design and present an original design project. The arts standard will be offered in this course. **THIS CLASS MEETS THE MINNESOTA ARTS STANDARD FOR GRADUATION.**

COURSES OFFERED TO STUDENTS IN GRADE 10, 11 and 12

0430 Life #101 (Independent Living) Grades 11, 12
Prerequisite: None

Financial literacy is a must have in preparing for life after high school. This course will give you the financial keys to understanding how to budget, the cost of living on your own, buying or leasing a car, renting an apartment, credit card responsibility, identity theft, and living with a roommate. Manners, etiquette, and appropriate use of social media in the workplace and practical life skills will be taught, as they are important components to living on your own.

0449 Intro to Elementary Education Grades 11,12
Prerequisite: None

This program involves linking high school students with elementary school students in a caring and supportive relationship. While at the elementary school, they will have the opportunity to work one-on-one with small groups and the communications and organization. Students are required to Journal daily. A recommended background for success: students must have their own transportation to the elementary school. Students must be professional, self-motivated and possess strong reading and math skills. College observation hours can also be attained through this course!

Note: Students must provide their own transportation to and from the elementary school.

CAREER DEVELOPMENT COURSES:

7756 Hospitality Management A: Planning/Management - Fall Trimester

Prerequisite: None
Site: Eagan High School
Length: Two Periods, Full Year Course Recommended

In this course, students will gain hands-on experience of the exciting world of event planning. They will experience through the eyes of an event planner the planning, publicity, budgeting, and execution of several events: Veterans Day, Event for Teachers, working with the theater to promote upcoming shows. Some of the field trips that students attend during this trimester are: Mall of America, Yellow Barn Wellness, students take the Amtrak train to Redwing and visit Wabasha's SeptOberfest.

*The Event Planning elements in this course will be ongoing throughout the year.

7757 Hospitality Management B: Travel/Tourism - Winter Trimester

Prerequisite: None
Site: Eagan High School
Length: Two Periods, Full Year Course Recommended

Travel and Tourism is critical to Minnesota's economy. Students will learn about all aspect of personal travel and planning a trip for others. This course will take students beyond traditional vacation planning to explore trips that include adventure travel, theatre and sporting events. Students this trimester will also research the impact food has on any event, how the restaurant industry is accommodating food allergies, and students will earn their ServSafe certificate so they can enter into food related careers with an industry recognized certificate. Some of the field trips and hands-on learning for this trimester include: Hosting a WOW breakfast for EHS staff and students, visiting Midtown Global Market, preparing a meal for the Minneapolis Crisis Nursery and also Ronald McDonald house.

7758 Hospitality Management C: Restaurant/Lodging - Spring Trimester

Prerequisite: None
Site: Eagan High School
Length: Two Periods, Full Year Course Recommended

If you enjoy customer service, the hotel and restaurant industry may be part of your career path. Students will learn about a range of career opportunities in the “Front of the house” and in the Back of the house”. Learn about ways to work directly with consumers or to combine your interests in technology, accounting, or management with hospitality. The possibilities are endless! Some of the hand-on learning this trimester include job shadow experiences at local hotels and restaurants, students will also host the Graduation for the Special Education students and their families.

*Students that successfully complete Hospitality Management A, B and/or C may have the opportunity to earn Articulated College Credit from a post-secondary institution.

Eagan High School

TECHNOLOGY, ENGINEERING, & MANUFACTURING DEPT.

Experience the Human-Made World.

SKILLS FOR LIFE

Recommended For All Students

0505 Problem Solving Home Repair

0541 Pinterest Projects

CONSTRUCTION

MN Career Field

0503 Intro to Woods

0538 Cabinetmaking

0542 Sports Equipment

MANUFACTURING

MN Career Field

0550 Intro to Metals

0551 Weld-Thread-Fab

COMMUNICATIONS

MN Career Field

0504 Intro to Graphics/Video

0548 Website Development

ARCHITECTURE

MN Career Field

0501 Intro to Drafting

*0558 Architecture &
Landscape Design*

TRANSPORTATION

MN Career Field

0502 Intro to Transportation

0544 Small Engines

0561 Aviation Exploration

STEM

MN Career Field

0531 Intro to 3D Modeling

0563 Intro to Engineering

CAREER DEVELOPMENT

Full-Year Courses For Those Considering A Future Career

7780 Construction Careers A-B-C

7710 Aviation Careers A-B-C

TECHNOLOGY, ENGINEERING, & MANUFACTURING DEPARTMENT

Courses in the Technology and Engineering Department are organized according to the MN Department of Education and MN State Colleges and Universities Career Fields, Clusters, and Pathways model. These programs of study are designed for students to attain the specific knowledge, skills, and abilities needed to pursue a career of their choice. It is highly recommended that students enroll in a focus area's introductory courses before enrolling in that area's upper level courses. The department also offers two additional courses outside the main focus areas. These courses require no prerequisite and are meant to benefit a student's career or life skills.

SKILLS FOR LIFE COURSES – RECOMENDED FOR ALL STUDENTS

0505 Problem Solving Home Repair

Grades 9, 10, 11, 12

Prerequisite: None

Our homes are rooted in human-made products that are prone to malfunction or breakage. It is important for students to gain confidence in troubleshooting and problem solving, so that they may be well prepared for a future that will most certainly require such talents. Concepts such as troubleshooting, redesign and retrofitting, process implementation, tools, systems and safety, will all help to answer the ultimate engineering question: "How does this work?" This course is based in residential construction and how our home's systems and structures function. Additionally, knowing how to perform repairs can save people thousands of dollars over a lifetime.

Projects: Construction of a residential house wall; Students will learn framing, electrical, plumbing, drywall, painting, tiling, and caulking in addition to numerous troubleshooting and repair skills.

0541 Pinterest Projects

Grades 9, 10, 11, 12

Prerequisite: None

This intro course provides students with basic skills in safe tool operation while creating projects inspired by Pinterest Professionals. The projects of this course emphasize craft creation using primarily wood, but also mixed materials, like metal, vinyl, paint and engravings.

Projects: Inspired by Popular Pinterest Posts - Geometric multi-colored wall art panel, Wood cutout sign, Famous Quote Engraved on Custom-built Crate, Painted stencil works, Photo Pin Frame, and Upcycled shelf.

CAREER DEVELOPMENT COURSES

7710 <u>Aviation and Ground School A</u>	Grades 11 & 12
7711 <u>Aviation and Ground School B</u>	Prerequisite: None
7712 <u>Aviation and Ground School C</u>	Length: Two Periods, Full Year Course Recommended

LEARN TO FLY HERE! Students will pilot single-engine airplanes, gliders, partner with NASA to engineer scale aircraft, and participate in numerous field trips to experience the world of aviation. During this course, students will develop the skill and knowledge required to pass the FAA written exam for a private pilot's license and explore some of the various careers in aviation, such as: Commercial & Military Pilot, Aircraft Maintenance Technician, Aerospace Engineering, Aircraft Manufacturing, Airport Operations, and Air Traffic Control.

College credit available: Contact the instructor for more information regarding articulated credits.

7780 <u>Construction & Building Trades A</u>	Grades 11 & 12
7781 <u>Construction & Building Trades B</u>	Prerequisite: None
7782 <u>Construction & Building Trades C</u>	Length: Two Periods, Full Year Course Recommended

This course will provide students with an overview of professional building trades through the National Building Trades Union's Multi-Craft Core Curriculum. Students will explore Minnesota apprenticeship programs, post-secondary training programs and the world of work. By the end of the course students will be able to make an educated decision about which trade, if any, would best fit their future career interests and goals. Additionally, students will be prepared to either go straight to work, apply to a post-secondary program, or enroll in an apprenticeship program.

This program will deliver numerous field trips to industry training facilities and the construction of a shed and tiny house.

NOTE: Aviation & Ground School as well as Construction & Building Trades meet on the Eagan High School campus. For Career Development courses that take place at other District sites, consult the District published Career Development catalog for more details and course numbers.

CONSTRUCTION COURSES

0503 <u>Intro to Woods</u>	Grades 9,10,11,12 Prerequisite: None
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This survey course provides students with basic skills in the safe and proper operation of power tools and techniques used in production. Classroom projects are designed to allow students the opportunity to use many of the production machines in the classroom while learning industry terminology. In addition, activities will include squaring stock, basic joinery, gluing techniques and finishing.

Projects: Cellphone speaker and Hardwood mantel clock.

0538 <u>Cabinetmaking</u>	Grades 10,11,12 Prerequisite: None
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This course focuses on the fundamental understanding of wood technology. Topics covered include wood harvesting and seasoning, species identification, project design, cost estimation, safety practices, and wood finishing technologies.

Projects: End table with drawer or dorm-room furniture.

0542 <u>Build Your Own Sports Equipment</u>	Grades 10,11,12 Prerequisite: None
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This course will provide students with the opportunity to construct sports equipment of their choice using the Technology Education shop area. This course is aimed towards students who wish to construct non-traditional technology education projects.

Projects: Canoe paddle, Mini Baseball bat, duck call and ping-pong paddle.

MANUFACTURING COURSES

0550 Intro to Metals

Grades 9,10,11,12
Prerequisite: None

This course is an introduction and orientation to the field of metal, manufacturing and fabrication. Technical information in manufacturing and fabrication will be covered with emphasis on exercises for development of fundamental skills and knowledge.

Projects: Fabricated sheet metal money clip, panel, clipboard, toolbox, and plasma cut name plate.

0551 Welding, Threading and Fabricating

Grades 10,11,12
Prerequisite: None

Hands-on exploratory experiences in the operation of metal welding practices. SPOT, SMAW, MIG and TIG welding processes will be explored. Students will also learn about material selection, processing and basic machining principles through thread cutting, fabrication, and CNC plasma operations.

Projects: Numerous welding exercises, Torch holder, Third hand tool, Bolt thread tool, and Plasma cut logo plate.

COMMUNICATIONS COURSES

0504 Intro to Graphics and Video
(Meets MN Arts Standard Requirement)

Grades 9, 10,11,12
Prerequisite: None

This survey course introduces the basics of graphic communications. Students learn to meet the client's needs through use of computer illustration, digital photography, animation, video, and multimedia presentations. Projects provide students with valuable computer, artistic and communication skills. These skills can be applied immediately to personal projects in and out of high school.

Projects: Vinyl stickers, T-shirt design and print, Letterform logo, magazine cover, and daydream video.

0548 Web Development

Grades 10,11,12
Prerequisite: None

This course is an introduction to web page coding, structure and design. Laboratory activities will emphasize the use of the web authoring software Adobe Dreamweaver. Students will explore the structure of the design and build process of web authoring by learning to read and write function HTML and CSS code, both in a text editor and Dreamweaver. Emphasis will be placed on root folder organization and the sketching of site structure. JavaScript and jQuery will also be explored and discussed.

Projects: On-line web publication designed by the student.

ARCHITECTURE COURSES

0501 Intro to Drafting

Grades 9,10,11,12
Prerequisite: None

This course introduces students to the language of drafting through the development of engineering and architectural projects. Designs will be developed through the use of CADD software. Technical drawings and 3D modeling are developed for each project. Drafting is considered the international symbol language and is a major communication medium of the information age.

Projects: Lake cabin design with walk-through animation, and numerous manufactured part designs.

0558 Architecture and Landscaping Design
(Meets MN Arts Standard Requirement)

Grades 10,11,12
Prerequisite: None

This course is a study of interior and exterior residential architectural designs. Orthographic, isometric, oblique and perspective sketching techniques will be covered. Students will create a complete set of residential working drawings to include: scaled floor plan, scaled foundation plan, scaled elevation drawing, electrical plan, plumbing plan, plot plan, wall section drawing and cost schedules.

Projects: Basic residential architectural drawings (floor plans, elevation, perspective and plot plans), and landscape models.

TRANSPORTATION COURSES0502 Intro to TransportationGrades 9,10,11,12
Prerequisite: None

This survey course introduces the student to land, air and water transportation systems through the construction of functional scale model vehicles. Students will demonstrate understanding of propulsion, guidance, control, suspension, and support systems through the construction and testing of these vehicles. Basic construction, fabrication, and electrical concepts will be presented.

Projects: Glider, hovercraft, and boat molding.

0544 Small EnginesGrades 10,11,12
Prerequisite: None

This course will cover theory of operation and component design of small gas engines. Students will disassemble, measure, clean and reassemble an internal combustion engine. In addition, troubleshooting and repair of two and four cycle engines will be covered.

Projects: Stock small engine teardown/rebuild and personal engine troubleshooting.

0561 Aviation ExplorationGrades 10,11,12
Prerequisite: None

This is an exploratory course that introduces the student to the world of aviation. Concepts covered include aircraft design, systems and operation, airline management and career opportunities.

Projects: Air traffic control and flight simulation, aircraft design and construction, orientation flights.

STEM COURSES0563 Intro to EngineeringGrades 9,10,11,12
Prerequisite: None

This course is an introduction to field of engineering. Through projects, students will explore civil, mechanical, and electrical concepts; three of the major branches of engineering. Numerous sub disciplines and interdisciplinary subjects are derived from concentrations, combinations or extensions of these three major branches of engineering.

Projects: Bridge design-build, Wind Turbine Pump, & Circuit Board Strobe Light.

0531 3D ModelingGrades 10,11,12
Prerequisite: None

Students will master the fundamentals of drafting to create their own projects. Students will output their designs to 3D printers, to create an actual prototype of their work. Standard projection methods, dimensioning, 3D modeling norms and an introduction to CAM (Computer-aided manufacturing) will be covered.

Projects: Detail, assembly, sectional, and pictorial drawings as well as virtual prototyping and 3D printing, cnc routing, and laser engraving projects.

LANGUAGES OF THE WORLD COURSES

The study of a World Language is becoming increasingly important in our global society. The Eagan High School World Languages Department offers students the opportunity to develop proficiency in speaking, reading, writing, and listening in Spanish, French, and German. Students selecting a language should sign up for all three trimesters. The World Languages Department encourages all students to develop the economic, social, and academic advantages that proficiency in a second language can offer. Seniors in levels IV or CIS have the opportunity in the spring to take the bilingual seals and certificates exam which may qualify them for college credit at MNSCU schools.

THE SEQUENCE OF COURSEWORK IN EACH OF THE WORLD LANGUAGES REQUIRES THAT PREREQUISITES BE COMPLETED WITH A PASSING GRADE OR TEACHER APPROVAL.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 9

0604 <u>French I A</u>	Grades 9, 10, 11, 12
0605 <u>French I B</u>	Prerequisite: None
0606 <u>French I C</u>	

Students will be introduced to the language of over 220 million people, spoken on five continents. Students will be taught using fun and interactive activities, projects, skits, games, and current films. The focus will be on speaking, listening, reading, writing and culture, and students will be able to greet others, order food, pay a bill, and discuss basic likes and dislikes.

0607 <u>German I A</u>	Grades 9, 10, 11, 12
0608 <u>German I B</u>	Prerequisite: None
0609 <u>German I C</u>	

Students will begin to build proficiency skills in the areas of listening, speaking, reading, and writing. Students will be introduced to many aspects of German-speaking cultures as they learn the alphabet, numbers, present tense verbs, and vocabulary around themes such as school, family sports and freetime activities, and foods. Short stories, songs, films and games will enrich classroom activities.

0613 <u>Spanish I A</u>	Grades 9, 10, 11, 12
0614 <u>Spanish I B</u>	Prerequisite: No previous Spanish experience
0615 <u>Spanish I C</u>	

Students will begin to acquire basic proficiency skills in the areas of listening, speaking, reading, and writing. Students will be introduced to aspects of Hispanic culture through greetings, classrooms around the world, foods, and sports. They will also be introduced to numbers, the alphabet, and beginning vocabulary, including family, community, sports, and food. Basic grammar through the use of the present tense will be the primary focus. A novel, songs, and games will enrich classroom activities.

0616 <u>Spanish II A</u>	Grades 9, 10, 11, 12
0617 <u>Spanish II B</u>	Prerequisite: Successful completion of Spanish IA, IB, IC
0618 <u>Spanish II C</u>	

Spanish II students will continue to develop their skills in the language through cultural activities, implementation of higher level vocabulary, verbs, and grammatical tenses. Novels, songs, films and games will enrich classroom activities. We read La Clase de Confesiones, La Bella Mentira and El Nuevo Hondini.

0619 <u>French II A</u>	Grades 9, 10, 11, 12
0620 <u>French II B</u>	Prerequisite: Successful completion of French IA, IB, IC
0621 <u>French II C</u>	

Students will continue to expand their speaking, listening, reading, writing skills, as well as their cultural knowledge of the 29 countries that have French as a primary language. Games, activities, current movies, and projects will reinforce the focus on present and past tense communication, foods, cooking, health, wellness, and shopping.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

- 0629 German II A Grades 10, 11, 12
 0630 German II B Prerequisite: Successful completion of German IA, IB, IC
 0631 German II C

Students will sharpen and expand upon skills learned in German I. Topics include shopping, celebrations, housing, leisure activities, entertainment, and travel. We will explore German speaking cultures through a variety of authentic media, presentations, activities, short novels and films. Students will further develop their communication skills using the past, present and future tenses and build on their grammar and vocabulary base using all four modes of communication.

- 0635 Spanish III A Grades 10, 11, 12
 0636 Spanish III B Prerequisite: Successful completion of Spanish IIA, IIB, IIC
 0637 Spanish III C

Students will continue to learn about Spanish-speaking cultures as they develop their abilities to speak, listen, read and write in Spanish. A variety of activities, including use of authentic music, documents, and video will help students increase their ability to function in Spanish using both present and past tenses. The year’s study includes the reading of several novels, movies and/or a TV series. Students will explore topics such as art, childhood, celebrations, disaster response, TV and film, and food.

- 0638 French III A Grades 10, 11, 12
 0639 French III B Prerequisite: Successful completion of French IIA, IIB, IIC
 0640 French III C

Students will continue to expand their speaking, listening, reading, writing skills, as well as their cultural knowledge of the language of the United Nations, Olympics, and International Red Cross. The continued emphasis on speaking, listening, reading, writing skills, and culture will focus on conversation, and the study of Impressionism.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 11

- 0654 German III A Grades 11, 12
 0655 German III B Prerequisite: Successful completion of German IIA, IIB, IIC
 0656 German III C

Students will continue to develop their language skills by reading novels and literature excerpts, listening to authentic materials, completing presentational and interpersonal writing exercises, and engaging in communicative activities. Students will explore German history, culture, and language through study of Grimms’ fairy tales and German folktales and legends. Culture and art will be further researched during a unit on German Expressionism.

- 0660 Spanish IV A Grades 11, 12
 0661 Spanish IV B Prerequisite: Successful completion of Spanish IIIA, IIIB, IIIC
 0662 Spanish IV C

Students will focus on communicative skills, vocabulary building, as well as participate in a review of grammar. The emphasis will be on proficiency in the four modalities of speaking, writing, reading, and listening. Activities involving music, a telenovela, and novels will also be included. A variety of topics will be introduced for discussion as we move toward conducting the class entirely in Spanish. Students will explore culture and history through three short novels. Additionally, the Spanish telenovela “Gran Hotel” will be shown throughout the year.

Spanish IV prepares students to earn college credit the following year through College in the Schools Spanish, University of Minnesota. Spanish IV prepares senior students for the Spring Seals & Certificates proficiency exam which can earn college credit at MN SCU schools.

LANGUAGES OF THE WORLD COURSES

0663 ¡Adelante I! A
0664 ¡Adelante I! B
0665 ¡Adelante I! C

Grades 9, 10, 11, 12
Prerequisites: None Pre-requisitos: No hay

Do you speak Spanish at home? Have you noticed that our traditional Spanish classes are too elementary for you? Would you like to improve reading and writing in Spanish? This class is for you! This year long course is designed for students for whom Spanish is a native or heritage language. It provides students with the opportunity to expand their existing proficiency and to develop their reading and writing skills. This class has been developed for heritage speakers who, although raised in Spanish-speaking communities or households, are not yet fully proficient in Spanish. This course takes into account and celebrates the experiences and influences of a bilingual and bicultural upbringing. We do this by exploring what it means to be a Latinx in the United States and by researching what the Latinx community has done throughout the United States history to guarantee equal rights. This class is a step of preparation for students to take the Bilingual Seals and Certificates test during the spring of senior year. Strong test results can earn college credit at MNSCU schools.

Si hablas español en casa, si quieres poder hablar, leer y escribir mejor y si has notado que las clases de español que ofrecemos no te benefician de la mejor manera, entonces esta clase es para ti. Este es un curso de un año que ha sido diseñado para alumnos a los cuales el español es su primer idioma. La clase nos da la oportunidad de desarrollar y mejorar nuestras habilidades en Español. Este curso tiene en mente a estudiantes hispanohablantes que han crecido en una comunidad hispanohablante pero que todavía no pueden hablar, leer o escribir a un nivel adecuado. Un objetivo del curso es celebrar y valorar la diversidad de experiencias y la riqueza cultural de cada individuo. Hacemos esto por medio de la exploración de nuestra identidad como Latinx en los Estados Unidos y por medio del estudio de lo que otros han hecho para garantizar los derechos de la comunidad Latina en los Estados Unidos. Esta clase también ayuda al estudiante en la preparación para el Examen Bilingüe durante la primavera del senior year. Es posible ganar crédito universitario en las universidades de MNSCU si califique el estudiante.

0666 ¡Adelante II! A
0667 ¡Adelante II! B
0668 ¡Adelante II! C

Grades 9, 10, 11, 12
Prerequisites: Adelante I Pre-requisitos: Adelante I

Esta clase es una continuación de Adelante I. Continuaremos con nuestras 3 metas elementales: 1. El mejoramiento de nuestras habilidades en Español. 2. La exploración de nuestra identidad como Latinx en los Estados Unidos. 3. Los estudios étnicos para entender el valor y la contribución que la comunidad Latina ha tenido en la historia de los Estados Unidos. Adicionalmente, en Adelante II vamos a aventurarnos en la investigación de diferentes problemas que la comunidad Latina enfrenta y pensar en posibles soluciones tangibles. Finalmente, los estudiantes en Adelante II se involucrarán con los estudiantes latinos de las escuelas secundarias del distrito (middle school). El objetivo de esta colaboración es crear un ambiente de liderazgo que fomente una relación positiva en la juventud latina. Este curso también puede ser un precursor a la clase de Español IV para los estudiantes en tercer año o para la clase de College in the Schools Spanish para los estudiantes en cuarto año. Esta clase también ayuda al estudiante en la preparación para el Examen Bilingüe durante la primavera del senior year. Es posible ganar crédito universitario en las universidades de MNSCU si califique el estudiante.

This course is a continuation of Adelante I. We will keep working towards our three essential goal: 1. Spanish literacy improvement. 2. The exploration of our identity as Latinx in the United States. 3. Our work in ethnic studies in order to understand the contributions that different Latinx have had in the development of equal rights. Additionally, in Adelante II we will venture into Participatory Youth Action Research (YPAR) in order to identify problems that our community has in hopes of creating some tangible change. Finally, students in Adelante II will get involved with middle school students from the district. The objective of this partnership is to create an environment of leadership that will foster a positive relationship between our Latinx youth. This class can serve as a springboard to Spanish level IV junior year and College in the Schools Spanish senior year. This class is a step of preparation for students to take the Bilingual Seals and Certificates test during the spring of senior year. Strong test results can earn college credit at MNSCU schools.

0669 [¡Adelante III! A](#)
 0670 [¡Adelante III! B](#)
 0671 [¡Adelante III! C](#)

Grades 9, 10, 11, 12
 Prerequisites: Adelante I, II Pre-requisitos: Adelante I, II

Adelante III es el tercer año de nuestro programa de Español para estudiantes de lenguas de herencia en español. En esta clase continuaremos con nuestro trabajo de mejorar nuestras habilidades en todos las modalidades de la lengua (hablar, escribir, leer y escuchar). Al mismo tiempo, exploraremos hecho históricos desde la perspectiva de la comunidad Latina y produciremos productos educativos basados en el arte. También tocaremos temas de justicia social y estudios étnicos y llevaremos a cabo proyectos de impacto positivo a las comunidades Latinas.

Adelante III is the third year in our Heritage Learners of Spanish Language program. In this class we will continue increasing our literacy abilities in all four modalities of the language (speaking, writing, reading, and listening). At the same time, we will explore historical events from the perspective of the Latinx community and will produce arts based educational products. We will also dive into social justice and ethnic studies and create projects that aim to have a positive impact in the Latinx communities.

0672 [¡Adelante IV! A](#)
 0673 [¡Adelante IV! B](#)
 0674 [¡Adelante IV! C](#)

Grade 11, 12
 Prerequisite: Completion of Adelante I, II, III

Adelante IV es el cuarto año de nuestro programa de Español para estudiantes de lenguas de herencia en español. En esta clase continuaremos con nuestro trabajo de mejorar nuestras habilidades en todos las modalidades de la lengua (hablar, escribir, leer y escuchar). Al mismo tiempo, exploraremos hecho históricos desde la perspectiva de la comunidad Latina y produciremos productos educativos basados en el arte. También tocaremos temas de justicia social y estudios étnicos y llevaremos a cabo proyectos de impacto positivo a las comunidades Latinas.

Adelante IV is the fourth year in our Heritage Learners of Spanish Language program. In this class we will continue increasing our literacy abilities in all four modalities of the language (speaking, writing, reading, and listening). At the same time, we will explore historical events from the perspective of the Latinx community and will produce arts based educational products. We will also dive into social justice and ethnic studies and create projects that aim to have a positive impact in the Latinx communities.

0675 [French IV A](#)
 0676 [French IV B](#)
 0677 [French IV C](#)

Grade 11, 12
 Prerequisite: Successful completion of French IIIA, IIIB, IIIC

Students will continue to expand their speaking, listening, reading, writing skills, as well as their cultural knowledge of the language of international politics and business. In addition to focusing on speaking, listening, reading, writing, and culture, students will learn to speak in the future and conditional tenses.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 12

0681 [CIS: German A](#)
 0682 [CIS: German B](#)
 0683 [CIS: German C](#)

Grade 12
 Prerequisite: Successful completion of German III
 Teacher Approval

CIS German 1003 is a 5 semester-credit, year-long college course, offered through the University of Minnesota’s College in the Schools Program. The course is governed by the rules and expectations of the University of Minnesota. This course focuses on the advanced development of the four language skill areas: reading, writing, listening and speaking. Upon completion of the course work, students’ grades are posted on official U of M transcripts, and the credit may be transferred to other colleges. CIS students are well prepared for college because they experience an authentic college class, taught much like it would be on the U of M campus.

LANGUAGES OF THE WORLD COURSES

0684 CIS: Spanish A
0685 CIS: Spanish B
0686 CIS: Spanish C

Grade 12
Prerequisite: Successful Completion of Spanish IV for Seniors,
Teacher Approval

CIS Spanish is a partnership program between the University of Minnesota and Eagan High School. It delivers regular University intermediate level courses to high school students. CIS students will study the same curriculum that U of M students do on campus. Those who successfully complete a CIS course receive University of Minnesota academic credit for Spanish 1003 and 1004 for a total of 10 credits. These courses will develop intermediate and advanced listening, reading, writing and speaking skills in the context of cultural themes related to the Hispanic world. They will also have review and elaboration of grammar concepts. Upon completion of the course work, students' grades are posted on official U of M transcripts, and the credit may be transferred to other colleges. CIS students are well prepared for college because they experience an authentic college class, taught much like it would be on the U of M campus.

0693 CIS: French A
0694 CIS: French B
0695 CIS: French C

Grade 12
Prerequisite: Successful completion of French IV,
Teacher Approval

CIS French is a year-long, five semester-credit course, offered through the University of Minnesota's College in the Schools program. The course is governed by the rules and expectations of the University of Minnesota. This college course focuses on the advanced development of the four language skill areas: speaking, listening, reading, and writing. Upon completion of the course work, students' grades are posted on official U of M transcripts, and the credit may be transferred to other colleges. CIS students are well prepared for college because they experience an authentic college class, taught much like it would be on the U of M campus.

0713 <u>Intermediate Algebra IA</u>	Grades 9, 10
0714 <u>Intermediate Algebra IB</u>	Prerequisite: Intermediate Algebra I
0715 <u>Intermediate Algebra IC</u>	

Intermediate Algebra is a study beyond linear topics in Algebra. Topics include systems of equations, quadratic equations, polynomials, data and statistics, probability and simulation, transformations and connections to geometry. Continuation in this course is contingent upon earning a passing grade the previous trimester. A TI-84 graphing calculator is recommended. Note: This is a year-long course. Students should register for all three courses.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

0721 <u>Geometry A</u>	Grades 9, 10
0722 <u>Geometry B</u>	Prerequisite: Successful completion of Intermediate Algebra I
0723 <u>Geometry C</u>	

A study of Euclidean geometry in which students will work individually and in cooperative learning groups using manipulatives, computers and calculators to make discoveries and formulate conjectures. The course develops a structured mathematical system employing both deductive and inductive reasoning. It includes plane, spatial, coordinate and transformational geometry. Algebraic methods are used to solve problems involving geometric principles. Students need a ruler, protractor, compass, graph paper and a graphing calculator. The EHS Mathematics Department recommends the TI-84. Note: This is a year-long course. Students should register for all three courses.

0735 <u>Honors Algebra II A</u>	Grades 10, 11, 12
0736 <u>Honors Algebra II B</u>	Prerequisite: Successful completion of Honors Geo A, B, C
0737 <u>Honors Algebra II C</u>	

This course is for students who have passed a full year of Honors Geometry. Students in this course will continue to learn to describe the world around them with algebraic expressions, equations, graphs and statistics. Applications and calculators provide a context in the language of algebra. Topics studied in this course include linear, quadratic, exponential, logarithmic and trigonometric functions and matrices. A graphing calculator is required for this course. The EHS Mathematics Department recommends the TI-84. Note: This is a year-long course. Students should register for all three courses.

0751 <u>Advanced Placement Statistics A</u>	Grades 10, 11, 12
0752 <u>Advanced Placement Statistics B</u>	Prerequisite: Grade 10: current enrollment in Honors Algebra II
0753 <u>Advanced Placement Statistics C</u>	

AP Statistics is very similar to an introductory statistics course in many colleges. In this year long course students will be introduced to the major concepts and tools for collecting, displaying, analyzing, and drawing conclusions from data. Computers and calculators will aid in exploring the data and displaying it, while the Internet will be utilized to discover existing sets of data and studies. Certain distributions of data will be examined and characteristics identified. A well-developed design for collecting data will be studied and implemented throughout the course. This class will prepare students for the optional Advanced Placement exam for possible college credit. A graphing calculator is required for the course. The EHS Mathematics Department recommends the TI-84. Note: This is a year-long course. Students should register for all three courses.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 11

0750 ACT Prep

Grades 11, 12

Prerequisite: Currently enrolled in Algebra 2 or above

This class is recommended for college-bound juniors and seniors planning to take the ACT exam. Almost all undergraduate colleges and universities require that prospective students take the ACT. Taking this course will prepare students for all of the question types found on the ACT. We will analyze each of the test question areas and give special consideration to math and verbal refreshers and techniques aimed at relieving test-taking anxiety. Topics include sentence completions and reading comprehension for the reading section, grammar and essay writing for the writing section, scientific concepts for the science section, and basic and advanced math concepts (including fractions, decimals, percentages, ratios, proportions) and algebraic and geometric concepts for the math sections.

0757 Algebra II Concepts A

Grades 11, 12

0758 Algebra II Concepts B

Prerequisite: Intermediate Algebra I and Geometry

0759 Algebra II Concepts C

This course is for students who have had a full year of geometry. This course is designed for those students who need a slower pace. Students in this course will continue to learn to describe the world around them with algebraic expressions, equations, graphs, and statistics. Students may not enroll for this course if they have received credit for an Algebra II course. Some colleges and universities may not accept Algebra II Concepts in determining admission for students. College bound students are strongly urged to select a regular Algebra II course. The EHS Mathematics Department recommends the TI-84. Note: This is a year-long course. Students should register for all three courses.

0767 Algebra II A

Grades 11, 12

0768 Algebra II B

Prerequisite: Successful completion of Intermediate Algebra I and

0769 Algebra II C

Geometry

This course is for students who have had a full year of geometry. Students in this course will continue to learn to describe the world around them with algebraic expressions, equations, graphs and statistics. Topics studied in this course include linear, quadratic, exponential, logarithmic and trigonometric functions and matrices. A graphing calculator is required for this course. The EHS Mathematics Department recommends the TI-84. This is a year-long course. Students should register for all three courses.

0773 Advanced Placement PreCalculus A

Grades 11, 12

0774 Advanced Placement PreCalculus B

Prerequisite: Successful completion of Honors Algebra A, B, C

0775 Advanced Placement PreCalculus C

Precalculus topics in this course include a review of elementary functions, advanced properties of functions, polar coordinates, complex numbers, trigonometry, vectors, limits, parametric equations, and an introduction to calculus. Discrete Algebra topics that are included are sequences, series, the Binomial Theorem, Pascal's Triangle and mathematical induction. A graphing calculator is required for this course. The EHS Mathematics Department recommends the TI-84. Note: This is a year-long course. Students should register for all three courses. Students that pass the PreCalculus AP test may receive college credit.

0776 PreCalculus A

Grades 11, 12

0777 PreCalculus B

Prerequisite: Successful completion of Algebra II

0778 PreCalculus C

This course is for students who have passed Algebra II. Precalculus topics include a review of the elementary functions, advanced properties of functions, polar coordinates, and complex numbers, trigonometry, vectors, limits, parametric equations, and an introduction to calculus. Discrete Algebra topics that are included are sequences, series, the Binomial Theorem, Pascal's Triangle and mathematical induction. A graphing calculator is required for this course. The EHS Mathematics Department recommends the TI-84. Note: This is a year-long course. Students should register for all three courses.

MATHEMATICS COURSES

0797 <u>Advanced Placement: Computer Science A</u>	Grades 11, 12
0798 <u>Advanced Placement: Computer Science B</u>	Prerequisite: Algebra II, or Honors Algebra II
0799 <u>Advanced Placement: Computer Science C</u>	

AP Computer Science is similar to an introductory computer programming course in many colleges. The course is taught with an emphasis on program design and the Java programming language. The primary topics include: basics of computer architecture; binary representations; use of variables; line-oriented input/output; assignment statements; conditional statements; looping constructs; arrays; methods and parameter use; using the Java Standard Library; object oriented constructs (instantiation, inheritance, interfaces); simple searching, simple sorting; basics of recursion. Students will spend the majority of their time designing, coding, and testing their own applications. Several student projects will be assigned throughout the school year. This course prepares the student for the Advanced Placement exam for possible college credit. This is a year-long course -- students should register for all three trimesters of the course.

Success in this course does not necessarily require getting high grades in previous math courses, but rather the ability to think abstractly and in an organized fashion. Having a strong personal work ethic is required for success in this class.

AP Computer Science counts as a math credit towards graduation at Eagan High School, but may not be accepted as a math credit by some colleges and universities.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 12

0779 <u>College Algebra, Probability & Statistics (CAPS) A</u>	Grade 12
0780 <u>College Algebra, Probability & Statistics (CAPS) B</u>	Prerequisite: Algebra II
0781 <u>College Algebra, Probability & Statistics (CAPS) C</u>	

- A College Algebra with Trigonometry
- B College Algebra with Trigonometry
- C Probability/Statistics

College Algebra, Probability, and Statistics (CAPS) has been designed to meet the needs of SENIORS who have demonstrated an interest in continuing their mathematics study beyond Algebra II, but are not intending to pursue a post-secondary course of study with a math/science focus. The target group of students include those who demonstrate skills and abilities in mathematics that are greater than those needed for Tech Math but may be problematic for success in Pre-Calculus. Topics will include analyzing data, chance and probability, functions, and trigonometry.

A graphing calculator is required for this course. The EHS Mathematics Department recommends the TI-84. Note: This is a year-long course. Students should register for all three courses.

0770 <u>Technical Math Applications A</u>	Grade 12
0771 <u>Technical Math Applications B</u>	Prerequisite: Algebra II or Algebra II Concepts
0772 <u>Technical Math Applications C</u>	

This class is designed for students who have some difficulty with mathematics. Topics are studied through hands on activities. All of the problems are related to real life situations. Tech Math is a combination of Algebra, Geometry and Algebra 2. It also covers topics such as Voting Methods, the Stock Market, interest rates and other "real life" math situations. Note: This is a year-long course. Students should register for all three courses.

MATHEMATICS COURSES

0782 Advanced Placement AB: Calculus A
0783 Advanced Placement AB: Calculus B
0784 Advanced Placement AB: Calculus C

Grade 12
Prerequisite: Successful completion of Honors Precalculus

0791 Advanced Placement BC: Calculus A
0792 Advanced Placement BC: Calculus B
0793 Advanced Placement BC: Calculus C

Grade 12
Prerequisite: Successful completion of Honors Precalculus

The AP Program in mathematics includes two calculus courses. The two courses are designated as Calculus AB and Calculus BC. Both courses are full year courses, each with its own examination. Students pursuing careers in engineering and the physical sciences would benefit from these courses. They could begin their major curriculum earlier by meeting the calculus requirements by successfully passing the A.P. Exam. Students taking Calculus BC will receive a subscore grade for Calculus AB based on performance on the portion of the exam devoted to Calculus AB topics.

Both courses represent college-level mathematics. Students that pass the Calculus AB test may receive college semester credits. Students that pass the Calculus BC test may receive college semester credits.

0794 Multivariable Calculus A
0795 Multivariable Calculus B
0796 Multivariable Calculus C

Grade 12
Prerequisite: A.P. score of 3 or better on Calc BC
Successful completion of Advanced Placement Calculus BC class

This course will cover the same material as a college-level Multivariable Calculus course, including the same rigor, expectations, and special technological skills found in many 2nd and 3rd year college courses. Topics covered include a brief review of infinite series and parametric and polar coordinates, vector geometry and 3-dimensional graphing techniques, vector-valued functions, differentiation of several variables, multiple integration, line and surface integrals, and fundamental theorems of vector analysis. We will use graphing calculators extensively. The TI-84 is needed for this course. Note: This is a year-long course. Students should register for all three courses. College level credit is available for this course.

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PERFORMING ARTS COURSES

Music is a powerful form of human artistic expression. In a world of rapidly expanding technology and information, we re-affirm our own humanity through the arts. In creating and performing works of music we express ourselves by reflecting, and reacting to, the changing world around us.

Fostering a sense of the inter-related nature of the various artistic disciplines, the Music department offers students a broad range of courses designed to help them develop as artists and performers while gaining a life-long appreciation of the arts and an understanding of their history and the important role they play in our culture.

ALL CLASSES IN THIS DEPARTMENT MEET THE MINNESOTA ARTS STANDARD REQUIREMENT FOR GRADUATION.

BAND/INSTRUMENTAL MUSIC COURSES

0801	<u>9th Grade Band A</u>	Grade 9	
0802	<u>9th Grade Band B</u>	Prerequisite:	Students must have been enrolled in band for the previous school year.
0803	<u>9th Grade Band C</u>		

Band is a full-year course; students must register for all three trimesters (A/B/C).

9th Grade Band studies and performs various band music throughout the school year. The band performs alongside the upperclassmen bands during Trimester 1 and performs their own concerts in Trimester 2 and 3, including our 9th Grade Carnival Concert. Attendance at all band performances is a graded requirement and individual lessons are utilized to access individual student progress. (Any freshmen wishing to participate in co-curricular ensembles must be enrolled in 9th Grade Band.)

0847	<u>Varsity Band</u>	Grades 10, 11, 12	
		Prerequisite:	Students must have been enrolled in band for the previous school year.

Band is a full-year course; students must register for all three trimesters (A/B/C). For Trimester 1 (A), students must register for Varsity Band. For Trimesters 2 & 3 (B/C), students should register for their “place holder” band, assigned by the band directors in the spring.

Varsity band studies and performs various band music in addition to learning and performing the fundamentals of marching band. Attendance at all band performances is a graded requirement and individual lessons are utilized to assess individual student progress. The Varsity Band rehearsal schedule also includes multiple late-summer rehearsals to prepare for their fall marching performances.

Band placement auditions will be held in the early weeks of the fall trimester to determine final band placements for Trimesters 2 and 3. (Any student wishing to participate in co-curricular ensembles must be enrolled in Varsity Band and their T2/3 bands.)

0830	<u>Symphonic Band B</u>	Grades 10, 11, 12	
0831	<u>Symphonic Band C</u>	Prerequisite:	By audition and membership in 0847

Band is a full-year course; students must register for all three trimesters (A/B/C).

The Symphonic Band is an ensemble that performs band music from a variety of composers and styles. The ensemble mirrors the Concert Band and shares performances with them in Trimesters 1, 2, and 3. Attendance at all band performances is a graded requirement and individual lessons are utilized to assess individual student progress.

PERFORMING ARTS COURSES

0832 Concert Band B

Grades 10, 11, 12

0833 Concert Band C

Prerequisite: By audition and membership in 0847

Band is a full-year course; students must register for all three trimesters (A/B/C).

The Concert Band is an ensemble that performs band music from a variety of composers and styles. The ensemble mirrors the Symphonic Band and shares performances with them in Trimesters 1, 2, and 3. Attendance at all band performances is a graded requirement and individual lessons are utilized to assess individual student progress.

0848 Wind Ensemble B

Grades 10, 11, 12

0849 Wind Ensemble C

Prerequisite: By audition and membership in 0847

Band is a full-year course; students must register for all three trimesters (A/B/C).

The Wind Ensemble is an audition-based band intent on studying and performing the highest caliber of wind band literature. Students must attend private lessons and are strongly encouraged to take private music lessons outside of school when possible. Attendance at all band performances is a graded requirement and individual lessons are utilized to assess individual student progress.

0869 Jazz Lab Band A

Grades 10, 11, 12

0870 Jazz Lab Band B

Prerequisite: Enrolled in Band or teacher approval

0871 Jazz Lab Band C

The Jazz Lab Band is a full-year course; students must register for all three trimesters (A/B/C).

The Jazz Lab Band consists of music students looking to increase their knowledge and technical skills in jazz music. The course features the study of jazz ensemble music, an in-depth study of jazz improvisation to help students go from a beginner level to becoming more comfortable with creating their own improvised solos, as well as a study of jazz history and theory. (This course does not replace Jazz Ensemble rehearsals).

PERFORMING ARTS COURSES

0823 <u>Sonos A</u>	Grades 10, 11, 12
0824 <u>Sonos B</u>	Prerequisite: None
0825 <u>Sonos C</u>	Encouraged 2 trimesters minimum

Sonos is an opportunity for tenor, bass, and changing voice singers in grades 10-12 to come together, regardless of singing experience, and excel at performing more advanced music. Inexperienced and first-time singers welcomed! This choir performs all types of music... from pop/Broadway to classical, folk songs to freedom songs. Throughout the year, Sonos sings at four concerts on the Eagan stage, travels to a local choir festival and the Eagan Choirs travel internationally every three years! If you want to dive deeper into learning about your voice, we offer private voice lessons too. All three trimesters are recommended, but two trimesters is acceptable. Students in Sonos are also eligible to sing in Eagan's co-curricular choirs that meet one night a week!

0841 <u>Concert Choir A</u>	Grades 11, 12
0842 <u>Concert Choir B</u>	Prerequisite: Audition with Director
0843 <u>Concert Choir C</u>	

Concert Choir is a select choir for students in grades 11-12 who desire a strong background in choral singing. The choir will perform all styles of choral music ranging from the Renaissance to contemporary music. This ensemble will appear on all major concerts for the EHS choral department as well as festivals, contests, and other school events. Interested students should schedule a voice assessment with one of the choir directors. Attendance at performances is required. Students have the opportunity to take private and group voice lessons during the class period. Registering for all three trimesters is required. Eagan Choirs tour internationally every three years and students in Concert Choir are also eligible to sing in Eagan's co-curricular choirs that meet one night a week

0874 <u>Unified Choir A</u>	Grades 11, 12
0875 <u>Unified Choir B</u>	Prerequisite: One full year (3 trimesters) of a curricular choir or
0876 <u>Unified Choir C</u>	teacher approval.

Unified choir is dedicated to promoting social inclusion through shared singing and performances. Unified choir joins people with and without intellectual disabilities in the same ensemble. It was inspired by the unified sports principle: "training together and playing together is a quick path to friendship and understanding." This ensemble is open to 11-12th grade students with and without intellectual disabilities and 12th grade unified student leaders with a minimum of one full year (3 trimesters) of a curricular choir or teacher approval. Students must demonstrate personal responsibility and a desire to learn with students of all abilities and backgrounds.

PHYSICAL EDUCATION AND HEALTH COURSES

PROMOTING EMOTIONAL, PHYSICAL, MENTAL AND SOCIAL HEALTH AND WELLNESS

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 9

Students in Grade 9 are required to take 1 trimester course in Physical Education and 1 trimester course in health. The two required courses are:

0901 Issues in Wellness I

0903 Fitness for Life A

0928 Safety Education or 0929 Safety Education *See notes on page 42 about Safety Education

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 10

Students in Grade 10 are required to take one trimester course in health education and one trimester course in safety education. They are:

0926 Issues in Wellness II

0927 Safety Education Fall

0928 Safety Education Winter*

0929 Safety Education Spring*

*See notes on next page relating to 9th graders taking Safety Education classes.

In addition students must complete three additional courses in Physical Education from the open elective list for Grades 10-12.

0901 Issues in Wellness I

Grade 9

Prerequisite: None

Participation in Wellness I will focus on achieving wellness through identification and development of behaviors that promote physical and social health. Brain development, nutrition, fitness, prevention of communicable disease, family and social relationships will be covered. **THIS COURSE INCLUDES HIV/AIDS, AND HUMAN REPRODUCTION AND SEXUALLY TRANSMITTED INFECTIONS ARE PART OF THE CURRICULUM.** Students will be given the skills necessary to promote a positive healthy lifestyle for themselves and others. **Successful completion of this class is required for graduation.** This class must be taken in ninth grade.

0903 Fitness for Life A

Grade 9

Prerequisite: None

This course is an activity course in physical education. It will include a variety of individual and team sports with emphasis on fitness development and teamwork.

Fall activities include cross country, introduction to strength training, soccer, flag football, volleyball, and basketball

Winter activities include basketball, volleyball, team handball, floor hockey, indoor soccer, and speedball.

Spring activities include softball, track and field, ultimate Frisbee, disc golf, indoor soccer, and team handball.

0905 Freshman Team Activity

Grade 9

Prerequisite: None

This class will include a variety of individual and team sports with the emphasis on fitness development and teamwork. This is a physical education class for freshman only that does satisfy one of the high school phy-ed requirements.

PHYSICAL EDUCATION AND HEALTH COURSES

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

0926 Issues in Wellness II

Grades 10

Prerequisite: Issues in Wellness I

This course will focus on the development of wellness. Students will study such topics as physical and social health, stress, mental health, drug abuse prevention, the completion of the life cycle, non-communicable disease, and consumer health. Students will be given the skills necessary to promote a positive healthy lifestyle for themselves and others. **NOTE: Successful completion of this class is required for graduation.**

0927 Safety Education Fall

Grades 9, 10, 11, 12

0928 Safety Education Winter

Prerequisite: None

0929 Safety Education Spring

This course will cover driver education, accident prevention, and modern automobile safety procedures. The final three weeks of the course will provide students with CPR instruction. Students must enroll in a specific course number according to birth dates as follows:

- All 10th graders enroll in 0927.
- 9th grade students reaching the age of 15 on or before January 15 enroll in course number 0928.
- 9th grade students reaching the age of 15 after January 15 enroll in course number 0929.

NOTE: Ninth grade students may elect Safety Education 0928 or 0929, depending on their date of birth.

0931 Racquet Sports

Grades 10, 11, 12

Prerequisite: None

This course will promote fitness through instruction in the lifelong activities of table tennis, badminton, pickleball and tennis. Individual and team tournaments will be included.

0932 Fall Team Activities

Grades 10, 11, 12

Prerequisite: None

This activities course will emphasize physical fitness through participation in team sports. Units included will be: football, soccer, team handball, ultimate Frisbee, and dodgeball. Protective eyewear must be furnished by the student.

0933 Winter Team Activities

Grades 10, 11, 12

Prerequisite: None

This activities course will emphasize physical fitness through participation in team sports. Units included in the course will be: floor hockey, team handball and basketball. Protective eyewear must be furnished by the student.

0934 Spring Team Activities

Grades 10, 11, 12

Prerequisite: None

This activities course will emphasize physical fitness through participation in team sports. Units included in the course will be: team handball, disc golf, lacrosse, ultimate frisbee and softball. Protective eyewear must be furnished by the student.

PHYSICAL EDUCATION AND HEALTH COURSES

0935 Lifetime Sports

Grades 10, 11, 12
Prerequisite: None

This course will offer skills instruction in disc golf, badminton, backyard games and bowling. There will be a suggested donation of \$90 for the bowling field trips which are included in the course.

0936 Racquet Sports II

Grades 10, 11, 12
Prerequisite: 0931 Racquet Sports

Racquet Sports II will promote life long activity and will provide an opportunity for students to understand, practice and apply the advanced skills and strategies in the various sports such as badminton, pickle ball, table tennis as played by National and International teams.

0940 First Aid: Prevention and Care of Injuries

Grades 10, 11, 12
Prerequisite: None

This course is designed to offer students the knowledge in injury treatment to perform basic principles of first aid training. The course will include the following topics: injuries occurring as a result of participation in athletics and activities; procedures and techniques in the prevention and care of injuries; and the first aiders role and the trainers role in the care of injuries. First Aid/CPR Certification can be obtained with completion of Red Cross requirements.

0944 Volleyball

Grades 10, 11, 12
Prerequisite: None

Volleyball will provide an opportunity for students to understand and apply the basic skills in Volleyball. It will include basic skills, rules of the game, strategies and tournament play.

0948 Practical Self Defense

Grades 10, 11, 12
Prerequisite: None

This course will provide basic instruction in practical self defense such as: defense maneuvers, personal safety, legal issues, weight training, conditioning, coordination and self-confidence. This course is designed for students with little or no self-defense experience.

0949 Stress Management

Grades 10, 11, 12
Prerequisite: None

This class is designed to provide a detailed study of individual stressors, the stress response, and stress management skills. The class includes identifying individual differences to evaluate stress, responding to stress and developing appropriate stress management skills to deal with stress in a healthy manner.

PHYSICAL EDUCATION AND HEALTH COURSES

0950 Sports Officiating

Grades 10, 11, 12

Prerequisite: None

Become a referee! This course will train individuals to be a referee for a variety of youth and high school sports providing them opportunities for hire. The sports that students will train to officiate will include: Football, Basketball, Baseball, Soccer and Volleyball.

0960 Volleyball II

Grades 11, 12

Prerequisite: Volleyball, 0944

This class will provide an opportunity for students to apply advanced skills in volleyball. It will include power skills, advanced offensive and defensive strategies, coaching techniques, game preparation, and knowledge of rules for officiating.

0961 Advanced Basketball

Grades 11, 12

Prerequisite: None

This course will provide an opportunity for students to apply advanced skills in basketball. It will include fundamental skills, advanced offensive and defensive strategies, and skill challenges. It will explore innovative levels of diversified games. Students will be given the experience necessary to use basketball as a lifetime activity. This course is open to students of all skill levels.

0962 Indoor Soccer

Grades 10, 11, 12

Prerequisite: None

This course will provide the unique opportunity for students to participate in one of the fastest growing lifetime activities. Experience the excitement of Indoor Soccer. This class will include fundamental skill review, advanced offensive and defensive strategies, coaching techniques and game preparation. Tournament and league play will be utilized. This course is open to students of all skill levels.

0963 Indoor Soccer II

Grades 11, 12

Prerequisites: 0962 Indoor Soccer

This course will provide students with an understanding of the rules of soccer, advanced skill development, offer game play and use of team strategy, and knowledge of the rules for officiating. This course is open to students who have successfully completed 0962 Indoor Soccer.

0964 Strength Training I

Grades 10, 11, 12

Prerequisite: None

This introductory course will introduce students to all aspects of strength training and conditioning. Emphasis will be on safety, basic lifting techniques, and the concept of total fitness training. Note: This course is a prerequisite to all other strength training courses.

0965 Strength Training II

Grades 11, 12

Prerequisite: 0964 Strength Training I/ES4

This intermediate strength training course will utilize all types of training apparatus to introduce students to the "systems" approach to weight training. Students will begin to learn how to design an effective training program.

PHYSICAL EDUCATION AND HEALTH COURSES

0970 Aerobics I

Grades 10, 11, 12
Prerequisite: None

This course is a beginning level class designed to teach the basics of aerobics and to motivate students to change their personal fitness levels. A variety of low impact activities will be used to strengthen muscles and increase cardiovascular level. Activities will include low impact aerobics, power walking, conditioning, yoga and pilates.

0971 Aerobics II

Grades 10, 11, 12
Prerequisite: None

This course will focus on increasing fitness levels by using step aerobics, double step, muscle conditioning and weight training. The class activities will increase your aerobic capacity, muscle strength and cardiovascular fitness.

0972 Aerobics III

Grades 10, 11, 12
Prerequisite: None

This course is designed to enhance personal fitness levels. Components of instruction will be physiology, nutrition, muscle conditioning, toning muscles and cardiovascular conditioning, through the use of low impact/high intensity aerobics and step aerobics.

0973 Aerobics IV

Grades 10, 11, 12
Prerequisite: Aerobics I

This course is designed to provide the opportunity for students to reach a higher level of fitness and to apply knowledge to a lifetime of physical activities. Aerobics offers a way to increase cardiovascular conditioning as well as strengthen and tone muscles. This will be accomplished by the use of low impact/high intensity aerobics and step aerobics.

0974 Unified Physical Education

Grades 10, 11, 12
Prerequisite: None

This combined General Education and Adapted Physical Education class will allow students to improve performance of self and others in recreational and fitness activities. This class is an opportunity to join people with and without disabilities in the same class. This class is inspired by a simple principle: playing together is a quick path to friendship and understanding. Students will have the opportunity to participate in and make modifications for themselves and others. **Students may take this course one time for PE credit and additional times for general elective credit.**

0966 Strength Training III

Grades 11, 12
Prerequisite: 0965 Strength Training II/ES4

This advanced strength training will teach students how to plan and prepare an individualized program designed to meet specific goals of training. Students will create programs while considering exercise selections, training frequency, exercise order, training load and repetitions, volume and rest periods.

PHYSICAL EDUCATION AND HEALTH COURSES

0975 Strength Training for Women

Grades 10, 11, 12
Prerequisite: None

This course will use various skills and instruction for physical conditioning for women. In this course students will use proper stretching techniques, plyometrics, free weights and other equipment in which to train and condition. Emphasis will be on safety, proper training methods and the concepts of overall fitness training.

0967 S.P.A.R.Q. Fall – Speed, Power, Agility, Reaction and Quickness

Grade 10, 11, 12
Prerequisite: None

The SPARQ class is not just for the student athlete but for anyone who wants to be challenged to take their fitness to the next level. Students will get out of the class what they put in but in the end they will have learned a lot about different types of workouts, how to use many different types of equipment and how to work with many different types of people. The greatest reward each student will learn is confidence. It is an opportunity for individualized learning for students interested in personal speed, power, agility, and quickness development. This class is established as a block period of zero hour through period 1 and meets on an every other day basis.

0968 S.P.A.R.Q. Winter - Speed, Power, Agility, Reaction and Quickness

Grade 10, 11, 12
Prerequisite: None

The SPARQ class is not just for the student athlete but for anyone who wants to be challenged to take their fitness to the next level. Students will get out of the class what they put in but in the end they will have learned a lot about different types of workouts, how to use many different types of equipment and how to work with many different types of people. The greatest reward each student will learn is confidence. It is an opportunity for individualized learning for students interested in personal speed, power, agility, and quickness development. This class is established as a block period of zero hour through period 1 and meets on an every other day basis.

0969 S.P.A.R.Q. Spring - Speed, Power, Agility, Reaction and Quickness

Grade 10, 11, 12
Prerequisite: None

The SPARQ class is not just for the student athlete but for anyone who wants to be challenged to take their fitness to the next level. Students will get out of the class what they put in but in the end they will have learned a lot about different types of workouts, how to use many different types of equipment and how to work with many different types of people. The greatest reward each student will learn is confidence. It is an opportunity for individualized learning for students interested in personal speed, power, agility, and quickness development. This class is established as a block period of zero hour through period 1 and meets on an every other day basis.

PHYSICAL EDUCATION AND HEALTH COURSES

PROMOTING EMOTIONAL, PHYSICAL, MENTAL AND SOCIAL HEALTH AND WELLNESS

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 9

Students in Grade 9 are required to take 1 trimester course in Physical Education and 1 trimester course in health. The two required courses are:

- 0901 Issues in Wellness I
0903 Fitness for Life A
0928 Safety Education or 0929 Safety Education *See notes on page 42 about Safety Education

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 10

Students in Grade 10 are required to take one trimester course in health education and one trimester course in safety education. They are:

- 0926 Issues in Wellness II
0927 Safety Education Fall
0928 Safety Education Winter*
0929 Safety Education Spring*

*See notes on next page relating to 9th graders taking Safety Education classes.

In addition students must complete three additional courses in Physical Education from the open elective list for Grades 10-12.

0901 Issues in Wellness I Grade 9 Prerequisite: None

Participation in Wellness I will focus on achieving wellness through identification and development of behaviors that promote physical and social health. Brain development, nutrition, fitness, prevention of communicable disease, family and social relationships will be covered. THIS COURSE INCLUDES HIV/AIDS, AND HUMAN REPRODUCTION AND SEXUALLY TRANSMITTED INFECTIONS ARE PART OF THE CURRICULUM. Students will be given the skills necessary to promote a positive healthy lifestyle for themselves and others. Successful completion of this class is required for graduation. This class must be taken in ninth grade.

0903 Fitness for Life A Grade 9 Prerequisite: None

This course is an activity course in physical education. It will include a variety of individual and team sports with emphasis on fitness development and teamwork. Fall activities include cross country, introduction to strength training, soccer, flag football, volleyball, and basketball. Winter activities include basketball, volleyball, team handball, floor hockey, indoor soccer, and speedball. Spring activities include softball, track and field, ultimate Frisbee, disc golf, indoor soccer, and team handball.

0905 Freshman Team Activity Grade 9 Prerequisite: None

This class will include a variety of individual and team sports with the emphasis on fitness development and teamwork. This is a physical education class for freshman only that does satisfy one of the high school phy-ed requirements.

PHYSICAL EDUCATION AND HEALTH COURSES

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

0926 Issues in Wellness II

Grades 10

Prerequisite: Issues in Wellness I

This course will focus on the development of wellness. Students will study such topics as physical and social health, stress, mental health, drug abuse prevention, the completion of the life cycle, non-communicable disease, and consumer health. Students will be given the skills necessary to promote a positive healthy lifestyle for themselves and others. **NOTE: Successful completion of this class is required for graduation.**

0927 Safety Education Fall

Grades 9, 10, 11, 12

0928 Safety Education Winter

Prerequisite: None

0929 Safety Education Spring

This course will cover driver education, accident prevention, and modern automobile safety procedures. The final three weeks of the course will provide students with CPR instruction. Students must enroll in a specific course number according to birth dates as follows:

- All 10th graders enroll in 0927.
- 9th grade students reaching the age of 15 on or before January 15 enroll in course number 0928.
- 9th grade students reaching the age of 15 after January 15 enroll in course number 0929.

NOTE: Ninth grade students may elect Safety Education 0928 or 0929, depending on their date of birth.

0931 Racquet Sports

Grades 10, 11, 12

Prerequisite: None

This course will promote fitness through instruction in the lifelong activities of table tennis, badminton, pickleball and tennis. Individual and team tournaments will be included.

0932 Fall Team Activities

Grades 10, 11, 12

Prerequisite: None

This activities course will emphasize physical fitness through participation in team sports. Units included will be: football, soccer, team handball, ultimate Frisbee, and dodgeball. Protective eyewear must be furnished by the student.

0933 Winter Team Activities

Grades 10, 11, 12

Prerequisite: None

This activities course will emphasize physical fitness through participation in team sports. Units included in the course will be: floor hockey, team handball and basketball. Protective eyewear must be furnished by the student.

0934 Spring Team Activities

Grades 10, 11, 12

Prerequisite: None

This activities course will emphasize physical fitness through participation in team sports. Units included in the course will be: team handball, disc golf, lacrosse, ultimate frisbee and softball. Protective eyewear must be furnished by the student.

PHYSICAL EDUCATION AND HEALTH COURSES

0935 Lifetime Sports

Grades 10, 11, 12

Prerequisite: None

This course will offer skills instruction in disc golf, badminton, backyard games and bowling. There will be a suggested donation of \$90 for the bowling field trips which are included in the course.

0936 Racquet Sports II

Grades 10, 11, 12

Prerequisite: 0931 Racquet Sports

Racquet Sports II will promote life long activity and will provide an opportunity for students to understand, practice and apply the advanced skills and strategies in the various sports such as badminton, pickle ball, table tennis as played by National and International teams.

0940 First Aid: Prevention and Care of Injuries

Grades 10, 11, 12

Prerequisite: None

This course is designed to offer students the knowledge in injury treatment to perform basic principles of first aid training. The course will include the following topics: injuries occurring as a result of participation in athletics and activities; procedures and techniques in the prevention and care of injuries; and the first aiders role and the trainers role in the care of injuries. First Aid/CPR Certification can be obtained with completion of Red Cross requirements.

0944 Volleyball

Grades 10, 11, 12

Prerequisite: None

Volleyball will provide an opportunity for students to understand and apply the basic skills in Volleyball. It will include basic skills, rules of the game, strategies and tournament play.

0948 Practical Self Defense

Grades 10, 11, 12

Prerequisite: None

This course will provide basic instruction in practical self defense such as: defense maneuvers, personal safety, legal issues, weight training, conditioning, coordination and self-confidence. This course is designed for students with little or no self-defense experience.

0949 Stress Management

Grades 10, 11, 12

Prerequisite: None

This class is designed to provide a detailed study of individual stressors, the stress response, and stress management skills. The class includes identifying individual differences to evaluate stress, responding to stress and developing appropriate stress management skills to deal with stress in a healthy manner.

PHYSICAL EDUCATION AND HEALTH COURSES

0950 Sports Officiating

Grades 10, 11, 12

Prerequisite: None

Become a referee! This course will train individuals to be a referee for a variety of youth and high school sports providing them opportunities for hire. The sports that students will train to officiate will include: Football, Basketball, Baseball, Soccer and Volleyball.

0960 Volleyball II

Grades 11, 12

Prerequisite: Volleyball, 0944

This class will provide an opportunity for students to apply advanced skills in volleyball. It will include power skills, advanced offensive and defensive strategies, coaching techniques, game preparation, and knowledge of rules for officiating.

0961 Advanced Basketball

Grades 11, 12

Prerequisite: None

This course will provide an opportunity for students to apply advanced skills in basketball. It will include fundamental skills, advanced offensive and defensive strategies, and skill challenges. It will explore innovative levels of diversified games. Students will be given the experience necessary to use basketball as a lifetime activity. This course is open to students of all skill levels.

0962 Indoor Soccer

Grades 10, 11, 12

Prerequisite: None

This course will provide the unique opportunity for students to participate in one of the fastest growing lifetime activities. Experience the excitement of Indoor Soccer. This class will include fundamental skill review, advanced offensive and defensive strategies, coaching techniques and game preparation. Tournament and league play will be utilized. This course is open to students of all skill levels.

0963 Indoor Soccer II

Grades 11, 12

Prerequisites: 0962 Indoor Soccer

This course will provide students with an understanding of the rules of soccer, advanced skill development, offer game play and use of team strategy, and knowledge of the rules for officiating. This course is open to students who have successfully completed 0962 Indoor Soccer.

0964 Strength Training I

Grades 10, 11, 12

Prerequisite: None

This introductory course will introduce students to all aspects of strength training and conditioning. Emphasis will be on safety, basic lifting techniques, and the concept of total fitness training. Note: This course is a prerequisite to all other strength training courses.

0965 Strength Training II

Grades 11, 12

Prerequisite: 0964 Strength Training I/ES4

This intermediate strength training course will utilize all types of training apparatus to introduce students to the "systems" approach to weight training. Students will begin to learn how to design an effective training program.

PHYSICAL EDUCATION AND HEALTH COURSES

0970 Aerobics I

Grades 10, 11, 12
Prerequisite: None

This course is a beginning level class designed to teach the basics of aerobics and to motivate students to change their personal fitness levels. A variety of low impact activities will be used to strengthen muscles and increase cardiovascular level. Activities will include low impact aerobics, power walking, conditioning, yoga and pilates.

0971 Aerobics II

Grades 10, 11, 12
Prerequisite: None

This course will focus on increasing fitness levels by using step aerobics, double step, muscle conditioning and weight training. The class activities will increase your aerobic capacity, muscle strength and cardiovascular fitness.

0972 Aerobics III

Grades 10, 11, 12
Prerequisite: None

This course is designed to enhance personal fitness levels. Components of instruction will be physiology, nutrition, muscle conditioning, toning muscles and cardiovascular conditioning, through the use of low impact/high intensity aerobics and step aerobics.

0973 Aerobics IV

Grades 10, 11, 12
Prerequisite: Aerobics I

This course is designed to provide the opportunity for students to reach a higher level of fitness and to apply knowledge to a lifetime of physical activities. Aerobics offers a way to increase cardiovascular conditioning as well as strengthen and tone muscles. This will be accomplished by the use of low impact/high intensity aerobics and step aerobics.

0974 Unified Physical Education

Grades 10, 11, 12
Prerequisite: None

This combined General Education and Adapted Physical Education class will allow students to improve performance of self and others in recreational and fitness activities. This class is an opportunity to join people with and without disabilities in the same class. This class is inspired by a simple principle: playing together is a quick path to friendship and understanding. Students will have the opportunity to participate in and make modifications for themselves and others. **Students may take this course one time for PE credit and additional times for general elective credit.**

0966 Strength Training III

Grades 11, 12
Prerequisite: 0965 Strength Training II/ES4

This advanced strength training will teach students how to plan and prepare an individualized program designed to meet specific goals of training. Students will create programs while considering exercise selections, training frequency, exercise order, training load and repetitions, volume and rest periods.

PHYSICAL EDUCATION AND HEALTH COURSES

0975 Strength Training for Women

Grades 10, 11, 12
Prerequisite: None

This course will use various skills and instruction for physical conditioning for women. In this course students will use proper stretching techniques, plyometrics, free weights and other equipment in which to train and condition. Emphasis will be on safety, proper training methods and the concepts of overall fitness training.

0967 S.P.A.R.Q. Fall – Speed, Power, Agility, Reaction and Quickness

Grade 10, 11, 12
Prerequisite: None

The SPARQ class is not just for the student athlete but for anyone who wants to be challenged to take their fitness to the next level. Students will get out of the class what they put in but in the end they will have learned a lot about different types of workouts, how to use many different types of equipment and how to work with many different types of people. The greatest reward each student will learn is confidence. It is an opportunity for individualized learning for students interested in personal speed, power, agility, and quickness development. This class is established as a block period of zero hour through period 1 and meets on an every other day basis.

0968 S.P.A.R.Q. Winter - Speed, Power, Agility, Reaction and Quickness

Grade 10, 11, 12
Prerequisite: None

The SPARQ class is not just for the student athlete but for anyone who wants to be challenged to take their fitness to the next level. Students will get out of the class what they put in but in the end they will have learned a lot about different types of workouts, how to use many different types of equipment and how to work with many different types of people. The greatest reward each student will learn is confidence. It is an opportunity for individualized learning for students interested in personal speed, power, agility, and quickness development. This class is established as a block period of zero hour through period 1 and meets on an every other day basis.

0969 S.P.A.R.Q. Spring - Speed, Power, Agility, Reaction and Quickness

Grade 10, 11, 12
Prerequisite: None

The SPARQ class is not just for the student athlete but for anyone who wants to be challenged to take their fitness to the next level. Students will get out of the class what they put in but in the end they will have learned a lot about different types of workouts, how to use many different types of equipment and how to work with many different types of people. The greatest reward each student will learn is confidence. It is an opportunity for individualized learning for students interested in personal speed, power, agility, and quickness development. This class is established as a block period of zero hour through period 1 and meets on an every other day basis.

SCIENCE COURSES

Scientific thinking is a powerful skill to possess, and our Science Department at EHS believe that domestic and global citizenship **requires** the use of the scientific method, data analysis, and scientific literacy. For this reason, our courses emphasize data driven decision making and hands-on problem solving. Students can expect to be challenged and supported academically by our experienced teachers who are passionate about their subject area. Our department has high standards for our students, which are evident by our Science MCA test scores. Over the last decade EHS has consistently ranked in the top 5 schools in the state for these tests. At EHS students can explore a variety of paths that will challenge them throughout their high school career. We offer a comprehensive list of required and elective courses that we believe will better prepare your student for the competitive global market.

The state of Minnesota requires successful completion of 3 years of science courses for graduation. Within these three courses Biology must be completed along with one of the following courses: Chemistry, Chemistry Fundamentals or Physics. To satisfy the required state standards ISD 196 also requires our Physical Earth Science course for graduation.

The following are general course sequences that students and their parents can use as a guide when registering at EHS.

For college-bound students who desire a challenge

9th Grade	10th Grade	11th Grade	12th Grade
Honors Earth Science <i>*Required to Graduate</i>	Honors Biology <i>*Required to Graduate</i>	Honors Chemistry <i>*Required to Graduate</i>	AP Physics <i>*Elective Some Colleges Require</i>

For those students who are planning on post secondary education

9th Grade	10th Grade	11th Grade	12th Grade
Earth Science <i>*Required to Graduate</i>	Biology <i>*Required to Graduate</i>	Chemistry (or Physics) <i>*Required to Graduate</i>	Physics (or Chemistry) <i>*Elective Some Colleges Require</i>

For the student who has difficulty with Science

9th Grade	10th Grade	11th Grade	12th Grade
Earth Science <i>*Required to Graduate</i>	General Science <i>*Bio and Chem Prep Course</i>	Biology <i>*Required to Graduate</i>	Chemistry Fundamentals <i>*Required to Graduate</i>

In addition to our core courses the science department also offers additional electives students may choose to take in conjunction with the four core courses above.

- Astronomy, Meteorology, Geology
- Outdoor Science Investigations (OSI)
- Summer Science Institute
- AP Biology
- AP Chemistry
- CIS Human Physiology
- Environmental Science

Note: Students with the academic ability to take A.P. Biology, A.P. Chemistry or CIS Human Physiology should do so in conjunction (second elective) with our core courses their junior and senior years (Chemistry, Physics)

There is another available academic track only for those outstanding college-bound students who are considering a career in a STEM related field, desire a challenge, and are a full year ahead in their honors math coursework.

9th Grade	10th Grade	11th Grade	12th Grade
Honors Earth Science <i>*Required to Graduate</i>	Honors Biology <u>concurrently</u> with Honors Chemistry <i>*Required to Graduate</i> <i>*Must exceed math prerequisite for H. chem</i>	By completing both Honors Biology and Honors Chemistry in 10th grade students can tailor their last two years to include as many AP and CIS Science courses as they desire. One common track is to take AP Biology and AP Chemistry in 11th grade leaving AP Physics and CIS Human Physiology for 12th grade. Many students are successful “doubling up” in these courses, while others choose to only take one each year.	

Summer Experiential Learning Option

The EHS science department also offers an outstanding summer course that is unlike anything else offered in the area. Our Summer Science Institute is a one credit course where students experience a multi-day canoeing trip in northern Minnesota. Students have an opportunity to apply for Summer Science Institute during, or any year after, they take biology.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 9

1001 <u>Earth Science A</u>	Grades 9	
1002 <u>Earth Science B</u>	Prerequisite:	None
1003 <u>Earth Science C</u>		

Earth Science is a year-long course required for all 9th graders. This course will explore the earth science curriculum through phenomena observed in our environment. Much of the curriculum is activity centered and laboratory based instruction. The first trimester will include the Nature of Science, Universe, and Stellar Evolution. The second trimester topics include Climate, Energy, and our Changing Climate. The third trimester will provide a basic foundation in geology including: Weathering and Erosion, Plate Tectonics, Volcanoes, and Earthquakes.

1004 <u>Honors Earth Science A</u>	Grade 9	
1005 <u>Honors Earth Science B</u>	Prerequisite:	Fast paced algebra or higher math course in Grade 9, Recommendation by 8 th grade Science teacher, High math and science standardized test scores
1006 <u>Honors Earth Science C</u>		

Honors Earth Science is a year-long course required for all 9th graders. This course will explore the earth science curriculum through phenomena observed in our environment. Much of the curriculum is activity centered and laboratory based instruction with an emphasis in math. The first trimester will include the Nature of Science, Universe, and Stellar Evolution. The second trimester topics include Climate, Energy, and our Change Climate. The third trimester will provide a basic foundation in geology including: Weathering and Erosion, Plate Tectonics, Volcanoes, and Earthquakes. This course is a large jump in rigor, critical thinking, and algebra based skills from middle school sciences. Students completing this course with a grade of "C" or higher, may use the credit to qualify for an honors status toward graduation.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

1026 <u>General Science A</u>	Grades 10, 11, 12	
1027 <u>General Science B</u>	Prerequisite:	None
1028 <u>General Science C</u>		

General Science is a year long course designed to help the certain 10th through 12th grade students meet a second year of their science requirement. The goal of this year-long course is to develop an understanding of the major concepts in biology, chemistry and the physical world in an integrated manner. These concepts will be studied by analyzing their practical applications. Topics in the Fall focus on the nature of science, and a study of environmental science and biology.

1031 <u>Biology A</u>	Grades 10, 11, 12	
1032 <u>Biology B</u>	Prerequisite:	Passed Earth Science or General Science
1033 <u>Biology C</u>		

Biology is a yearlong course that is required to fulfill a graduation standard for the state of Minnesota. This course is focused on developing a conceptual, but thorough understanding of the biological sciences through guided inquiry. The main topics covered throughout the year include the nature of science, ecology, biochemistry, cellular biology, genetics, and evolution.

1037 <u>Astronomy</u>	Grades 10, 11, 12	
	Prerequisite:	3 credits in Earth Science

This course will give the students an advanced understanding of our universe. In class we will take a deeper look at our solar system, the celestial sphere, space debris, electromagnetic spectrum, stellar evolution, cosmology, and space travel. A field trip is scheduled to the planetarium that all students are encouraged to attend for a small fee.

SCIENCE COURSES

1038 Meteorology Grades 10, 11, 12
Prerequisite: 3 credits in Earth Science

This course will give students an advanced understanding of our weather, climate, and atmospheric conditions and climate change here on earth. Students will engage in hands-on activities related to our atmosphere, pressure, clouds, forecasting, and severe weather. Students will have an opportunity to participate in a television forecasting simulation in the Eagan AM studio.

1039 Field Geology Grades 10, 11, 12
Prerequisite: 3 credits in Earth Science

This course will give the students an advanced understanding of the physical world around us. In class we will take an in-depth look at Minnesota Geology through many hands-on labs and field trips. The field trips include: Crystal Cave Tour, Taylors Falls State Park, and a Sandstone Quarry. We will also become more familiar with the fossil record, earth's destructive past, and earth resources in a hands-on setting. This class has some small expenses for field trips.

1040 Environmental Science Grade 10-12
Prerequisite: None

This one-trimester course functions as an introduction to the field of Environmental Science. Environmental Science provides students with the foundation of scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. The course begins by building a foundational knowledge on environmental systems and nutrient cycling. We later move on to learning about the realities of climate change and possible solutions. The goal of this class is to understand the interactions between Earth's natural systems and the demands placed on them by the human population.

1041 Honors Biology A
1042 Honors Biology B
1043 Honors Biology C Grades 10, 11, 12
Prerequisite: 3 credits in Earth Science or
Honors Earth Science

This course is designed for the above average 10th grade student with a strong interest in science. To experience success, students should be self-motivated, independent learners, who also can work well in a collaborative setting. Students will work to develop learning skills using the biological sciences as their lens. The specific skills focused on within this process are: experimental design, research, scientific writing, data analysis, and scientific problem solving. Topics covered over the course of the year include: The Nature of Science, Ecology, Biochemistry, DNA, Cells, Cellular processes, Genetics, Evolution, and Biotechnology. Students completing this course with a grade of "C" or higher, may use the credit to qualify for an honors ranking.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 11

0750 ACT Prep Grades 11, 12
Prerequisite: Currently enrolled in Algebra 2 or above

This class is recommended for college-bound juniors and seniors planning to take the ACT exam. Almost all undergraduate colleges and universities require that prospective students take the ACT. Taking this course will prepare students for all of the question types found on the ACT. We will analyze each of the test question areas and give special consideration to math and verbal refreshers and techniques aimed at relieving test-taking anxiety. Topics include sentence completions and reading comprehension for the reading section, grammar and essay writing for the writing section, scientific concepts for the science section, and basic and advanced math concepts (including fractions, decimals, percentages, ratios, proportions) and algebraic and geometric concepts for the math sections.

SCIENCE COURSES

1073 Advanced Placement Biology A
1074 Advanced Placement Biology B
1075 Advanced Placement Biology C

Grades 11, 12
Prerequisite: 3 credits in Biology or Honors Biology

AP Biology is designed as a 2nd year Biology class for students who intend to pursue a science or science related career. It aims to provide students with the conceptual framework factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Topics covered first trimester will include biochemistry, cell structure and function, and cellular energetics. Laboratory experiences will enhance the learning process throughout the year. Topics to be covered in trimester two include Molecular Genetics, Evolution, and the Diversity of Organisms. Topics to be covered in trimester three include the Diversity of Organisms, Structure and Function of Plants and Animals, and Ecology. This course is comparable to a college level general biology course and will help prepare students for the advanced placement exam which will be given in the Spring for college credit. Students completing this course with a grade of "C" or higher, may use the credit to quality for an honors ranking.

1051 Chemistry A
1052 Chemistry B
1053 Chemistry C

Grades 11, 12
Prerequisite: Biology and concurrently in Algebra II or higher

This course will introduce students to the theory and practice of chemistry. Chemistry utilizes abstract thought processes and mathematical manipulation to understand the chemical composition and interaction between substances. Students will study properties of matter, significance and validity of measurements, atomic structure, development and use of the periodic table, and gas laws, chemical nomenclature, chemical bonding, writing chemical equations, the mole concept, stoichiometry, solutions, chemical equilibrium, reaction rates, and acid/base chemistry. The course will include significant use of lab analysis and mathematical calculations.

1054 Summer Science Institute I

Grades - Completed 10th grade
Prerequisite: **By application only.**
Camping/ canoeing experience not required.
Outfitting/transportation fee is required.
passing grade in 2 years of Science
and teacher recommendation.

The institute will require two weeks of your time in the summer. There will be a classroom session at EHS where the students will design a field exploration in the area of their choice; the second week will take place on Lake of the Woods carrying out the field work while learning canoeing and camping techniques. The course work will also involve math, English/Language Arts, and social studies as they relate to the institute experience.

Students interested in this institute must be highly self-directed learners. It is imperative however, that the students chosen for this experience are also able to work successfully in a group setting.

Applications for the course are available from Mr. Kolehmainen. Institute dates: Last week of June—see websiste for exact dates.

SCIENCE COURSES

1055 Outdoor Science Investigations A

Grades 11, 12

1056 Outdoor Science Investigations B

Prerequisite: 3 credits in Earth Science AND

1057 Outdoor Science Investigations C

3 credits in Biology

This class is designed for students who have an interest in our local environment, its ecology, and the organisms that inhabit it. OSI (Outdoor Science Investigations) is a hands-on class with an emphasis on project based learning that will provide students the opportunity to develop skills that allow them to connect to the environments around them. Students will be spending a significant amount of time outside throughout the year as a part of this course. Topics to be covered in this year-long course will include: navigation, outdoor survival, recreation specific to our state, studies of Minnesota's plants and animals including their identification, classification, basic physiology and behavioral characteristics with the main focus on our trees, fish, birds, amphibians and reptiles of our state. Other topics that will be mentioned include Minnesota Geology, a brief daily historical event and the study of various mammals. We will also discuss conservation issues that affect our state and how they affect Minnesota's 3 biomes. Each trimester will culminate with a final project that will focus on giving students better access to the outdoors. Although this is a yearlong course students can enroll for individual trimesters as every unit will focus through the specific lens that each season (Fall, Winter, Spring) has to offer.

1058 Chemistry Fundamentals A

Grades 11, 12

1059 Chemistry Fundamentals B

Prerequisite: 2 years of Science

1060 Chemistry Fundamentals C

The purpose of this course is to provide an alternative approach to our General Chemistry course that meets the minimum Minnesota graduation chemistry standards. This course will focus on the conceptual nature of chemistry while minimizing the mathematical rigor. This course is not designed for college bound students. Topics covered during all three trimesters include: scientific thinking, atomic structure, periodic properties, chemical nomenclature, chemical reactions, bonding theory, behavior of matter, solution chemistry, acid/base chemistry

1061 Honors Chemistry A

Grades 11, 12 (10, if surpassed math prerequisite below)

1062 Honors Chemistry B

Prerequisite: Honors Biology and Honors Algebra II or higher

1063 Honors Chemistry C

Honors Chemistry utilizes abstract thought process and mathematical manipulation to understand the chemical composition and interaction between substances. In comparison to our regular chemistry course this course will dive deeper and at an accelerated rate throughout the year. It also will utilize video instruction, online resources, and other technology heavily in our learning process. Finally, it will offer greater detail and more emphasis on independent learning than the General Chemistry course. The Science Department recommends only students with a high interest and ability in science and mathematics to take this course. Concepts to be studied include the nature of science and measurement, the organization of matter, the periodic table, chemical nomenclature, chemical reactions, stoichiometry, thermochemistry, gas laws, periodicity, mechanisms of chemical bonding, solution chemistry, reaction rates, equilibrium, acid/base chemistry, electrochemistry and nuclear chemistry. Students completing this course with a grade of "C" or higher, may use the credit to qualify for an honors ranking.

1070 Physics A

Grades 11, 12

1071 Physics B

Prerequisite: Algebra II, Biology or Chemistry

1072 Physics C

This course is a mathematical and conceptual survey of general physics, intended to prepare the student for general education science in college. Topics covered will include motion, forces, waves, sound, light, electricity, magnetism, and energy. Lab work will be used to examine principles of physics and to show applications in practical and common situations.

1091 <u>Advanced Placement Physics IA</u>	Grade 11, 12	
1092 <u>Advanced Placement Physics IB</u>	Prerequisite:	Algebra II or higher
1093 <u>Advanced Placement Physics IC</u>		

This course is designed to give students a more thorough mathematical introduction to physics than in the general sections. At the conclusion of this sequence, students will be prepared for the AP Physics 1 exam and may elect to also take the AP Physics C mechanics exam. Students enrolling in this course should be proficient with algebra, geometry, and trigonometry, and be prepared for a demanding schedule of work in lab and at home. Topics covered include one and two-dimensional motion, Newton's laws of motion and universal gravitation, conservation of momentum and energy. We will also touch on waves, sound, light and electricity, static and current electricity, light, sound.

Students completing this course with a grade of "C" or higher, may use the credit to qualify for an honors ranking.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 12

1064 <u>Advanced Placement Chemistry A</u>	Grades 11 or 12	
1065 <u>Advanced Placement Chemistry B</u>	Prerequisite:	Honors Chemistry
1066 <u>Advanced Placement Chemistry C</u>		Teacher approval if in Chemistry

This course is designed for students who have taken a year of chemistry and would like to continue their study in this area. The first trimester will consist of a fast-paced review of the previous year in chemistry. The remaining portion of the year will cover equilibrium, kinetics, acid/base, titrations, electrochemistry, and thermodynamics. The content of this course is equivalent to a college freshman chemistry class. The focus of this course will be to prepare to take the Advanced Placement Exam in the spring. Students completing this course with a grade of "C" or higher, may use the credit to qualify for an honors ranking.

1067 <u>CIS: Human Physiology A</u>	Grade 12	
1068 <u>CIS: Human Physiology B</u>	Prerequisite:	Biology and Chemistry
1069 <u>CIS: Human Physiology C</u>		

College in the Schools (CIS) Human Physiology is a full year course that offers an excellent introduction to human physiology and the rigors of college coursework. It provides the students with a great opportunity to determine if they wish to pursue a major in a health science field. The CIS program is a concurrent enrollment program, with the University of Minnesota, that results in four, non-major, lab science credits should you earn a passing grade. (Notice - The credit that you earn is **not** a substitute for a more advanced anatomy and/or physiology course at any college or university.)

The students who enroll in this class must be highly self-motivated and disciplined. This course is recommended for students who earned at least a **B** in previous science classes.

The focus of the course is to learn about the structure and function of the human body at all levels of organization. To accomplish this goal, the students will work in cooperative learning groups using the language of anatomy and physiology and a scientific approach to build their understanding of the topics in class. At home, the students will be expected to build the foundation of their knowledge by reading their textbook; very little of the information will be delivered to the students through lecture. This class emphasizes individual learning outside of the classroom and collaborative learning inside of the classroom. (The process of learning to work in groups is often difficult, but necessary. Health science careers require teamwork. As a result, "learning to work in a group" is indeed on our list of course objectives.)

The topics to be covered include medical terminology, organic compounds, cells, histology, and many of the systems of the body. These include the muscular, nervous, cardiovascular, respiratory, and digestive systems. To enhance our understanding of these systems we will spend a significant amount of time in lab. Time spent in lab will include microscope work, investigations into physiology, and dissections. Currently, we dissect a pig heart, sheep brain, and cat. Students completing this course with a grade of "C" or higher, may use the credit to qualify for an honors ranking.

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SOCIAL STUDIES COURSES

"If a nation expects to be ignorant and free, in a state of civilization, it expects, what never was and never will be. I know of no safer depository of the ultimate powers of the society but the people themselves; and if we think them enlightened enough to exercise their control with wholesome discretion, the remedy is not to take it from them, but to inform their discretion."

Thomas Jefferson

The role of social studies at Eagan High School is to facilitate the intellectual and experiential growth of students by exposing them to a variety of ideas, philosophies, cultures and people. This variety spans from a local to a global perspective in an attempt to explain and better understand social systems and human behavior. The social studies faculty invites students to be an integral part of an excellent program and to take an active role in developing their abilities and potentials to the fullest, while exploring their dynamic relationship with the world around them.

The social studies courses are organized by grade level. Graduation requirements are listed below.

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 9

Three trimester courses for students in grade 9 are required as follows:

GRADE 9 COLLEGE PREP REQUIREMENTS:

1110 World History 9 A
1111 World History 9 B
1112 World History 9 C

GRADE 9 HONORS COURSES:

1113 AP World History Modern A
1114 AP World History Modern B
1115 AP World History Modern C

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 10

Three trimester courses for students in grade 10 are required as follows:

GRADE 10 COLLEGE PREP REQUIREMENTS:

1126 US History A
1127 US History B
1128 US History C

GRADE 10 HONORS COURSES:

1132 Advanced Placement[®] US History A
1133 Advanced Placement[®] US History B
1134 Advanced Placement[®] US History C

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 11

Three trimester courses for students in grade 11 are required as follows:

GRADE 11 COLLEGE PREP REQUIREMENTS:

1151 World History A
1152 World History B
1153 World History C

GRADE 11 HONORS COURSES:

1171 Advanced Placement[®] European History A
1172 Advanced Placement[®] European History B
1173 Advanced Placement[®] European History C

COURSE REQUIREMENTS FOR STUDENTS IN GRADE 12

Three senior social studies course are required of students in grade 12. One of these classes must be:

1181 Economics **OR** 1187 AP Micro & Macro

GRADE 11, 12 HONORS COURSES:

Two additional courses must be selected from the following Social Studies options:

- 1182 Sociology
- 1183 Psychology
- 1184 Political Science

- 1194 Advanced Placement Psychology A
- 1195 Advanced Placement Psychology B
- 1196 Advanced Placement Psychology C

Senior Social Studies Students may also choose to take 1191, 1192, 1193 - Developmental Psychology A,B,C. These classes fulfill the requirements of the senior elective requirements. Students that take these courses must also take 1181 Economics.

SOCIAL STUDIES STUDENTS IN GRADES 10, 11 OR 12 MAY ALSO CHOOSE TO TAKE ANY OF THE FOLLOWING ELECTIVES IN ADDITION TO THE REQUIRED COURSES:

- 1141 - World Philosophy **OFFERED during School year beginning with odd year**
- 1143 - World Religions **OFFERED during School year beginning with even year**
- 1144 - Criminology A
- 1145 - Criminology B (Grades 11-12)
- 1147 – Women in the World

NOTE: It should be noted that students may take more than the minimum number of social studies courses.

COURSE DESCRIPTIONS

COURSES FIRST OFFERED TO STUDENTS IN GRADE 9

WORLD HISTORY COURSES

- 1110 World History 9 A
- 1111 World History 9 B
- 1112 World History 9 C

Grade 9
Prerequisite: None

World History is a year-long course that develops students’ understanding of world history from approximately 8000 BCE to the present. The course utilizes a survey methodology allowing learners to investigate the historical developments and interactions of individuals and societies across time to our world today. A primary aim of the course is to develop and use historical reasoning and literacy methods: analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation. These methods help us better understand how historians construct narratives of the past. Students will examine narratives with a critical lens to learn from the voices that are included and the voices that have been underrepresented or absent in traditional narratives.

- 1113 AP World History Modern A
- 1114 AP World History Modern B
- 1115 AP World History Modern C

Grade 9
Prerequisite: None

AP World History Modern is an introductory college-level course where students investigate significant events, individuals, developments, and processes in world history from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 10

UNITED STATES HISTORY COURSES

- | | |
|----------------------------|--------------------|
| 1126 <u>U.S. History A</u> | Grade 10 |
| 1127 <u>U.S. History B</u> | Prerequisite: None |
| 1128 <u>U.S. History C</u> | |

U.S. History is a year-long course beginning with first contact with Indigenous Peoples and continuing through the present day. The course utilizes a survey methodology allowing learners to investigate the contributions and stories of all peoples who comprise the American narrative. A primary aim of the course is to develop and use historical reasoning and literacy methods: analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation. These methods help us better understand how historians construct narratives of the past. Students will examine narratives with a critical lens to learn from the voices that are included and the voices that have been underrepresented or absent in traditional narratives.

- | | |
|---|--------------------|
| 1132 <u>Advanced Placement U.S. History A</u> | Grades 10, 11, 12 |
| 1133 <u>Advanced Placement U.S. History B</u> | Prerequisite: None |
| 1134 <u>Advanced Placement U.S. History C</u> | |

AP U.S. History is an introductory college-level course where students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

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|------------------------------|--|
| 1141 <u>World Philosophy</u> | Grades 10, 11, 12 offered school year beginning with odd year |
| | Prerequisite: None |

This student-centered, higher-level thinking course is about the "History of Ideas." It is an attempt to learn what people from around the world have been thinking throughout history. Using a "seminar discussion" approach, students will be given multiple opportunities to discuss the ideas and concepts of the great thinkers of the past by relating them to the present and to their own philosophy about life and history. Note: This course is offered for elective credit only and does not fulfill the graduation requirements for Social Studies.

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|-----------------------------|---|
| 1143 <u>World Religions</u> | Grades 10, 11, 12 offered school year beginning with even year |
| | Prerequisite: None |

This course examines the rituals, symbols, and beliefs of the world's major religions: Buddhism, Christianity, Hinduism, Islam, Judaism and new religious movements. The primary objective is to increase students' awareness, knowledge, and respect for other religious traditions as well as exploring the role religion plays in their society and in current issues. Note: This course is offered for elective credit only and does not fulfill the graduation requirements for Social Studies.

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|---------------------------|--------------------|
| 1144 <u>Criminology A</u> | Grades 10, 11, 12 |
| | Prerequisite: None |

Criminology is the study of crimes, criminals and the criminal justice process. This course examines the many explanations and theories of crime along with looking at the purpose of punishment in the courts. By studying the various types of crimes and groups associated with them, students will also learn about the many methods applied in crime scene investigations. Note: This course is offered for elective credit only and does not fulfill the graduation requirements for Social Studies.

SOCIAL STUDIES COURSES

1145 Criminology B Grades 11, 12
Prerequisite: Successful Completion of Criminology A

This course is designed to further explore and investigate the field of Criminology. As a part of the curriculum, students will learn about different areas of law enforcement, infamous criminals, international crime, rights in the justice system and trial procedures, and finally crime scene investigations and the forensic science tools available in processing cases. A passing grade in Criminology A is a required prerequisite for Criminology B. Note: This course is offered for elective credit only and does not fulfill the graduation requirements for Social Studies.

1147 Women in the World: Yesterday and today Grades 10-12
A Survey Course

Students will examine the contributions of women in world history, focusing on key contributions of women as shown by evidence in writing, art and culture.

Women's Studies will examine the experiences and contributions of diverse groups of women in our world today. This course will provide knowledge about social, economic and political roles of women and their involvement in areas such as health, history, and activism. The course will also provide knowledge about gender stereotypes and how this impacts women today. NOTE: This course is offered for elective credit only and does not fulfill the graduation requirements for Social Studies.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 11

GRADE 11 WORLD HISTORY

Three (3) trimester-long World History courses are required of all students in Grade 11.

1151 World History A Grades 11, 12
1152 World History B Prerequisite: None
1153 World History C

Students will explore an overview of the development of civilizations across the world. These courses will cover the regions from many perspectives including: history, geography, ethnic groups, religion, philosophy, arts and literature, government, economic systems, international relations and contemporary issues. Note: The successful completion of these courses is required of all students for graduation.

1171 Advanced Placement European History A Grades 11, 12
1172 Advanced Placement European History B Prerequisite: None
1173 Advanced Placement European History C

AP European History is an introductory college-level course where students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations.

1194 <u>AP: Psychology A</u>	Grade 11, 12	
1195 <u>AP: Psychology B</u>	Prerequisite:	None
1196 <u>AP: Psychology C</u>		

AP Psychology is a college-level course that introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

Any of the following classes may be taken for elective credit by sophomores, juniors or seniors.

- 1141 - World Philosophy **OFFERED School year beginning with odd year**
- 1143 - World Religions **OFFERED School year beginning with even year**
- 1144 – Criminology A
- 1145 – Criminology B (**Juniors and Seniors only**)
- 1147 – Women in the World

NOTE: It should be noted that students may take more than the minimum number of social studies courses.

COURSES FIRST OFFERED TO STUDENTS IN GRADE 12

SENIOR SOCIAL STUDIES COURSES

1181 <u>Economics</u>	Grade 12	
	Prerequisite:	None

This course introduces learners to micro and macroeconomics. We will focus on the United States’ economy, examining the decision making involved in the distribution of limited resources by individuals and groups while also examining its role in the international economy. Students will explore concepts of supply and demand, personal finance, national accounting, fiscal and monetary policy, and international trade. The course is designed to develop skills and literacies needed to interpret and make judgments about economic and financial decisions in a complex society and world.

1182 <u>Sociology</u>	Grade 12	
	Prerequisite:	None

This course is an introduction to sociology. It is designed for students who wish to explore the exciting complexities of human relationships and social institutions. It is designed to further students' understanding of themselves and their relationship with others. Students will evaluate the extent to which society influences personality and controls behavior. Note: This course satisfies one of the senior elective requirements for Social Studies.

1183 <u>Psychology</u>	Grade 12	
	Prerequisite:	None

This course is an introduction to the essential topics in psychology. Throughout this study of human behavior and the mind, you will gain insight into why individuals behave the way they do. The course will include an examination of the main perspectives of psychology, important psychologists, human development, abnormal psychology and personality. Note: This course satisfies one of the senior elective requirements for Social Studies.

SOCIAL STUDIES COURSES

1191 <u>Developmental Psychology A</u> (2 credits)	Grade 12
1192 <u>Developmental Psychology B</u> (2 credits)	Prerequisite: Application and Teacher approval
1193 <u>Developmental Psychology C</u> (2 credits)	

This is a unique class that will involve a very high level of commitment and responsibility, and will offer a wide variety of benefits. Each course is offered in a 2 hour block and is worth 2 social studies credits. The courses will concentrate on the following areas:

1. As of the 2019-2020 school year, students have concurrent enrollment at Minnesota State Mankato and Eagan High School. A student could accrue 3 total college credits in KSP150 (Exploring Careers in Education).
2. The major thrust of this program will be to teach our district's chemical prevention and healthy living education curriculum to small groups of sixth graders. Students will be working with sixth graders in a group of about 10-15 students and will be their teacher for the entire year. Students will be preparing, teaching, and evaluating course content for sixth grade students.
3. The psychology of growth and development will be covered. This will involve studying various approaches to understanding growth and their application to student's personal lives. This class provides an in-depth study of various schools of thought in Psychology focusing on major psychologists of this century.
4. The process of group development will be explored. Working within the group process so as to create an atmosphere of trust and commitment, students will grow in knowledge about themselves and others.
5. Seniors selected for the course agree to follow the district's chemical policy in which seniors are required to remain chemically free the entire year.

Note: This is a year long course. Students MUST register for all three course numbers. Senior students must also enroll in 1181-Economics. Note: This course satisfies the senior elective requirements for social studies.

Any of the following classes may be taken for elective credit by seniors.

- 1141 - World Philosophy
- 1143 - World Religions
- 1144 - Criminology A
- 1145 - Criminology B
- 1147 – Women in the World

NOTE: It should be noted that students may take more than the minimum number of social studies courses.

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SPECIAL STUDENT PROGRAMS

Special Student Programs include three programs: **English Language Development, Special Education, and Work Experience.** Before registering for courses within any of these programs, please read each of the introductory paragraphs.

English Language Development (ELD)

These courses develop English language skills for Multilingual Learners (ML) students who speak other languages in addition to English. Coursework focuses on building academic proficiency in reading, writing, listening and speaking across all content areas and prepares students for both college and career.

1222 ELD Peer Tutoring A

Grade 9 (Tutors can be 10, 11, 12)

1223 ELD Peer Tutoring B

Prerequisite: Instructor Approval

1224 ELD Peer Tutoring C

9th grade Multilingual Learners (ML) new to Eagan High School or newer to English work one-on-one with an English speaking peer tutor. The work centers on building skills in English reading, writing, listening, and speaking. In addition, ML students get support for their content courses as well as develop organization and study skills. Both tutors and tutees learn from each other, share experiences, connect over culture, and build relationships. **Note: Only offered PERIOD 7. Both ML students and peer tutors sign up for this ELD Peer Tutoring class.**

1207 ELD Level 3 Content English A

Grades 9, 10, 11, 12

1208 ELD Level 3 Content English B

Prerequisite: Instructor Approval

1209 ELD Level 3 Content English C

The focus of this class is to increase ML students' access to the content in all their classes by improving reading, writing, and critical thinking strategies as well as academic and content-specific vocabulary. Students use the workshop model to produce and discuss writing, they research to prepare for academic discussions and presentations, and participate in independent and group reading projects. Reading and listening texts as well as writing and speaking expectations are more complex and extended than Level 2 Content English.

1213 ELD Level 2 Content English A

Grades 9, 10, 11, 12

1214 ELD Level 2 Content English B

Prerequisite: Instructor Approval

1215 ELD Level 2 Content English C

The focus of this class is to increase ML students' access to the content in all their classes by improving reading, writing, and critical thinking strategies as well as academic and content-specific vocabulary. Students use the workshop model to produce and discuss writing, they research to prepare for academic discussions and presentations, and participate in independent and group reading projects. Reading and listening texts as well as writing and speaking expectations are more complex and extended than Level 1 Content English.

1216 ELD Level 1 Content English A

Grades 9, 10, 11, 12

1217 ELD Level 1 Content English B

Prerequisite: Instructor Approval

1218 ELD Level 1 Content English C

This class is designed for ML students newer to English. Focus is on increasing general cultural and background knowledge needed to be successful in all content-area classes. Reading, writing, listening, and speaking activities are used to build both social and academic English.

1227 ELD Academic Support A

Grades 10, 11, 12

1228 ELD Academic Support B

Prerequisite: Instructor Approval

1229 ELD Academic Support C

This is a noncredit course

ML students in this class receive support in all their coursework with specific emphasis on social studies, science and math. Students use these core content areas to practice reading and writing strategies, learn new content-specific and general vocabulary, and discuss the main topics of the current units of study in all of their courses. Students complete supplemental materials and activities, read the textbook together, and have time to complete homework for all of their classes.

SPECIAL STUDENT PROGRAMS COURSES

1233 <u>ELD US History A</u>	Grades 10, 11, 12
1234 <u>ELD US History B</u>	Prerequisite: Instructor Approval
1235 <u>ELD US History C</u>	

This course is designed for ML students who need to develop academic language skills for learning US History in a high school setting. The instructional approach used in this class integrates content-based materials, academic language development activities, and learning strategy instruction. It follows the scope and sequence of the other US History classes in the school: examines the social, cultural, political and international topics of selected time periods in United States history. Students develop skills to become active participants in their local, national, and global communities.

1236 <u>ELD World History A</u>	Grades 9, 11, 12
1237 <u>ELD World History B</u>	Prerequisite: Instructor Approval
1238 <u>ELD World History C</u>	

This course is designed for ML students who need to develop academic language skills for learning World History in a high school setting. The instructional approach used in this class integrates content-based materials, academic language development activities, and learning strategy instruction. It follows the scope and sequence of the other World History classes in the school: examines the social, cultural, political and international topics of selected time periods in World history. Students develop skills to become active participants in their local, national, and global communities.

1239 <u>ELD Math A</u>	Grades 9, 10, 11, 12
1240 <u>ELD Math B</u>	Prerequisite: None
1241 <u>ELD Math C</u>	

The focus of this class is to increase ML students' access to essential math vocabulary through strategies that integrate language, vocabulary, speaking and listening. This course focuses on learning core Algebra concepts and topics, including number sense, rules of exponents, order of operations, solving equations, graphing ordered pairs, and slope formula. Successful completion of this course fulfills a portion of the graduation requirement for math credits.

Special Education Programs

The courses, which are listed within Special Education Programs, are offered to high school students who have Individual Educational Plans. As a result, students with IEPs will work with their case managers, parents and school staff before registering for any of the courses that are listed within this specific section of the Registration Guide. **An IEP is required to enroll in these courses.**

1251 <u>Academic Resource II A</u>	Grades 11, 12
1252 <u>Academic Resource II B</u>	Prerequisite: IEP Team Decision
1253 <u>Academic Resource II C</u>	

This class is intended for students in grades 11-12 who need extra support in a variety of areas, including work completion and self-monitoring strategies. One day per week will be dedicated to direct instruction by special education staff to enhance self-determination and functional academic skills. Students will learn about the skills related to growth mindset, language, organization, studying, learning styles, and time management. Successful completion of each class fulfills a portion of the graduation requirements for elective credits. **Note: This class offered Pass/Fail Only.**

1301 <u>Academic Resource I</u>	Grades 9, 10
1302 <u>Academic Resource I</u>	Prerequisite: IEP Team Decision
1303 <u>Academic Resource I</u>	

This class is intended for students in grades 9-10 who need extra support in a variety of areas, including work completion and self-monitoring strategies. One day per week will be dedicated to direct instruction by special education staff to enhance self-determination and functional academic skills. Students will learn about the practice skills related to growth mindset, language, organization, studying, learning styles, and time management. Successful completion of each class fulfills a portion of the graduation requirements for elective credits. **Note: This class offered Pass/Fail only.**

SPECIAL STUDENT PROGRAMS COURSES

1311 <u>Math I A</u>	Grade 9
1312 <u>Math I B</u>	Prerequisite: IEP Team Decision
1313 <u>Math I C</u>	

These three courses compose a one-year course of study of mathematics. The course focuses on reviewing basic math skills, learning core Algebra concepts and topics including systems of equations, quadratic equations, polynomials, data and statistics, probability and simulation, transformations and connections to geometry.

Successful completion of each class fulfills a portion of the graduation requirements for Math.

1314 <u>Math II A</u>	Grade 10
1315 <u>Math II B</u>	Prerequisite: IEP Team Decision
1316 <u>Math II C</u>	

These three classes compose a one-year course of study of mathematics. The course focuses on Geometry including plane, spatial coordinate and transformational geometry. Algebraic methods are used to solve problems involving geometric principles. Successful completion of each class fulfills a portion of the graduation requirements for Math.

1317 <u>Math III A</u>	Grades 11, 12
1318 <u>Math III B</u>	Prerequisite: IEP Team Decision
1319 <u>Math III C</u>	

These three courses compose a one-year course of study of mathematics. This course focuses on Algebra II concepts including algebraic expressions, equations, graphs and statistics. Successful completion of each class fulfills a portion of the graduation requirements for Math.

1321 <u>English 9/10 A</u>	Grades 9, 10
1322 <u>English 9/10 B</u>	Prerequisite: IEP Team Decision
1323 <u>English 9/10 C</u>	

These courses include the study of literature comprehension skills through a variety of fiction, and non fiction literature, as well as poetry, speeches, and short stories; they will be mirroring much of the general education 9th and 10th grade curriculum. The students will develop their writing skills for sentence, paragraph, and essay writing. Successful completion of each class fulfills a portion of the graduation requirements for English.

1324 <u>English 11/12 A</u>	Grades 11, 12
1325 <u>English 11/12 B</u>	Prerequisite: IEP Team Decision
1326 <u>English 11/12 C</u>	

These courses include the study of basic reading comprehension skills through a variety of fiction and nonfiction literature. The students develop their writing skills by studying the writing process. Successful completion of each class fulfills a portion of the graduation requirements for English.

1351 <u>Math Essentials A</u>	Grades 9, 10, 11, 12
1352 <u>Math Essentials B</u>	Prerequisite: IEP Team Decision
1353 <u>Math Essentials C</u>	

This course focuses on basic math skills and functional life math skills and experiences. Students participate in activities such as budgeting, banking, checking and other daily living experiences that require an understanding and knowledge of math. The course is designed to improve each student's independent living skills. Successful completion of each class fulfills a portion of graduation requirement for Mathematics.

1394 <u>Social Studies 9 A</u>	Grade 9
1395 <u>Social Studies 9 B</u>	Prerequisite: IEP Team Decision
1396 <u>Social Studies 9 C</u>	

This yearlong course will cover topics in World History including an overview of the development of civilizations around the world as well as significant history events. Successful completion of this course meets graduation requirements for Social Studies credits.

SPECIAL STUDENT PROGRAMS COURSES

1397 <u>Social Studies 10 A</u>	Grade 10
1398 <u>Social Studies 10 B</u>	Prerequisite: IEP Team Decision
1399 <u>Social Studies 10 C</u>	

This yearlong course will cover a chronological sequence of selected time periods and events in United States history. Successful completion of this course meets graduation requirements for Social Studies credits.

1384 <u>Social Studies 11/12 A</u>	Grades 11, 12
1385 <u>Social Studies 11/12 B</u>	Prerequisite: IEP Team Decision
1386 <u>Social Studies 11/12 C</u>	

Students will study world history, geography, economics, and current events. These subjects are covered on a two-year rotation basis. Successful completion of each class fulfills a portion of the graduation requirements for Social Studies.

1391 <u>Physical Activity A</u>	Grades 9, 10, 11, 12
1392 <u>Physical Activity B</u>	Prerequisite: IEP Team Decision
1393 <u>Physical Activity C</u>	

This program focuses on the unique physical education needs of students. Successful completion of each class fulfills a portion of the graduation requirements for Physical Education.

Functional Skills Programs

The Functional Skills Program is a center-based program for students for students with Developmental Cognitive Disabilities. This Special Education Program will provide guidance and support in the areas of academics (reading, writing and math), transition and daily functional skills. The Functional Skills Center-Based Program focuses on transition areas, including: Home Living Skills, Community Skills, Pre-Vocational Skills, and Social Communication Skills. The lessons taught in the program will relate to one of these areas. For example, math would fit into the areas of home living (cooking, measurements, budgeting) and Community Skills (money, purchasing items, etc.). The classroom setting is also a time to work on individual student goals. **An IEP is required to enroll in these courses.**

Course Names, Numbers and Descriptions

1751 <u>Literacy Skills IA</u>	Grades 9, 10, 11, 12
1752 <u>Literacy Skills IB</u>	Prerequisite: IEP Team Decision
1753 <u>Literacy Skills IC</u>	

The Literacy I Class is designed for Center based students with disabilities. It will focus on functional basic skills in reading fluency, reading comprehension and writing skills.

1754 <u>Basic Math Skills IA</u>	Grades 9, 10, 11, 12
1755 <u>Basic Math Skills IB</u>	Prerequisite: IEP Team Decision
1756 <u>Basic Math Skills IC</u>	

The Basic Math I Class is designed for Center based students with disabilities. It will focus on basic math skills like budgeting, calendar, and money skills.

1760 <u>Basic Skills A</u>	Grades 9, 10, 11, 12
1761 <u>Basic Skills B</u>	Prerequisite: IEP Team Decision
1762 <u>Basic Skills C</u>	

The Basic Skills Class will focus on basic skills needed to live more independently within a general setting. The class will focus on functional basic skills that include reading, writing, math and staying on-task.

SPECIAL STUDENT PROGRAMS COURSES

- 1763 Social Skills A Grades 9, 10, 11, 12
1764 Social Skills B Prerequisite: IEP Team Decision
1765 Social Skills C

Social Skills is designed to teach and enhance the skills, goals and objectives outlined in the IEP of students with disabilities. The class will focus on functional social skills that include communication between people, eye contact, and Speech and Language skills. They will use preferred media including video, ipads, computers, and other technology available to the staff and students. This class is designed as a year-long class.

- 1767 Academic Strategies A Grades 9, 10, 11, 12
1768 Academic Strategies B Prerequisite: Receive Strategies Programming
1769 Academic Strategies C

This class is intended for students in grades 9-12 who receive Strategies programming. This class will provide extra support in a variety of areas, including work completion and self-monitoring strategies. One day per week will be dedicated to direct instruction by special education staff to enhance self-determination and functional academic skills. Students will learn about the practice skills related to growth mindset, language, organization, studying, learning styles, and time management. Successful completion of each class fulfills a portion of the graduation requirements for elective credits. **Note: This class offered Pass/Fail Only.**

- 1774 Basic Connections A Grades 9, 10, 11, 12
1775 Basic Connections B Prerequisite: IEP Team Decision
1776 Basic Connections C

This specialized program is designed to meet the unique needs of students with Autism Spectrum Disorders (ASD). Program instruction takes place in the classroom and at various community locations.

- 1783 Science A Grades 9, 10, 11, 12
1784 Science B Prerequisite: IEP Team Decision
1785 Science C

This class will cover basic scientific skills in the areas of chemistry, biology, physical, life, and earth science. Students will learn how to write a lab report and why the scientific method is important. The principles learned about science are then considered in terms of life skills and functional application while paralleling the mainstream curriculum. These subjects are covered on a four-year rotation. Successful completion of each class fulfills a portion of the graduation requirements for Science.

- 1777 Social Strategies A Grades 9, 10, 11, 12
1778 Social Strategies B Prerequisite: IEP Team Decision
1779 Social Strategies C

This is a Study Skills class designed to help students stay organized and stay caught up on homework and daily assignments. This class has a low student to staff ratio and is instructed by a teacher that is knowledgeable in the area of Autism. Special accommodations in the form of class pace, visual cues, sensory needs of the students, as well as the use of classroom paraprofessionals are all taken into consideration. A social skills group takes place one time per week for the hour. Social skills and practice in social thinking is embedded throughout the week. Successful completion of each class fulfills a portion of the graduation requirements for Elective credits.

- 1381 Social Science Skills A Grades 9, 10, 11, 12
1382 Social Science Skills B Prerequisite: IEP Team Decision
1383 Social Science Skills C

The Social Science class is designed for Center Based students with disabilities and will be determined as an IEP team decision. The class will mix concepts of Social Studies and Science with real world application and with the general purpose of creating a greater understanding of the world around them. Students will cover a variety of topics including world geography and culture, weather patterns, various landscapes and physical features.

WORK EXPERIENCE PROGRAMS

Students apply informed decision-making processes to promote personal growth and develop competencies in self awareness and advocacy, career awareness, interpersonal relationships, employment readiness, independent living and citizenship in Work Experience Programs. The goals of the program are to increase student employability skills, to develop career awareness and a lifework plan, and to promote student success at Eagan High School.

Students will develop a Personal Careers Investigation Portfolio and may participate in Real World Work Experience. Students may earn a maximum of three credits per trimester (1 credit for seminar and up to 2 credits for work: with 1-3 work-based/internship hours) in the Work Experience Program.

WORK EXPERIENCE/CAREER EXPLORATION PROGRAM

1604 WE/CEP 9 Seminar A

Grade: 9

1605 WE/CEP 9 Seminar B

Prerequisite: Recommendation by Student
Assistance Team

1606 WE/CEP 9 Seminar C

The goal of the **Work Experience Career Exploration Program (WE/CEP) Success Seminar** is to teach and support positive attitudes and behaviors, communication and the personal awareness skills that support academic performance in school and entry level employment/worker maturity. These purposeful strategies support, encourage and practice self-discipline.

Students participating in this seminar will create a personal portfolio including summaries and reflections of personal, academic and vocational assessments. Reading and writing strategies along with the self-management skills of self-respect, responsibility, resourcefulness and initiative will be emphasized. Students will be responsible for maintaining a daily planner and use supervised class time to organize, complete and turn in daily academic assignments. The service learning component/experience gives students the opportunity to expand and develop their skills in a work-based setting.

1601 WE/CEP 10 Seminar A

Grade: 10

1602 WE/CEP 10 Seminar B

Prerequisite: Recommendation by Student
Assistance Team or Personal Choice

1603 WE/CEP 10 Seminar C

The goal of the **Work Experience Career Exploration Program (WE/CEP) Success Seminar** is to teach and support positive attitudes and behaviors, communication and the personal awareness skills that support academic performance in school and entry level employment/worker maturity. These purposeful strategies support, encourage and practice self-discipline.

WE/CEP is designed to provide a carefully planned work, job shadow, &/or service learning experience and career exploration that meets students needs, interests and abilities.

Students participating in this seminar will create a personal portfolio including summaries and reflections of personal, academic and vocational assessments. Reading and writing strategies along with the self-management skills of self-respect, responsibility, resourcefulness and initiative will be emphasized. Students will be responsible for maintaining a daily planner and use supervised class time to organize, complete and turn in daily academic assignments. The service learning component/experience gives students the opportunity to expand and develop their skills in a work-based setting.

WORK EXPERIENCE PROGRAMS COURSES

1721 <u>Fusion Fall</u>	Grades 11, 12
1722 <u>Fusion Winter</u>	Prerequisite: Fusion Fall - None
1723 <u>Fusion Spring</u>	Fusion Winter: Successful completion of Fusion Fall Fusion Spring: Successful completion of Fusion Fall

Students participating in Fusion will experience real-life, hands-on leadership experiences within the high school. These leadership opportunities will occur through working with the school's special education program in an effort to increase inclusion and build an interest in the special education teaching field. Students will plan, prepare, and facilitate whole-group activities for students within the special education program, serve as a Teacher's Aide in one of the center-based special education classrooms, and assist in the planning and implementation of whole school engagement activities (Inclusion Week, Unified Club activities, Special Olympics Unified sports, Person First Campaign, Spread the Word to End the Word Day, Track & Field Day, etc.). Interested students will be self-starters and passionate about inclusion.

WORK EXPERIENCE I

1710 <u>Work Experience Seminar I A*</u>	Grades: 11,12
1720 <u>Work Experience Seminar I B*</u>	
1730 <u>Work Experience Seminar I C*</u>	

Essential learning's for **Work Experience Seminar I** is to increase student employability skills, to develop career awareness and a lifework plan, and promote student success in school. Work Exp Seminar I students receive classroom instruction to apply informed decision-making processes to promote personal growth and develop competencies in self-awareness and advocacy, career awareness, interpersonal relationships, employment readiness, independent living and citizenship.

1715 <u>Work-Based Learning A (5th/6th/7th Period)</u>	Grades: 11,12
1716 <u>Work-Based Learning B (5th/6th/7th Period)</u>	Prerequisite: Enrollment in Work Experience Seminar I
1717 <u>Work-Based Learning C (5th/6th/7th Period)</u>	

1725 <u>Work-Based Learning A (6th/7th Period)</u>
1726 <u>Work-Based Learning B (6th/7th Period)</u>
1727 <u>Work-Based Learning C (6th/7th Period)</u>

1735 <u>Work-Based Learning A (7th Period)</u>
1736 <u>Work-Based Learning B (7th Period)</u>
1737 <u>Work-Based Learning C (7th Period)</u>

*Offers School to Careers support to students.

Essential learning's for **Work-Based Learning I** is the establishment of an employment history by following the policies of the work site, demonstrating work site safety, team work, and self-determination (the combination of skills, knowledge, self-regulated & self-governing development of work skills and workflow efficiencies). The student worker will apply a decision making process to make short-term and long-term employment choices. The Student, Parent-Guardian, Employer and Work Coordinator establish a "Cooperative Agreement." A student worker agrees to attend classes in order to go to work each day, to work closely with the teacher-coordinator in building a valid educational program, including work and work-related experiences, and to maintain acceptable performance at school and on the job. If the student worker "walks off" and/or is fired or dismissed from the job, the student worker will lose credit. The Employer & Work Coordinator determines the trimester grade received based on workplace performance. Non-competitive or volunteer employment may be assigned based on the recommendation of the Work Experience Coordinator.

WORK EXPERIENCE PROGRAMS COURSES

WORK EXPERIENCE II

Grade: 12

Prerequisite: Passing 3 trimesters Work Experience Seminar I in 11th grade. Part-time employment

1738 Work-Based Learning II A (5th/6th/7th Period)

1739 Work-Based Learning II B (5th/6th/7th Period)

1740 Work-Based Learning II C (5th/6th/7th Period)

1741 Work-Based Learning II A (6th/7th Period)

1742 Work-Based Learning II B (6th/7th Period)

1743 Work-Based Learning II C (6th/7th Period)

1744 Work-Based Learning II A (7th Period)

1745 Work-Based Learning II B (7th Period)

1746 Work-Based Learning II C (7th Period)

*Offers School to Careers support to students.

The learning essentials of **Work-Based Learning II** are to increase student employability skills and employment history, to develop career awareness, a lifework plan, and promote student success in school. Students have successfully completed a year of Work Experience Seminar I. Students will meet the first day of each week in the classroom with their work coordinator. Students participate in early release from school the remainder of the week to report to their work site.

Student workers demonstrate employment maturity behaviors and skills by maintaining competitive employment. The student worker will apply a decision making process to make short-term and long-term employment choices. The Student, Parent-Guardian, Employer and Work Coordinator establish a Cooperative Agreement. A student worker agrees to attend classes in order to go to work each day, to work closely with the teacher-coordinator in building a valid educational program, including work and work-related experiences, and to maintain acceptable performance at school and on the job. If the student worker walks off and/or is fired or dismissed from the job, the student worker will lose credit. The Employer & Work Coordinator determines the trimester grade received based on workplace performance. Non-competitive or volunteer employment may be assigned based on the recommendation of Work Experience.

WORK EXPERIENCE/TRANSITION

1610 Work Experience Seminar A

Grades: 11,12

1611 Work Experience Seminar B

Prerequisite: Recommendation by student's IEP team.

1612 Work Experience Seminar C

The purpose of **Work Experience Seminar** is to increase student employability skills, develop career awareness and a lifework plan. Work Seminar students receive classroom instruction to apply informed decision-making processes to promote personal growth and develop competencies in self-awareness and advocacy, career awareness, interpersonal relationships, employment readiness, independent living and citizenship. The goals of the program are to increase student employability skills, to develop career awareness and a lifework plan, and to promote student success at Eagan High School. Placement in this class is an IEP team decision.

WORK EXPERIENCE PROGRAMS COURSES

1615 Work-Based Learning A (5th/6th/7th Period)
1616 Work-Based Learning B (5th/6th/7th Period)
1617 Work-Based Learning C (5th/6th/7th Period)

Grades: 11,12

Prerequisite: Recommendation by student's IEP team.
Enrollment in Work Experience Seminar
or Work Foundations III or IV.

1625 Work-Based Learning A (6th/7th Period)
1626 Work-Based Learning B (6th/7th Period)
1627 Work-Based Learning C (6th/7th Period)

1635 Work-Based Learning A (7th Period)
1636 Work-Based Learning B (7th Period)
1637 Work-Based Learning C (7th Period)

Student workers demonstrate employment maturity behaviors and skills by seeking competitive employment. The student worker will apply a decision making process to make short term and long term employment choices. The Student Worker, Parent-Guardian, Employer and Work Coordinator establish a Cooperative Agreement. A student worker agrees to attend classes in order to go to work each day, to work closely with the teacher-coordinator in building a valid educational program, including work and work-related experiences, and to maintain acceptable performance at school and on the job. If the student worker "walks off" and/or is fired or dismissed from the job, the student worker will lose credit. The Employer and Work Coordinator determines trimester grade received based on workplace performance. Non-competitive or volunteer employment may be assigned based on recommendation of the Work Experience Coordinator.

1620 Work Force Foundations I A
1621 Work Force Foundations I B
1622 Work Force Foundations I C

Grades: 9,10,11,12

Prerequisite: Recommendation by student's IEP team.

The purpose of **Work Force Foundations I** is to increase student employability skills and develop job awareness. Student workers demonstrate significantly below average entry-level employment skills and behaviors that require coaching instruction in work 'labs' on the Eagan High campus to support common social interactions, impaired communication skills, restricted range of interests or repetitive behaviors. Workers require direct job coaching instruction to support predictable-cause and affect job tasks, with limited decision making skills. Student-workers develop skills and behaviors to follow safety practices, and follow work place rules and standard operating procedures for equipment and materials. Placement in this class is an IEP team decision.

WORK EXPERIENCE PROGRAMS COURSES

1630 Work Force Foundation II A

Grades: 9,10,11,12

1631 Work Force Foundation II B

Prerequisite: Recommendation by student's IEP team.

1632 Work Force Foundation II C

The purpose of **Work Force Foundations II** is to increase student employability skills, to develop job awareness. Student workers are significantly below average in entry-level employment skills and behaviors that require coaching instruction in work 'labs' on the Eagan High campus. Job tasks are predictable-cause and effect, and require guided decision making skills. Student-workers develop skills and behaviors to follow safety practices and follow work place rules and standard operating procedures for equipment and materials. Student workers may participate in non-competitive, job coach supported job experiences outside the traditional school day on the Eagan High campus or in the community of Eagan when opportunities are available. Placement in this class is an IEP team decision.

1640 Work Force Foundations III A

Grades: 9,10,11,12

1641 Work Force Foundations III B

Prerequisite: Recommendation by student's IEP team.

1642 Work Force Foundations III C

The purpose of **Work Force Foundations III** is to increase student employability skills, to develop job awareness. Student workers demonstrate emerging entry-level employment skills and behaviors that require coaching instruction. Student workers participate in classroom instruction and 'work' labs on the Eagan High campus. Job tasks require decision making skills. Student-workers develop skills and behaviors to follow safety practices, follow work place rules and standard operating procedures for equipment and materials. Student workers may participate in non-competitive, job coach supported job experiences outside the traditional school day on the Eagan High campus or in the community of Eagan when opportunities are available. Placement in this class is an IEP team decision.

1146 True North (Growing to Lead/Leading to Grow)

Grades 10-12

Prerequisite: None

In order to lead others, we first need to lead ourselves. Leadership must be an inside job before it can become an outside one. In this course, students will explore the art of leadership through images, discussion and the ability to self- discover their own leadership potential. Students will have an EPIC (experimental, participatory, image rich and connected) journey to build the skills necessary to be successful in life in addition to being post-high school and career ready. During this course, students will also have an opportunity to apply leadership skills into action. NOTE: This course is offered for elective credit only and does not fulfill the graduation requirements for Social Studies.