

2021 2022

Course Registration Guide Grade 9

Duluth Denfeld High School
Duluth East High School
Academic Excellence Online

**ISD
709** **Duluth**
Public Schools



ADDITIONAL INFORMATION

www.isd709.org/for-new-families/how-to-enroll



REGISTER ONLINE

www.isd709.org/for-new-families/how-to-enroll

January 2021

Dear Incoming Freshman Student,

This past year has been a challenge to our staff, students, and families like no other, as teachers and students have been pushed into a distance learning model due to the Covid-19 pandemic. Much of our practices around teaching and learning have required adjustment to accommodate for a new learning model. Through it all, the goal of Duluth Public Schools has continued to be to inspire every student to achieve their potential, and prepare students to lead productive, fulfilling lives as citizens of Duluth and the wider world.

Entering high school is an exciting time! You will begin to identify your hopes and dreams, learn and explore the opportunities that are available to you, and build a strong foundation for your future. You have the opportunity to choose a career or educational pathway as a stepping stone to postsecondary options.

This registration guide walks you through the process, graduation requirements, and all of the required and elective courses available in Duluth Public Schools. If you are interested in college credit and/or career technical education experiences, there is a diverse array of opportunities from which to choose. As you choose your classes, please remember to discuss your choices with your family and ask your counselor and teachers for advice.

The course registration guide is built to provide all registration information in one location. Improvements have been made to the functionality of the online document to make it easier to navigate and return to the *Table of Contents* or *Course Listing Overview*.

Students will be pre-registering in March for the upcoming school year. You should be fairly certain of what electives you want to take because the master schedule will be built based on the preregistration requests. Classes will only be made after all students have registered.

It may seem like graduation is a long way off, but before you know it we'll be celebrating all of your efforts and accomplishments as a graduate of Duluth Public Schools.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Larva". The signature is fluid and cursive, with the first name "Jennifer" written in a larger, more prominent script than the last name "Larva".

Jennifer Larva
Interim Director of Curriculum & Instruction

Duluth Public Schools Contact Information

Duluth Public Schools (DPS) will provide a comprehensive educational program to meet the needs of each of our students. This registration guide has been developed to provide you with detailed information regarding graduation requirements, course descriptions and educational options. Please use this information to help you design your personal educational program. As always, the DPS staff of administrators, counselors, teachers and specialists are available to assist you in this process.

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TABLE OF CONTENTS

| | |
|--|-----------|
| MINIMUM GRADUATION REQUIREMENTS | 7 |
| FOUR YEAR GRADUATION PLAN | 8 |
| STEPS TO REGISTER FOR COURSES | 9 |
| CHANGES FOR CLASSES | 11 |
| HIGH SCHOOL COURSE NAME AND DESCRIPTION | 14 |
| ART COURSES | 14 |
| BUSINESS/MARKETING/COMPUTERS | 16 |
| EDUCATION | 18 |
| ENGINEERING AND INDUSTRIAL TECHNOLOGY | 20 |
| ENGLISH LANGUAGE ARTS | 24 |
| GRAPHIC ARTS COMMUNICATION TECHNOLOGY | 27 |
| HOSPITALITY AND TOURISM (CULINARY ARTS) | 28 |
| MATHEMATICS | 30 |
| MUSIC | 32 |
| PHYSICAL EDUCATION | 34 |
| SCIENCE | 35 |
| SOCIAL STUDIES | 36 |
| WORLD LANGUAGES | 37 |
| SPECIAL EDUCATION | 39 |
| REGISTRATION WORKSHEET for Graduation Year 2025 | 42 |

MINIMUM GRADUATION REQUIREMENTS

| GRADUATING YEAR 2019 and Beyond | | |
|------------------------------------|------------------|------------------|
| TOTAL CREDITS | REQUIRED CREDITS | ELECTIVE CREDITS |
| 22.5 | 15.5 | 7.0 |

| | |
|------|---|
| 1.0 | Arts; Media Arts, Music or Visual Arts* |
| 4.0 | English-Language Arts* |
| 1.0 | English 9** |
| 1.0 | English 10** |
| 1.0 | English 11** |
| 1.0 | English Electives (English options are listed in the course catalog.) |
| .5 | Health* |
| 3.0 | Mathematics* |
| 1.0 | Intermediate Algebra |
| 1.0 | Geometry 9 or Geometry |
| 1.0 | Algebra 2 or Algebra 2 Concepts |
| .5 | Physical Education* |
| 3.0 | Science* |
| 1.0 | Physical Science 9/Earth Science 9 Integrate |
| 1.0 | Biology** |
| 1.0 | Chemistry, Physics, or Aerospace Physics** |
| 3.5 | Social Studies |
| .5 | Civics in Global Society |
| 1.0 | United States History** (formerly called American History) |
| 1.0 | World History or International Studies (Grade 11)** |
| .5 | Economics (Grade 11 or 12)** |
| .5 | Government (Grade 12)** |
| 7.0 | Electives |
| 22.5 | Credits required to Graduate |

[*Minnesota Graduation Requirements](#)

**** See course catalog for all options including AP, CITS, Honors and online courses.**

What I Need (WIN) is a 30-minute time period which is part of each student's school day. Every Monday, students schedule themselves for the remainder of the week into offerings according to their needs. Teachers and other school staff may also schedule students into WIN. WIN is a required part of every student's day and passing the course adds .25 elective credit to each student's transcript.

FOUR YEAR GRADUATION PLAN

Graduation Requirements: Total Credits 22.5 (Required 15.5, and Elective 7.0)

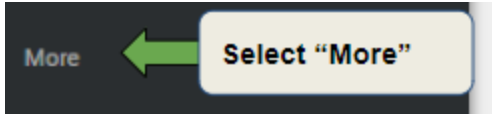

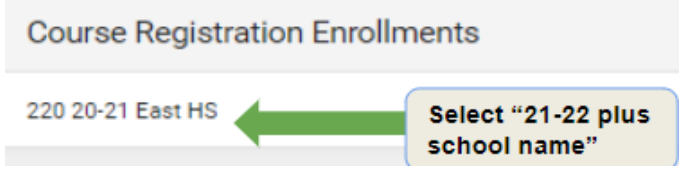
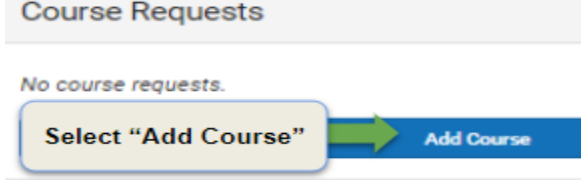
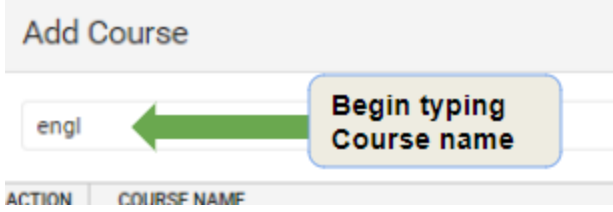
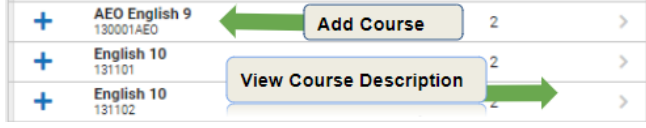
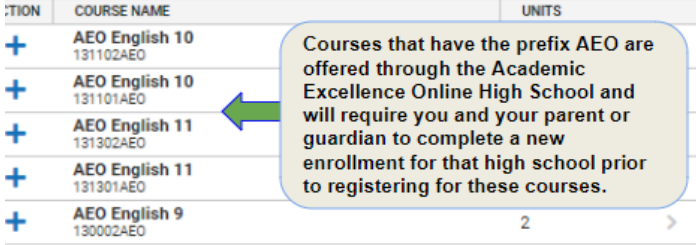
| Grade 9 First Semester | Grade 9 Second Semester |
|--|--|
| <ol style="list-style-type: none"> 1. English 2. Civics in Global Society or PE 3. Math 4. Physical Science 9 5. Art or Music (Recommended) 6. Elective: _____ 7. WIN Period | <ol style="list-style-type: none"> 1. English 2. Civics in Global Society or PE 3. Math 4. Physical Science 9 5. Art or Music (Recommended) 6. Elective: _____ 7. WIN Period |
| Grade 10 First Semester | Grade 10 Second Semester |
| <ol style="list-style-type: none"> 1. English 2. Biology 3. United States History 4. Math 5. Health or Elective 6. Elective: _____ 7. WIN Period | <ol style="list-style-type: none"> 1. English 2. Biology 3. United States History 4. Math 5. Health or Elective 6. Elective: _____ 7. WIN Period |
| Grade 11 First Semester | Grade 11 Second Semester |
| <ol style="list-style-type: none"> 1. English 11 2. World History or International Studies 3. Math 4. Chemistry or Physics or Aerospace Physics 5. Elective: _____ 6. Elective: _____ 7. WIN Period | <ol style="list-style-type: none"> 1. English 11 2. World History or International Studies 3. Math 4. Chemistry or Physics or Aerospace Physics 5. Elective: _____ 6. Elective: _____ 7. WIN Period |
| Grade 12 First Semester | Grade 12 Second Semester |
| <ol style="list-style-type: none"> 1. English Elective 2. Government or Economics 3. Elective: _____ 4. Elective: _____ 5. Elective: _____ 6. Elective: _____ 7. WIN Period | <ol style="list-style-type: none"> 1. English Elective 2. Government or Economics 3. Elective: _____ 4. Elective: _____ 5. Elective: _____ 6. Elective: _____ 7. WIN Period |

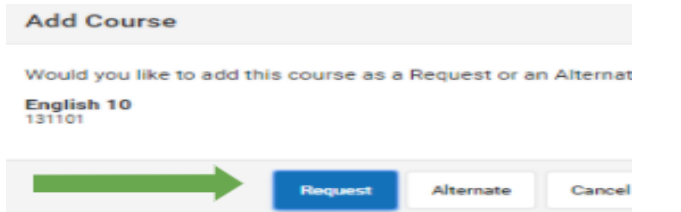
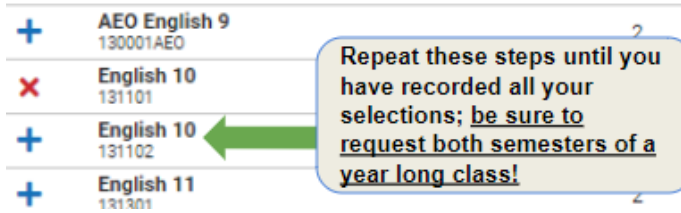
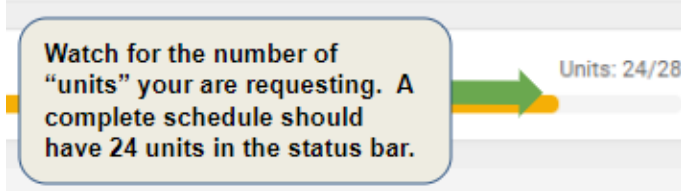
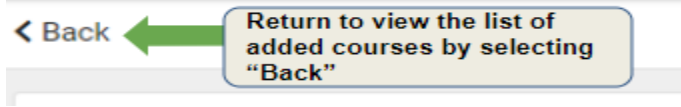
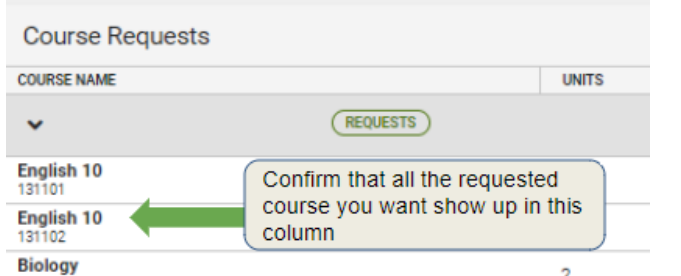
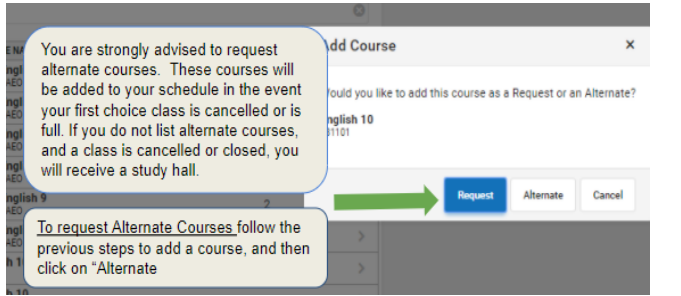
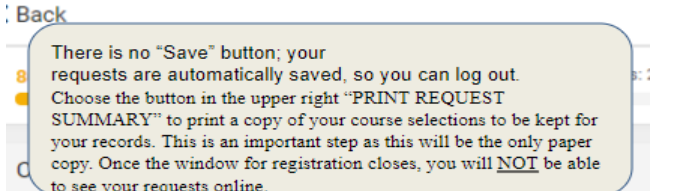
*Four years of math and/or science may be required for entrance into certain colleges or universities. Please contact the admissions office of the college of choice for admission requirements.

STEPS TO REGISTER FOR COURSES

2021-2022 School Year - Registration March 2-23, 2021

New to Duluth Public Schools? As a student new to Duluth Public Schools, you will need to enroll before you can register. To enroll - Go to [Duluth Public Schools](#) - How to enroll.

| | |
|---|--|
| 1. Log into Infinite Campus Student/Parent Portal and check for announcements. | |
| 2. Find and select “more; at the bottom of the left-hand column. |  |
| 3. Find and select “Course Registration”. |  |
| 4. Under Course Registration Enrollments, find and select “21-22 East HS” or “21-22 Denfeld”. |  |
| 5. Under Course Requests, find and select “Add course” to begin selecting courses. |  |
| 6. Begin typing in a course name. As you begin typing, course names containing these letters will continue to spell the course name out. |  |
| 7. After the course appears in the list of courses, you may select the plus action symbol to add the course to your requests. You may also click on the grey arrow to view the course description. |  |
| 8. As you are selecting courses, note that some courses have the prefix AEO. These courses are offered through the Academic Excellence Online High School and will require you and your parents or guardian to complete a new enrollment for that high school prior to registering for these courses. |  |

| | |
|--|--|
| <p>9. After you have chosen to add a course, you will be asked if you would “like to add this course as a Request or an Alternate”. Select Request to add this to your requested courses for the next school year.</p> |  |
| <p>10. Repeat these steps until you have recorded all your selections; <u>be sure to request both semesters of a year-long class!</u></p> |  |
| <p>11. Check the “units” you have registered for to be sure you have at least 24 units and no more than 28 units. When you have registered for a full 6 period schedule, the progress bar will indicate that you are 86% complete. If you have selected Zero Hour courses in addition to a full 6 period schedule, the progress bar will show 100% complete with 28 units reflected.</p> |  |
| <p>12. To return to view a list of all added courses, select the back button above your progress bar.</p> |  |
| <p>13. Review your Course Requests to ensure that all of your course selections appear.</p> |  |
| <p>14. You are strongly advised to request alternate courses. These courses will be added to your schedule in the event your first-choice class is cancelled or is full. If you do not list alternate courses, and a class is cancelled or closed, you will receive a study hall. <u>To request Alternate Courses</u>, follow the previous steps to add a course, and then click on “Alternate”.</p> |  |
| <p>15. YOU ARE DONE! There is no “Save” button; your requests are automatically saved, so you can log out now. Show your parents your requests by logging into Infinite Campus. Please print a copy if needed.</p> |  |

CHANGES FOR CLASSES

All reasonable attempts will be made to grant requests for courses. Alternatives will be used if necessary. It is important to note that schedule conflicts are different from student or parent-initiated requests for schedule changes.

REQUEST FOR SCHEDULE CHANGES

Reasons allowed by district policy for schedule changes:

- There is a gap in the student's schedule and/or the student is registered for two classes in the same hour.
- The student didn't register for a class required for graduation.
- There was an error and a student was placed in a class that was not requested.
- The student is scheduled for the same class twice.
- The student failed a class and needs to repeat the course.

Schedule changes will not be approved if:

- The student is trying to re-arrange their schedule to be with friends or a different lunch.
- The student is requesting a different teacher (unless the student failed a class with that teacher previously).
- The student is trying to re-arrange for early release or late start (Seniors only).
- The student changed their mind about what was requested at registration.

Adding classes will only be considered for the following reasons:

- A class is offered in an hour that a study hall has been scheduled.
- There is room in the course.
- The request to add is made before the end of the first week of school.

If your schedule changes meet any of these criteria, the change request form, available in the counselor's office, should be filled out completely including any required signatures. Students who need to see a counselor should do so before school, during lunch or study hall, or after school. All final decisions on next year's course requests need to be resolved with the counselor prior to the end of the school year.

DROPPING CLASSES - POLICY

Semester Courses (i.e. Health, Physical Education, Psychology): Students will have **ten school days** after the start of first grade period to drop without penalty.

Sequential/Year-long Semester Courses (i.e. English 10, Geometry, United States History, Biology, Mathematics):

- First Semester - Students will have **ten school days** after the start of the first grade period to drop without penalty.
- Second Semester - Students will have **ten school days** after the start of the second semester to drop a second semester class without penalty.

Students who choose to drop a class after the above-mentioned timelines would have as part of their transcript a record of their credit(s) attempted and credits earned. Example: If a student drops a class after the deadline, regardless of the grade earned at the time, the student will receive no credit and will receive a grade of "I". The grade point average will be permanently affected since this would be a credit attempted, but no credit earned.

NOTE: The current policy relative to removing a student from a class due to lack of attendance remains in effect. That is, any student removed from a class due to excessive trancies or absences will receive no credit and a permanent "I" grade. The grade point average will be permanently affected since this would be credit attempted, but no credit earned.

REPEATING COURSES FOR GRADES

Repeating required course

Repeating a course for credit refers to a high school course repeated via any delivery model, this includes online and seat based. Repeating **required** courses will only be allowed if a student receives a failing grade in that course. Students who have earned a grade of D or better in a course may repeat a course, but may not earn additional credit toward graduation by repeating the course. Students who repeat the course and earn a passing grade forfeit the credit previously earned. Students who repeat the course and then earn an F *do* retain credit earned from the previous attempt. In both cases, a student who fails a course may retake the course.

Repeating elective courses

Elective courses may be repeated for additional credit as long as a **different curriculum** is provided to the student. An example would be a course where students are expected or could enroll in a class on a continuing basis with additional new curricular content, and the use of the same course number is recurring. The repeatable courses are identified with the icon in the course description. Additional credits may be earned for repeatable courses.

Examples of repeatable courses: Introduction to Foods, Introduction to Cooking, Classical Line Cooking, Classical Cooking, Advanced Drawing and Painting, Advanced Ceramics and Sculpture, and most music courses.

KEY FOR COURSE CATALOG

Please use the symbols below to identify the available options for high school courses.



Repeatable Courses

Elective courses may be repeated for additional credit as long as a **different curriculum** is provided to the student. An example would be a course where students are expected or could enroll in a class on a continuing basis with additional new curricular content, and the use of the same course number is recurring. The repeatable courses are identified with the icon in the course description. Additional credits may be earned for repeatable courses. Examples of repeatable courses: Introduction to Foods, Introduction to Cooking, Classical Line Cooking, Classical Cooking, Advanced Drawing and Painting, Advanced Ceramics and Sculpture, and most music courses.



Available through Academic Excellence Online (AEO)

Online high school is an option for students and families who desire a bit more flexibility in their schedule. Online learning provides a unique way for students to continue, expand or enhance their education. Online learning offers students the ability to engage in learning opportunities they have not had access to before. Students can advance their education through one of the most up-to-date and compliant online high school programs in the state that is offered through the Duluth Public Schools. Students benefit through a personalized, relationship-based, and interactive online academic experience. These courses meet MN State Standards.







Career and Technical Education

Career and Technical Education (CTE) programs are a sequence of courses that integrate core academic knowledge with technical and occupational knowledge and skills to provide students a pathway to postsecondary education and careers. CTE teaches transferable workplace skills in applied learning contexts to provide opportunities to explore high-demand career options, and gives students the technology and skills needed for success in adult life.

HIGH SCHOOL COURSE NAME AND DESCRIPTION

ART COURSES


| Course Key For details see page 13 | | | |
|---------------------------------------|---|--------------------------------------|---|
| Also Available through AEO |  | Career and Technical Education (CTE) |  Repeatable  |

| | | |
|--|---|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>100000 Art Across Mediums</u> Grade(s): 9 -12 |  |
|--|---|---|

Design and create artworks with a variety of mediums, such as jewelry, cartooning, printmaking, stained glass, book arts, fibers, digital design, set design, and airbrush. Each unit will focus on a unique creative process through historic/cultural contexts and design principles. Course meets the Minnesota Academic Standards in the Arts - Visual Arts.

| | |
|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>101000 Drawing and Painting 1</u> Grade(s): 9 -12 |
|--|---|

Develop and improve your drawing and painting abilities for fine art or commercial design applications. Learn skills for drawing from direct observation and imagination and build understanding of design principles, visual literacy, color theory, and critical thinking. Design concepts are explored through a variety of media, such as pencil, charcoal, pastel and ink, watercolor, acrylic, collage, digital media, mixed media, and airbrush. Course meets the Minnesota Academic Standards in the Arts - Visual Arts.


| | | |
|--|---|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>101100 Advanced Drawing and Painting</u> Prerequisite: Drawing and Painting Grade(s): 9 -12 |  |
|--|---|---|

Expand your skills and develop your personal style for a range of functions, from narratives to creative applications for personal expression or commercial use. Students contract individually to research, plan, and design independent works of art within the context of the core class. Course meets the Minnesota Academic Standards in the Arts - Visual Arts.

Drawing and Painting 1 cannot be taken concurrently with Advanced Drawing and Painting 1.

| | |
|--|--|
| Credit: .5 per semester Term(s): S1 or S2 | <u>101300 Art of Photography and Cinematography 1</u> Grade(s): 9 -12 |
|--|--|

Develop and demonstrate photography and composition skills through a variety of design themes, building digital photography/editing skills on a foundation of film and paper processes. Explore color imaging through print and media. Explore the evolution of still to moving images through animation and cinematography, practicing composition through camera movement, point of view, and digital video editing. Course meets the Minnesota Academic Standards in the Arts - Visual Arts, Media Art.


| | |
|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <div> <u>101400 Advanced Art of Photography and Cinematography</u> <u>Prerequisite:</u> Art of Photography and Cinematography 1 Grade(s): 9 -12 </div>  |
|--|---|

Students continue to hone their behind-the-lens skills through photography and cinematography, using a variety of photography, animation and cinematography skills with digital editing tools. This course emphasizes individual creativity in both artistic and commercial media design, while students study photographic and cinematic artists and careers based on arts standards objectives. Course meets the Minnesota Academic Standards in the Arts - Visual Arts, Media Arts.

Advanced Art of Photography and Cinematography cannot be taken concurrently with Art of Photography and Cinematography 1.

| | |
|--|--|
| Credit: .5 per semester Term(s): S1 or S2 | <div> <u>101600 Ceramics and Sculpture 1</u> Grade(s): 9 -12 </div> |
|--|--|

Clay handbuilding and wheel-throwing skills, as well as glazing and clay decorative techniques, provide students with basic skills that carry into ceramics, sculpture and mixed-media work for both utilitarian and artistic purposes. Course meets the Minnesota Academic Standards in the Arts - Visual Arts.


| | |
|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <div> <u>101700 Advanced Ceramics and Sculpture</u> <u>Prerequisite:</u> Ceramics and Sculpture 1 Grade(s): 9 -12 </div>  |
|--|---|

Students work independently in areas such as handbuilding and wheel throwing in clay, and a variety of mediums in sculpture. Students design and create more challenging pieces, developing personal style through individual student preferences and ideas. Course meets the Minnesota Academic Standards in the Arts - Visual Arts.

Advanced Ceramics and Sculpture may not be taken concurrently with Ceramics and Sculpture 1.

| | |
|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <div> <u>101900 Stained Glass, Metals, and Fibers 1</u> Grade(s): 9 -12 </div> |
|--|---|




Design and create works of art with a variety of techniques with contemporary and historic crafts such as mosaic, etchings, glass fusing, windows, tooled metals, jewelry, weavings, and casting. Course meets the Minnesota Academic Standards in the Arts - Visual Arts.


| | |
|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <div> <u>102000 Advanced Stained Glass, Metals, and Fibers</u> <u>Prerequisite:</u> Stained Glass, Metals, and Fibers 1 Grade(s): 9 -12 </div>  |
|--|---|

Develop personal style, sharpen your skills, and use a range of technologies for a more in-depth exploration of these traditional and fine craft forms. Course meets the Minnesota Academic Standards in the Arts - Visual Arts.

Advanced Stained Glass, Metals, and Fibers may not be taken concurrently with Stained Glass, Metals, and Fibers 1

BUSINESS/MARKETING/COMPUTERS

| Course Key For details see page 13 | | |
|---|--|---|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

| | | |
|--|---|---|
| Credit: .5 Semester Term(s): S1 or S2 | <u>114100 Introduction to Marketing and Business</u> Grade(s): 9 -12 |  |
|--|---|---|


Marketing and Business involves the many activities needed to get products/services from producers to consumers. It's one of the most exciting and vital career areas you could ever explore. This class is a must for all students who plan on succeeding in our very competitive Free Enterprise System. Students will be exposed to Marketing/Business, Economics and Human Relations. Activities will help students apply all of the marketing and business functions and relate them to any career opportunity. In addition, you will learn advanced skills in locating, applying for, and keeping a job.

ARTICULATION: Articulation Agreement from Lake Superior College (LSC). See your counselor or the class instructor for more details.

| | |
|--|--|
| Credit: .5 Semester Term(s): S1 or S2 | <u>114200 Sports and Entertainment Marketing</u> Prerequisite: Introduction to Marketing and Business Grade(s): 9 -12 |
|--|--|

The marketing and business field is seeing exponential growth in the sports and entertainment industry. Now a \$500 billion industry, the sports and entertainment industry has become a dominant presence not only in the U.S., but also in the rest of the world. The sports and entertainment industry encompass everything from digital communications to personal service and sales. Students will learn the fundamental principles and concepts identified with sports and entertainment marketing, and develop skills through marketing research and actual industry-based projects. Students will also have the opportunity to plan, implement and evaluate school and community sports and entertainment marketing practices and strategies.

This course can be taken concurrently with Introduction to Marketing and Business.

| | | |
|--|---|---|
| Credit: .5 Semester Term(s): S1 or S2 | <u>114300 Business Management, Leadership, Coaching</u> Prerequisite: Introduction to Marketing and Business Grade(s): 9 -12 |  |
|--|---|---|




Marketing and Business Management gives students insight into the characteristics, organization, and operation of business, management and leadership. This class will give any student, whether planning to go on to school or work after graduation, the edge in the job market. To be successful in the global and diverse workplace, students must develop communication, human relations, self-management, and workplace enhancement skills. More than ever before, merely being technically competent is not sufficient.

This course can be taken concurrently with Introduction to Marketing and Business.

| | |
|--|--|
| Credit: .5 Semester Term(s): S1 or S2 | <u>114400 Starting Your Own Business-Entrepreneurship</u> <u>Prerequisite:</u> Introduction to Marketing and Business Grade(s): 9 -12 |
|--|--|

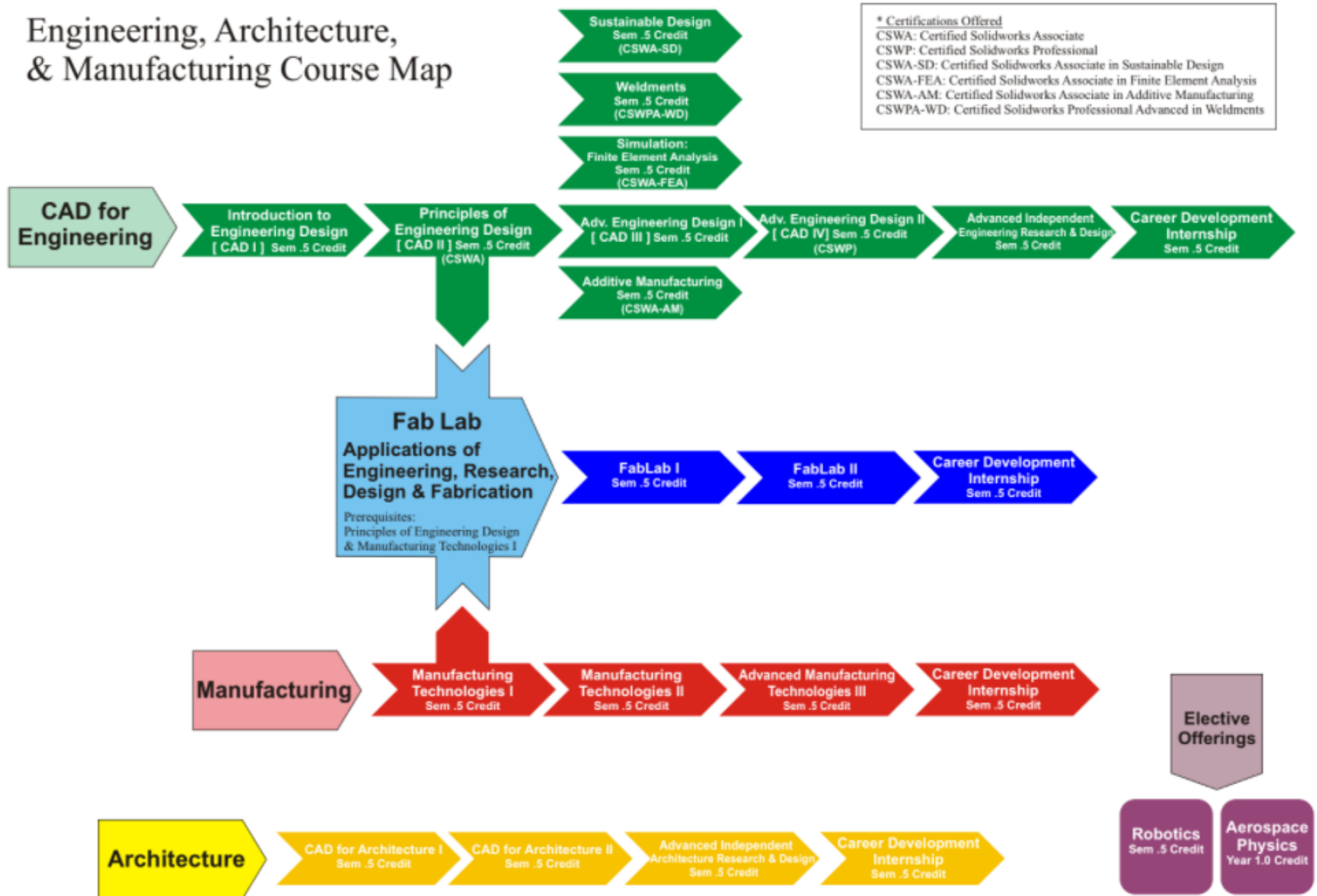
An Entrepreneur is a person who attempts to earn a profit by taking the risk of operating their own business enterprise. Thousands of people become entrepreneurs each year. They start their own businesses from scratch, buy existing businesses, or buy franchised business; if they are successful in providing products and services to consumers at a profit, they will build rewarding careers for themselves as entrepreneurs. This class will help you understand what it is like to be an entrepreneur and what is involved in starting a business. Economics will be emphasized in this class.

EDUCATION




| Course Key For details see page 13 | | |
|---|--|---|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |
| Credit: .5 per semester Term(s): S1 or S2 | <u>201400 Child Development/Child Psychology</u> Grade(s): 9 -12 | |

In this course, students will develop knowledge and understanding in guiding the growth and development of children ages zero-six. Students will explore concepts of human growth and development influences and analyze the effect on a child's emotional, physical, social, and cognitive growth. This course is designed for students to explore careers that involve working with young children and is strongly recommended for those students considering pursuing careers involving young children. Part of the class experience will include working with young children in the community. These skills will help prepare students for future employment and will provide valuable training for various careers (i.e. summer camp counselor, recreational director, education and human service).



Engineering, Architecture, & Manufacturing Course Map



ENGINEERING AND INDUSTRIAL TECHNOLOGY

| Course Key For details see page 13 | | | |
|--|---|--------------------------------------|---|
| Also Available through AEO |  | Career and Technical Education (CTE) |  |
| | | Repeatable |  |



Engineering programs offer students an array of advantages, from career readiness and hands-on experience to college preparatory level classes, labs, and creative exercises. We set the highest standards for rigorous, focused, and engaging study, and develop students' innovative, collaborative, cooperative, and problem-solving skills. Our relationships with teachers, parents, local and national business leaders, and university partners allow us to offer a complete experience both for students wishing to pursue a secondary degree in a STEM related field and for those planning to join the workforce after high school.

| | | |
|--|---|---|
| Credit: .5 per semester Term(s): S1 | <u>121211 Introduction to Engineering Design [CAD I]</u> Grade(s): 9 -12 |   |
|--|---|---|

This course is a single semester introduction to engineering design concepts for students who would like to explore the Engineering Design program without the need to commit to a full year course. It also affords students who may not be able to fit a full-year course into their schedule the ability to get started on the Engineering Design pathway. Students learn about the engineering design process and parametric 3D modeling through the use of SolidWorks industry leading Computer Aided Drafting (CAD) software. Students who complete this course can continue on to Principles of Engineering to complete the prerequisite for advancement in the Engineering Design sequence as well as the Fab Lab courses. It is recommended for any students interested in exploring the engineering profession or who plan to pursue a career in engineering, design, technical illustration, 3D printing, machining, or other technical fields.


Students who take this course and Principles of Engineering Design will have the opportunity to earn the Certified SolidWorks Associate (CSWA) certification.

Articulation: Upon successful completion of Introduction to Engineering and Design and Advanced Engineering Design, students can receive three (3) articulation credits from Lake Superior College (LSC) in courses in Prototyping Processes and Advanced Manufacturing Technologies. See your counselor or the class instructor for more details


| | | |
|--|---|---|
| Credit: .5 per semester Term(s): S2 | <u>121502 Principles of Engineering</u> Prerequisite: Introduction to Engineering Design Grade(s): 9 -12 |   |
|--|---|---|

Principles of Engineering Design builds off the skills learned in Introduction to Engineering Design. Students continue to develop their understanding of engineering concepts and proficiency using SolidWorks state-of-the-art Computer Aided Drafting (CAD) software. They learn to create assemblies, to read and prepare drawings found in manufacturing and engineering industries, and begin to explore more advanced CAD techniques like stress analysis and motion studies. This course fulfills the prerequisite for advancement in the Engineering Design sequence as well as the Fab Lab courses. It is recommended for any students interested in pursuing a career in engineering, design, technical illustration, 3D printing, machining, or other technical fields.


Students who take this course will have the opportunity to earn the Certified SolidWorks Associate (CSWA) certification.

| | | |
|--|--|--|
| Credit: .5 per semester Term(s): S1 | <u>124101 Manufacturing Technologies I</u> Grade(s): 9 - 12 |  |
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In this course, students are introduced to the tools, materials, techniques, and skills that are found in manufacturing industries. Students will learn about the processes, procedures, and safety for taking raw materials into a finished manufactured product. Students learn to operate drill presses, table saws, miter saws, circular & belt sanders, grinders, planers, jointers, scroll saws, and band saws as well as many other hand tools. Students learn to etch designs into parts using the Epilog Helix Laser machine. Projects will focus on fabricating parts and products while working with metals, woods, and plastics. This course is one of the prerequisites for the Fab Lab pathway. It is recommended for students wishing to pursue a career in manufacturing, woodworking, design, construction, or building trades.

| | | |
|--|---|---|
| Credit: .5 per semester Term(s): S2 | <u>124102 Manufacturing Technologies II</u> Prerequisite: Manufacturing Technologies I Grade(s): 9 -12 |  |
|--|---|---|


In this course, students continue to explore techniques and skills found in the manufacturing industries that they started in Manufacturing Technologies I. Coursework will focus more heavily on precision machining as students learn to use a vertical mill. Students will work with a wide range of materials including wood, aluminum, steel, acrylic, HDPE, UHMW and other plastics. They will learn about the processes, procedures and safety for taking raw materials into finished manufactured products. This course is recommended for students wishing to pursue a career in manufacturing, machining, construction, or building trades construction, or building trades.

| | | |
|--|---|--|
| Credit: .5 per semester Term(s): S2 | <u>122101 CAD for Architecture I</u> Grade(s): 9 -12 |  |
|--|---|--|

This course is intended specifically for students interested in pursuing a career in an architectural field. Students are introduced to Revit Architectural design software where they learn to prepare various types of drawings found in the architectural drafting industry. Students learn about the composition of a typical structure while creating detailed working drawings and Building Information Models (BIM) for homes, duplexes, and cabins. This course is recommended for students interested in pursuing a career in architecture, real estate, interior decorating, or a building trade.

| | | |
|--|---|---|
| Credit: .5 per semester Term(s): S2 | <u>122102 CAD for Architecture II</u> Prerequisite: CAD for Architecture I Grade(s): 9 -12 |  |
|--|---|---|


This course builds off the skills learned in CAD for Architecture I. Students continue to develop their understanding of architectural concepts and proficiency using Revit Architectural design software. Students tackle more complex projects, creating detailed working drawings and in-depth Building Information Models (BIM) to design larger structures like malls and office buildings. This course is recommended for students interested in pursuing a career in architecture, real estate, interior decorating, or a building trade.

| | | |
|--|--|---|
| Credit: 1 per semester Term(s): S1 & S2 | <u>171621-171622 Construction Tech 1*</u> (2-hour class) Grade(s): 9 - 12 |  |
|--|--|---|

This introductory course provides students a “hands-on” experience in various construction occupations to include carpentry, electrical, plumbing, heating, sheetrocking, and taping, painting, and cabinet installation. Most learning will take place on an actual construction site in the community building homes and/or working on rehabilitation projects for nonprofit organizations. Students will increase math abilities related to the trade and construct residential dwellings to meet codes while interpreting blueprints.

Articulation: Upon successful completion of this course, students have the opportunity to receive three (3) articulation credits for this course from Lake Superior College (LSC). This course is equivalent to the LSC courses CARP 1412 - Carpentry Framing Lab 1 (1 credit), CARP 1416 - Roof Covering and CARP 1510 - Carpentry Exterior Lab 1. See your counselor or the class instructor for more details.

*This course is offered at East High School. Denfeld High School students may register for this course. Transportation is provided to and from East.


| | | |
|--|--|---|
| Credit: 1 per semester Term(s): S1 & S2 | <u>171921-171922 Automotive Basics: Brakes and Engines</u> (2-hour class) Grade(s): 9 -12 |  |
|--|--|---|

This course introduces students to basic automotive technology including the maintenance and light repair of vehicles with a focus on brakes and engines. Students will earn SP2 shop safety certification. Students will learn to perform engine diagnostics as well as disc, drum, and ABS brake services and repairs. Students will utilize service information and testing equipment to diagnose problems and perform repairs. The instruction will also focus on employability skills, ethics training, and the technical career exploration necessary for entry level employment or post-secondary education in a technical field.

This is a year-long 2-hour (2 credit) course with no prerequisites. Courses Brakes and Engines and Transmissions and Suspensions may be taken in any order.

The program is accredited by the ASE (Automotive Service Excellence) Education Foundation.

Articulation: Upon successful completion of this course and Advanced Automotive students have the opportunity to receive three (3) articulation credits for this course from Lake Superior College (LSC). This course is equivalent to the LSC course Automotive Shop Management 1, Brakes, Changing and Starting Systems, Engine Service.

| | | |
|--|---|---|
| Credit: 1 per semester Term(s): S1 & S2 | <u>172121-172122 Automotive Basics: Transmissions and Suspension*</u> (2-hour class) Grade(s): 9 -12 |  |
|--|---|---|

This course introduces students to basic automotive technology including the maintenance and light repair of vehicles with a focus on transmissions and suspensions. Students will earn SP2 shop safety certification. Students will perform the following: wheel and tire maintenance, power steering system service and inspections, front and rear suspension inspection, maintenance, and repair, and automatic and manual transmission service and adjustments. Students will utilize service information and testing equipment to diagnose problems and perform repairs. The instruction will also focus on employability skills, ethics training, and the technical career exploration necessary for entry level employment or post-secondary education in a technical field.

This is a year- long 2-hour (2 credit) course with no prerequisites. Brakes and Engines and Transmissions and Suspension may be taken in any order.

The program is accredited by the ASE (Automotive Service Excellence) Education Foundation

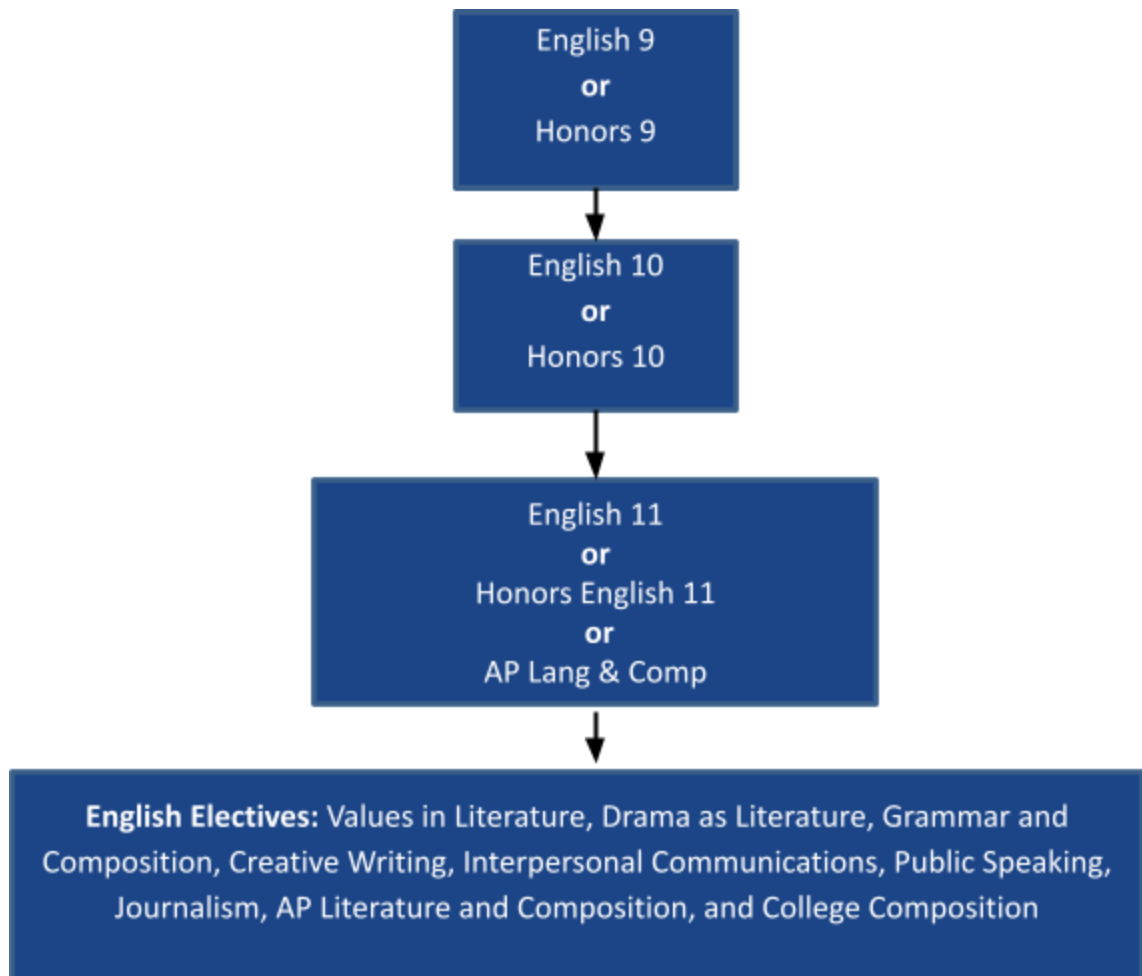
Articulation: Upon successful completion of this course and Advanced Automotive students have the opportunity to receive three (3) articulation credits for this course from Lake Superior College (LSC). This course is equivalent to the LSC course Transmission Lab, Automotive Shop - Management 1, Clutch and Differential, Suspension and Steering Repair, Basic Engine Driveability and Air Conditioning.

ENGLISH LANGUAGE ARTS




REQUIRED FOR GRADUATION

Four (4) credits of language arts, including one year of an elective, are needed for graduation from high school. Additional language arts courses are available for students with Individualized Education Plans (IEPs) and through credit recovery programs. See your case manager or high school counselor for further information. It is important to follow your pathway for English - you can have an honors course, switch to a regular English course, then switch back to honors the next year.


FLOWCHART



ENGLISH LANGUAGE ARTS

| Course Key For details see page 13 | | |
|---|--|---|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

All English courses offered by ISD 709 are aligned with the Minnesota English Language Arts Standards which can be found on the Minnesota Department of Education webpage. The standards call for an integrated model of literacy driven by four strands: Reading of Informational and Literacy Text; Writing; Speaking, Listening, Viewing, and Media Literacy, and Language.

| | | |
|---|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>130001-130002 English 9</u> Grade(s): 9 |  |
|---|---|---|

This course is designed to fulfill the expectations of the ninth-grade standards for English Language Arts. Students in this course will:




- Read and comprehend ninth grade literature and informational texts for personal enjoyment, interest, and academic tasks, and read widely to understand multiple perspectives and pluralistic viewpoints. Required ninth grade texts including novels and plays, short stories, essay and poetry. Required common texts include: *Romeo and Juliet*, *Spirit Car*, and *The Odyssey*.
- User information from multiple print and digital sources, use a writing process to write for a range of tasks, purposes, and audiences
- Use MLA formatting; understand how to avoid plagiarism.
- Demonstrate command of the conventions of language while speaking and writing.
- Acquire and accurately use grade-level vocabulary.

| | |
|---|--|
| Credit: .5 per semester Term(s): S1 & S2 | <u>131001-131002 Honors English 9</u> Prerequisite: Commitment Agreement required Grade(s): 9 |
|---|--|

This rigorous course augments the expectations of English 9. Expectations include:

- More in-depth knowledge expected and a broader understanding of concepts and generalizations is expected. More student generated classroom discussion and evaluation expected. Honors English is a student-sustained class.
- Students must be able to keep a fast pace of reading and understanding.
- Students will have homework each night as well as short and long-term projects. Projects will be completed individually and in groups with some projects involving class presentations.
- A significant amount of independent reading is required.
- Students should be self-motivated to complete higher level work and to take ownership of their academic success.




GENERAL ELECTIVES

| Course Key For details see page 13 | | |
|--|---|--|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

| | |
|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>250000 Freshman Seminar</u> Grade(s): 9 |
|--|---|

This course will provide students with tools to ease the transition into high school and beyond with an orientation to the building, staff, policies, an examination of learning styles and study skills, and integrated technology skill-building in various computer skills including frequently used software and internet safety. A career exploration unit will include help in high school course selections. Reading and writing assignments will be integrated throughout the course to help prepare students to pass state tests required for graduation. Weekly "I-Time" lessons geared to parent/peer/teacher relationship-building, effective communication skills, problem-solving, and teamwork will be provided. Use of the text "The 6 Most Important Decisions You'll Ever Make" by Sean Covey, and other resources will address the six major social factors facing teens: school, friends, parents, dating and sex, addictions, and self-image/worth.

GRAPHIC ARTS COMMUNICATION TECHNOLOGY




| Course Key For details see page 13 | | |
|--|---|--|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

| | |
|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>102201-102202 Graphic Arts/Digital Design 1</u> Grade(s): 9 -12 |
|---|---|


Explore communication technology careers including pre-press, offset printing, silk screen, finishing work, and quality control. Extensive “hands-on” class using computers, scanners, offset printing presses, silk screens and other equipment found in the graphic arts industry. Students envision, design, and use resources to create, assemble, and deploy a finished project. Software use includes current industry standard, Adobe Creative Suite - InDesign, Illustrator, Photoshop and Flash. Units include paste-up, silk screening, scratch pads, elements of design, typography, small space ads, digital photography and poster design. Troubleshoot equipment including computers and printers. Produce real-world work for high school: posters, flyers, advertisements.

By completing the full year of Graphic Arts/Digital Design 1, students will fulfill the 1.0 Arts credit requirement for the Duluth Public Schools.


HOSPITALITY AND TOURISM (CULINARY ARTS)

| Course Key For details see page 13 | | | |
|---|--|---|--|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  | |


In the Culinary Arts Programs, students will use ingredients and techniques from all around the globe, but the focus is on preparing students to pursue entry-level opportunities in the culinary profession with a broad range of experience and skills. Students begin by sharpening fundamental cooking techniques and skills, exploring the world of international cuisines, and when complete will be ready to pursue an entry level job such as line cook or pantry cook.

| | | |
|--|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>160000 Introduction to Cooking</u> Grade(s): 9 -12 |  |
|--|--|---|

This course is structured to expose students the foundations of cooking. Students will be introduced to basic concepts of culinary techniques, learn how to safely use both residential and industrial kitchen equipment, identify and use ingredients in basic food preparation while learning basic recipes. They will be introduced to proper knife skills, food safety and sanitation, and how to work collaboratively. This course is designed for students to explore not only the joy of learning how to cook but also explore career options in the field of hospitality and tourism.

| | | |
|--|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>160020 Level 1 Restaurant Industry</u> (1- hour class) Grade(s): 9 -12 |  |
|--|--|---|

This course is structured to expose students to the foundations of working in a restaurant industry. It focuses on food safety and sanitation, proper knife skills, industrial equipment knowledge and identifying the correct measuring tools and ingredients along with reading recipes to create meals & desserts for the Clock Tower Cafe (student run restaurant). This course is designed for students to experience the restaurant industry with daily hands on experiences. This course will teach students the importance of work ethic and teamwork as well as how to fill out a job application and answer job interview questions. Local business guest speakers and field trips to restaurants, meat packing plants, dairy farms and college culinary programs are part of this hand on learning program (will vary each year). The Clock Tower Cafe Catering Club is an after-school program available to students that take this course. The catering club allows students to cater scheduled events within our community for professional hands on training and building customer service skills, local business relationships and career opportunities. This is a one-hour course.


| | | |
|---|---|---|
| Credit: 1 per semester Term(s): S1 or S2 | <u>161320 Classical Line Cooking*</u> (2-hour class) Grade(s): 9 -12 |  |
|---|---|---|

This is an overview of food preparation techniques used by our casual/fine dining restaurant. This course emphasizes fast paced food production, station mise en place set up, timing, service, and menu concept. Basic cooking competencies will be reinforced. Cooking competencies consist of grain cookery, sandwich preparation, pasta cookery, broiling steaks, sautéing, salad preparation, with consideration of allergies. Some food math and recipe costing will also be explored. Students will work all kitchen positions on rotation through the semester. Students will:

- Have the ability to earn a Servsafe certificate. Demonstrate approved sanitation and safety practices in food handling and personal practices using the National Restaurant Association (ServSafe).

- Research and develop menu areas: appetizers, salads, sandwiches, steaks and ribs, fish and seafood, chicken and fowl, pastas, potatoes, rice, vegetarian, desserts, beverages, and ethnic foods.
- Understand the personal and professional expectations of the foodservice industry through daily performance.
- Operate and handle food service equipment as appropriate.
- Demonstrate measurable knowledge of food service terminology, tools, and equipment.
- Learn how to properly read a recipe.
- Learn classical cooking techniques such as the five grand sauces.


**This course is offered at Denfeld High School. East High School students may register for this course. Transportation is provided to and from Denfeld.*

| | |
|---|---|
| Credit: 1 per semester Term(s): S1 or S2 | <div style="text-align: center;"> <u>161420 Classical Cooking*</u> (2-hour class) Grade(s): 9 -12 </div> <div style="text-align: right;">  </div> |
|---|---|

In this course, students will learn what it means to be a chef. The focus of this program will be an overview of all facets of the culinary arts. Classroom instruction and in kitchen lab are of equal importance to develop the student's knowledge. Students will:

- Have the ability to earn a Servsafe certificate.
- Demonstrate approved sanitation and safety practices in food handling and personal practices using the National Restaurant Association (ServSafe).
- Research and develop menu areas: appetizers, salads, sandwiches, steaks and ribs, fish and seafood, chicken and fowl, pastas, potatoes, rice, vegetarian, desserts, beverages, and ethnic foods.
- Understand the personal and professional expectations of the food service industry through daily performance.
- Operate and handle food service equipment as appropriate.
- Demonstrate measurable knowledge of food service terminology, tools, and equipment.
- Develop an understanding of food costs and percentages necessary to run a profitable food service operation.
- Learn how to properly read a recipe.
- Research and develop five (5) course theme dinners.
- Learn classical cooking techniques such as the five grand sauces.

**This course is offered at East High School. Denfeld High School students may register for this course. Transportation is provided to and from East.*

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|---|--|
| Credit: 1 per semester Term(s): S1 or S2 | <div style="text-align: center;"> <u>161620 Waiter/Waitress</u> (2-hour class) Grade(s): 9 -12 </div> <div style="text-align: right;">  </div> |
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This course is designed to provide students with hands-on experience in our student operated gourmet restaurant. Students will develop skills they can utilize in employment situations. Students will:

- Demonstrate essential sanitation and safety requirements as followed by the National Restaurant Association ServSafe.
- Understand the expectations of the U.S. Business Culture.
- Apply service skills required in daily restaurant operations.
- Apply effective problem-solving strategies in employer-employee, co-worker, and customer situations.
- Evaluate job performance according to real-work standards and expectations of the workplace and personal job goals.

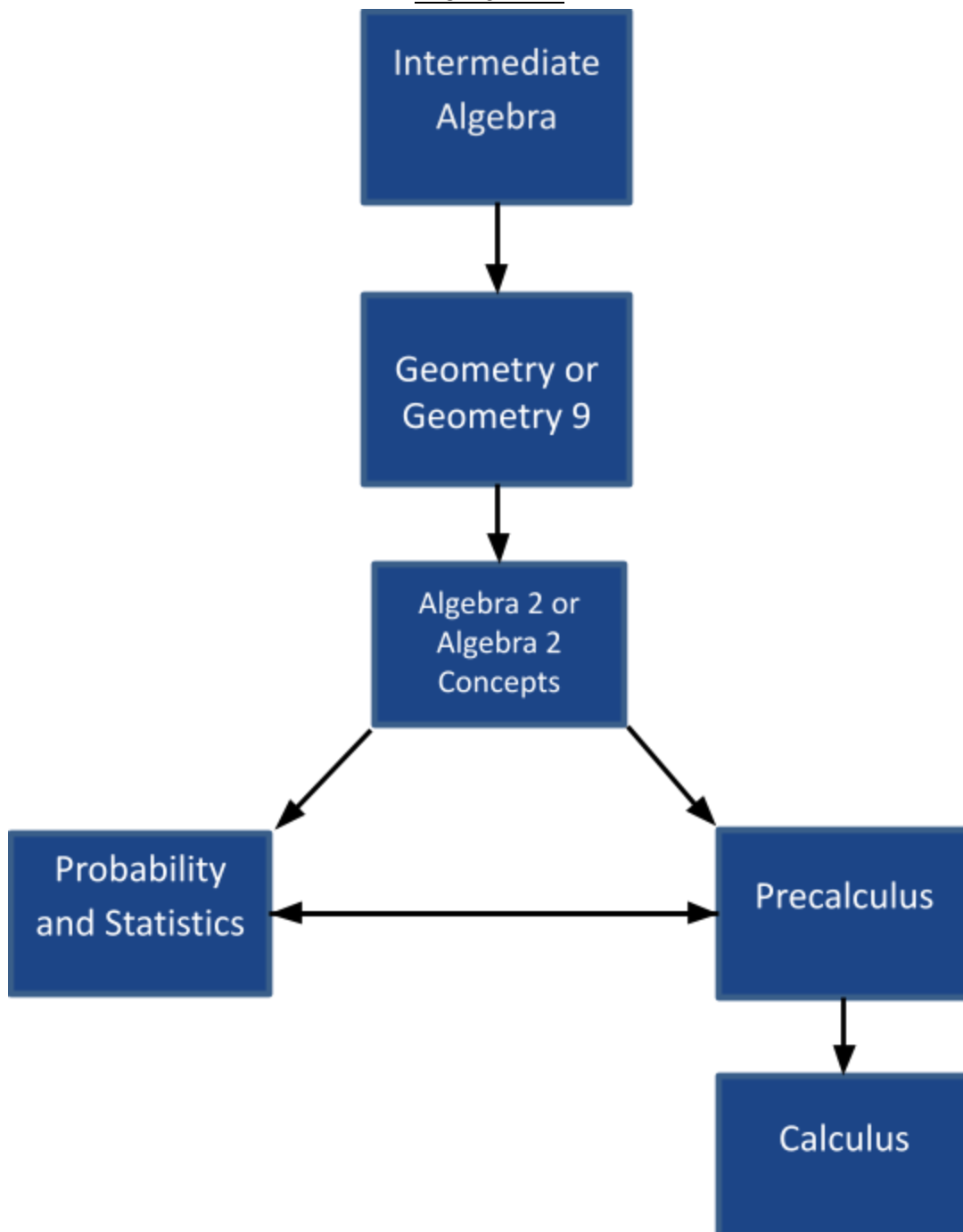
**This course is offered at East High School. Denfeld High School students may register for this course. Transportation is provided to and from East.*

MATHEMATICS




REQUIRED FOR GRADUATION

Three (3) credits of mathematics are required for graduation from high school in Minnesota. Students must complete Intermediate Algebra, Geometry, Algebra 2 or its equivalent as part of the three (3) credit requirements. Four years of mathematics is recommended for students who plan on attending higher education. For students with Individualized Education Plans (IEPs) and through credit recovery programs. See your high school counselor and/or case manager for further information.

FLOWCHART




MATH

| Course Key For details see page 13 | | | |
|---------------------------------------|---|--------------------------------------|---|
| Also Available through AEO |  | Career and Technical Education (CTE) |  |
| | | Repeatable |  |

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|--|---|
| Credit: .5 per semester Term(s): S1 & S2 (Elective credit) | <u>180001-180002 Algebra 1</u> Grade(s): 9 Elective Credit Only |
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This course is designed for ninth graders who need to develop mastery of skills and concepts which are prerequisites for Intermediate Algebra. Topics of study include relationships of data represented in various forms, linear functions and linear models, and properties of congruent and similar figures. This course is based on 8th grade and high school math standards. The student would receive 1.0 elective credit upon successful completion of the course. Students will still need to take Intermediate Algebra, Geometry and Algebra 2/Algebra 2 Concepts to fulfill graduation requirements.




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|---|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>181001-181002 Intermediate Algebra</u> Prerequisites: Algebra 1 Grade(s): 9 -12 |  |
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This course is designed for students who have successfully passed 8th grade Algebra 1. Students will understand the concept of function and identify its important features. Students will recognize and solve math problems involving linear, quadratic, and exponential functions in mathematical situations and represent functions with tables, graphs and symbols.

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| Credit: .5 per semester Term(s): S1 & S2 | <u>181201-181202 Geometry 9</u> Prerequisites: Intermediate Algebra Grade(s): 9 |
|---|--|


This course is designed for students who have successfully completed Intermediate Algebra in 8th grade. Students will calculate measurements of plane and solid geometric figure, solve geometric problems using algebraic methods, and construct logical arguments, based on axioms, definitions and theorems. Students will also know and apply properties of geometric figures (parallel and perpendicular lines, angles, triangles, quadrilaterals, Pythagorean Theorem, trigonometry, and circles) to solve real-world problems. Additional rigor will be incorporated into the course to extend students learning.

MUSIC


| Course Key For details see page 13 | | |
|---|--|---|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

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|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>190001-190002 9th Grade Band</u> Prerequisite: Previous instrumental study and/or director permission Grade(s): 9 |
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This course provides instruction in basic high school band repertoire and develops each student's proficiency in music. Course requirements will include concert performances, contest, lessons or sectionals, performance evaluations, playing tests, and the continued study of music theory.

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| Credit: .5 per semester Term(s): S1 & S2 | <u>191203-191204 Pop, Rock and Hip Hop</u> Grade(s): 9 -12 |  |
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This course is open to all students who are looking to explore the sounds of Pop, Rock, and Hip Hop. Students will have an opportunity to learn the fundamentals of music while playing instruments such as guitar, keyboards, drums, and voice. The goal is to achieve an authentic experience of what it is like to play and compose these styles of music, while studying the history, stylistic features, and influential artists. No previous music experience is required.

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| Credit: .5 per semester Term(s): S1 or S2 | <u>191210 Introduction to Guitar</u> Grade(s): 9 - 12 |  |
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Introduction to guitar is a step by step approach to the basics of guitar and music fundamentals. Students will learn strumming patterns, chords, finger-picking, note reading, and improvisation through a variety of genres, ranging from classical to rock and roll. The online format will provide direct instruction to the student via video lessons and feedback from the teacher. Students may provide their own guitar, or may rent or borrow a guitar through various outlets that will be provided by the teacher.

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| Credit: .5 per semester Term(s): S1 or S2 | <u>191220 Advanced Guitar</u> Grade(s): 9 -12 |  |
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Advanced Guitar is the next course in learning how to play the guitar and music fundamentals. Students will continue to master various playing techniques such as strumming patterns, chords, and finger-picking. Music from a variety of genres and time periods will be studied along with note reading and improvisation. Students will begin learning how to perform alone and together within small ensembles. Students may provide their own guitar, or may rent or borrow a guitar through various outlets that will be provided by the teacher. Experience in playing the guitar or participation in Introduction to Guitar course is required.




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| Credit: .5 per semester Term(s): S1 & S2 | <u>191451-191452 9th Grade Choir</u> Grade(s): 9 |
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This course is available to all students without an audition. Basic sight-singing, theory, history, and vocal techniques are taught. All ninth-grade students who are interested in singing should enroll in this course. Students will attend appropriate concerts throughout the year and will be required to evaluate them with a written critique. Concert participation is mandatory

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| Credit: .5 per semester Term(s): S1 & S2 | <u>192101-192102 9th Grade Orchestra</u> <u>Prerequisite:</u> Previous instrumental study and/or director permission Grade(s): 9 |
|---|---|

This course provides instruction in the basics of techniques and playing styles to develop each student's proficiency in music. Students will be assessed each semester with playing and music theory tests. Students will attend and critique appropriate concerts throughout the year. Concert participation is mandatory.

PHYSICAL EDUCATION

| Course Key For details see page 13 | | |
|--|---|--|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

| | | |
|--|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>210000 Foundations of Physical Education</u> Grade(s): 9 -12 |  |
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This course will enable students to fulfill their High School Physical Education .5 credit requirement in a traditional physical education class setting. Students will obtain physical skills and knowledge to achieve a health-enhancing level of physical activity for fitness activities, team sports, individual sports, games, lifetime activities and dance. Participation in physical activity is emphasized.

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|--|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>211100 Personal Fitness 1</u> Grade(s): 9 -12 |
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This course will enable students to fulfill their High School Physical Education .5 requirement in a fitness center, gym, and outdoor setting. Students will obtain physical skills and knowledge to achieve a health-enhancing level of physical activity focusing on improving or maintaining fitness. Students will create and implement a fitness plan using individual assessment of cardiovascular endurance, muscular endurance, flexibility and strength. Participation in physical activity is emphasized.

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| Credit: .5 per semester Term(s): S1 or S2 | <u>211500 Unified Physical Education</u> Grades: 9 - 12 |
|--|--|

This physical education course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness, and sport. Students will work together to increase competence and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students.

Aligned to State and National Standards, outcomes for all students include:

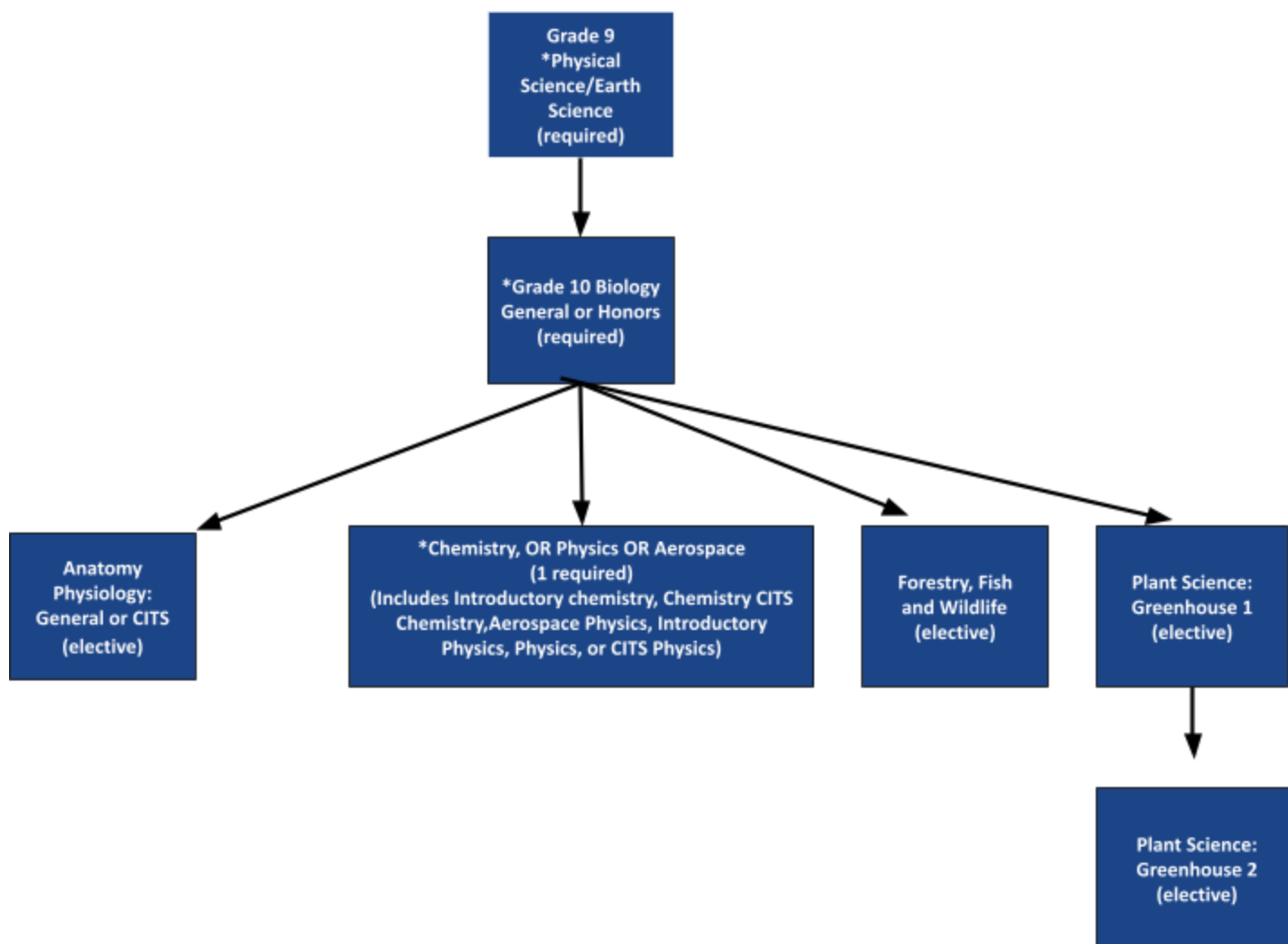
- Increased physical fitness and activity-specific skills
- New friendships and social inclusion fostered among classmates
- Reinforced positive habits and reasoning resulting in better health & lifestyle choices
- Advanced social and leadership competencies
- Deeper understanding of activity/game/sport rules and strategies
- Movement confidence and competence developed in a variety of physical activities/activity settings

SCIENCE




REQUIRED FOR GRADUATION


Three (3) credits of science, including physical science, biology and EITHER a physics or chemistry course credit are required for high school graduation. Additional science courses are available to meet graduation requirements for students with Individualized Education Plans (IEPs) and through credit recovery programs. See your case manager or high school counselor for further information. It is important to follow your pathway for Science - you can have an honors course, switch to a regular science course, then switch back to honors the next year.

FLOWCHART






SCIENCE


| Course Key For details see page 13 | | |
|--|---|--|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

| | | |
|---|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>220001-220002 Physical Science 9/Earth Science 9 Integrated</u> Grade(s): 9 |  |
|---|---|---|

Physical Science is a two-semester course that introduces chemistry one semester and physics the other semester. The course is designed to help students understand basic chemistry and physics in a laboratory situation. The goal is to help students become more aware of the importance of science in the world around them. Students will develop an understanding of these disciplines through the process of scientific investigations, hands-on activities, group work, and projects. This course will also integrate Earth Science concepts into the Physical Science course. [Go back to table](#)




SOCIAL STUDIES

| Course Key For details see page 13 | | |
|--|---|--|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

| | | |
|--|---|---|
| Credit: .5 per semester Term(s): S1 or S2 | <u>230010 Civics In Global Society</u> Grade(s): 9 |  |
|--|---|---|

The goal of this course is to provide students with a foundational skill set for understanding global citizenship. Students will investigate how society is organized through various government and social structures, including citizenship, rights, and responsibilities. This course will also integrate geospatial skills to help understand human systems of settlement, population, and migration, and the impact of these systems on societies around the world.

WORLD LANGUAGES


| Course Key For details see page 13 | | | |
|--|---|--------------------------------------|---|
| Also Available through AEO |  | Career and Technical Education (CTE) |  |
| | | Repeatable |  |

| | |
|---|--|
| Credit: .5 per semester Term(s): S1 & S2 | <u>240001-240002 German Level 1</u> Grade(s): 9 -12 |
|---|--|


This course is designed for students with little to no knowledge of the German language. During German 1 students will develop language skills allowing them to read, speak, write, and understand simple sentences about themselves and everyday life as well as explore various cultural aspects of the German-speaking world. Emphasis is given to building comprehension and literacy skills in German. This course is designed to develop language proficiency starting from the Novice-Low Proficiency Range as determined by the American Council on the Teaching of Foreign Languages (ACTFL).

| | |
|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>241001-241002 German Level 2</u> Prerequisite: German Level 1 Grade(s): 9 -12 |
|---|---|

German 2 focuses on expanding the range of everyday life topics that students can talk, read, listen, write and converse about. In German 2, students rely less on memorized phrases and begin communicating in longer and more varied sentence structures. They continue to make simple comparisons and connections with the products and practices of the German-speaking world and increase their independent reading skills. This course is designed to increase students' language proficiency starting from the Novice-Mid+ Proficiency Range as determined by the American Council on the Teaching of Foreign Languages (ACTFL).

| | | |
|---|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>241301-241302 Spanish Level 1</u> Grade(s): 9 -12 |  |
|---|---|---|

This course is designed for students with little to no knowledge of the Spanish language. During Spanish 1 students will develop language skills allowing them to read, speak, write, and understand simple sentences about themselves and everyday life as well as explore various cultural aspects of the Spanish-speaking world. Emphasis is given to building comprehension and literacy skills in Spanish. This course is designed to develop language proficiency starting from the Novice-Low Proficiency Range as determined by the American Council on the Teaching of Foreign Languages (ACTFL).

| | | |
|---|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>241401-241402 Spanish Level 2</u> Prerequisite: Spanish Level 1 Grade(s): 9 -12 |  |
|---|---|---|

Spanish 2 focuses on expanding the range of everyday life topics that students can talk, read, listen, write and converse about. In Spanish 2, students rely less on memorized phrases and begin communicating in longer and more varied sentence structures. They continue to make simple comparisons and connections with the products and practices of the Spanish-speaking world and increase their independent reading skills. This course is designed to increase students' language proficiency starting from the Novice-Mid+ Proficiency Range as determined by the American Council on the Teaching of Foreign Languages (ACTFL).




| | |
|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>242301-242302 Ojibwemowin Level 1</u> Grade(s): 9 -12 |
|---|---|

This course will provide students with opportunities to develop themselves as lifelong-learners of Ojibwemowin. Students will acquire fundamental listening, speaking, reading, and writing skills in Ojibwemowin. Topics include, but are not limited to, grammar functions and vocabulary development, fluency with survival phrases, understanding through hearing and speaking the sounds of Ojibwemowin, and an applied understanding of elements of the cultures of the diverse Ojibwe-speaking world. Ojibwemowin language skills will center on everyday life situations and Ojibwe perspectives of oneself and the world. Required texts may provide an historical framework for contemporary life experiences.

| | |
|---|---|
| Credit: .5 per semester Term(s): S1 & S2 | <u>242401-242402 Ojibwemowin Level 2</u> Prerequisite: Ojibwemowin Level 1 Grade(s): 9 -12 |
|---|---|

This course will provide learners with opportunities to continue to develop themselves as lifelong-learners of Ojibwemowin. This course expands on the language skills and topics from the Ojibwemowin 1 course. Topics include, but are not limited to, increased grammatical understanding, vocabulary development, a continued focus on listening comprehension and speaking in narratives in Ojibwemowin with an increase in use of creative language that students will apply through conversational situations, and an applied understanding of elements of the cultures of the diverse Ojibwe-speaking world. Required texts may provide an historical framework for contemporary life experiences.

SPECIAL EDUCATION

| Course Key For details see page 13 | | |
|---|--|---|
| Also Available through AEO  | Career and Technical Education (CTE)  | Repeatable  |

*The courses in this section are only available to students with an Individual Education Plan (IEP). All courses will require approval by the IEP case manager.

| | |
|---|--|
| Credit: .5 per semester Term(s): S1 & S2 | <u>801131 - 801132 Reading/Writing Strategies</u> <u>Prerequisite:</u> Approval by IEP manager Grade(s): 9 - 12 |
|---|--|


This class is individualized for students who have not passed the MCAs. Students will focus on improving reading and writing skills specific to reading fluency, decoding skills, and reading comprehension, based on IEP goals. This course can be taken multiple times for credit per IEP team decision.

| | |
|--|--|
| Credits: .5 per semester Term(s): S1 & S2 | <u>801181-801182 Math Strategies</u> <u>Prerequisite:</u> Approval by IEP manager Grades(s): 9 - 12 |
|--|--|

This class is individualized for students who have not passed the MCAs. Students will focus on improving skills in addition, subtraction, multiplication, and division of whole numbers, decimals, fractions, and percents. Applied problems, measurements, ratios, proportion, circles, cylinders, probability, statistics, and graphing will also be studied based on IEP goals. This course can be taken multiple times for credit per IEP team decision.

| | |
|--|---|
| Credits: .5 per semester Term(s): S1 & S2 | <u>801251- 801252 Self Advocacy</u> <u>Prerequisite:</u> Approval by IEP manager Grades(s): 9 - 12 |
|--|---|


This class offers students with emotional and/or behavior disorders opportunities to work as a part of a small group in activities related to attitudes and behaviors which will result in the ability to function successfully in school. A willingness to participate in discussion by using appropriate listening and speaking skills and by doing in-class reading and writing activities is required. This course also includes individual conferences regarding progress in all classes and individualized tutoring to assist in the completion of mainstream requirements. It is also designed to extend the skills of students who have been diagnosed as disabled in reading, writing, listening skills, oral expression, or study skills. Its purpose is to assist them in completing and earning required mainstream course credits. Students will be instructed in learning strategies for studying, test taking, and task completion. They will also receive instruction in organizational strategies to increase the probability of success. This course can be taken multiple times for credit per IEP team decision.

| | |
|---|--|
| Credit: .5 per semester Term(s): S1 & S2 | <div style="text-align: center;"> <u>801261- 801262 Transition</u> <u>Prerequisite:</u> Approval by IEP manager Grades(s): 9 - 12 </div>  |
|---|--|

This course will address the transition needs of students and will focus on the five areas of transition as identified by the student's IEP (i.e. Home Living, Jobs and Job Training; Postsecondary Education and Learning Opportunities; Recreation and Leisure; and Community Participation). Topics will include: career exploration, investigating post-secondary options, study skills, organization skills, social skills, money management, self-advocacy skills, health and safety issues, communication skills, consumer awareness, community participation, and the development of recreation and leisure skills. The coursework will be individualized for each student based on IEP goals. This course can be taken multiple times for credit per IEP team decision.

| | |
|---|--|
| Credit: .5 per semester Term(s): S1 & S2 | <div style="text-align: center;"> <u>801271- 801272 Life Skills</u> <u>Prerequisite:</u> Approval by IEP manager Grades(s): 9 - 12 </div> |
|---|--|














In this class, special attention is given to developing student skills in daily living and life skills, vocational skill building, transition planning, and implementation. All areas of study are based on student IEP goals and objectives. Services are delivered through hands-on activities and community based learning. Students develop independent living and personal social skills necessary to manage a home, family and finances. Further, students will develop appropriate levels of independence, self-confidence, and socially acceptable behaviors. Through classroom instruction, hands-on activities and community outings, students study areas of: health, safety, nutrition, meal planning, preparation and clean up, consumer skills, home management skills, personal finances, and community living. Students will also receive career skills and training through curriculum and on-the-job experiences in the school and community.

| | |
|---|--|
| Credit: .5 per semester Term(s): S1 & S2 | <div style="text-align: center;"> <u>801281- 801282 Work Experience</u> <u>Prerequisite:</u> Approval by IEP manager Grades(s): 9 - 12 </div>  |
|---|--|

This course uses community job sites and seminar to teach students employment skills. Students may have a job, or will find a job with help from the work coordinator. The goal of the work experience program is to help students with job seeking and retention skills, through an individual employment plan. Students will learn specific employment skills, such as effectively interacting with co-workers and employers, and advocating for themselves at a work site. They will also develop good work habits and identify personal employment preferences.

2021-2022 COURSE LISTINGS (OVERVIEW)

Course Key - D Denfeld E East  Also Available through AEO *Courses are a 2-hour block of time

| | | |
|--|--|---|
| Art  Art Across Mediums 100000 Drawing & Painting 1 101000 Advanced Drawing & Painting 101100 Art of Photo & Cinematography 1 101300 Advanced Art of Photo & Cinematography 101400 Ceramics & Sculpture 1 101600 Advanced Ceramics & Sculpture 101700 Stained Glass, Metals & Fiber 1 101900 Advanced Stained Glass, Metals & Fiber 102000 | Business/Marketing  Introduction to Marketing 114100 Sports and Entertainment Marketing 114200 Business Management, Leadership, Coaching 114300 Starting Your Own 114400 Business-Entrepreneurship | Engineering and Industrial Technology Introduction to Engineering 121211 Principles of Engineering 121502 Manufacturing Technologies 1 124101 Manufacturing Technologies 11 124102 CAD for Architecture 1 122101 CAD for Architecture 11 122102 Construction Tech 1 (E) 171621-171622* Automotive Basics: Brakes and Engines (D) 171921-171922* Automotive Basics: Transmission and Suspension (D) 172121-172122* |
| Education Child Development/Child Psychology 201400 | English  English 9 130001-130002 Honors English 9 131001-131002 | General Electives Freshman Seminar 250000 |
| Graphic Arts/Communication Tech Graphic Arts/Digital Design 1 102201-102202 | Hospitality And Tourism Introduction to Cooking 160000 Level 1 Restaurant Management 160020* Classical Line Cooking (E) 161320* Classical Cooking (E) 161420* Waiter/Waitress (E) 161620* | Mathematics Algebra 1 (Elective Credit Only) 180001-180002  Intermediate Algebra 181001-181002 Geometry 9 181201-181202 |
| Music 9th Grade Band 190001-190002  Pop, Rock and Hip Hop 191203-191204  Introduction to Guitar 191210  Advanced Guitar 191220 9th Grade Choir 191451-191452 9th Grade Orchestra 192101-192102 | Physical Education  Foundation of Physical Education 210000 Personal Fitness 1 211100 Unified Physical Education 211500 | Science  Physical Science 9 220001-220002 |
| Social Studies  Civics In Global Society 230010 | Special Education Reading/Writing Strategies 801131-801132 Math Strategies 801181-801182 Self Advocacy 801251-801252  Transition 801261-801262 Life Skills 801271-801272 Work Experience 801281-801282 | World Languages German Level 1 240001-240002 German Level 2 241001-241002  Spanish Level 1 241301-241302  Spanish Level 2 241401-241402 Ojibwemowin Level 1 242301-242302 Ojibwemowin Level 2 242401-242402 |

[Return to the Table of Contents](#)

[Return to Course Listing Overview](#)

REGISTRATION WORKSHEET for Graduation Year 2025

Student Name: _____

When listing courses, please list the course number and name for each semester. Place a .5 credit for each semester. This is your list of course requests, your final schedule may differ than the requested courses.

Semester One

| Course No. | Course Title | Credit |
|--------------------------------------|---|--------|
| 220001 | Physical Science 9 | .5 |
| 130001 131001 | Check one: <input type="checkbox"/> English 9 <input type="checkbox"/> Honors English 9 | .5 |
| 210000 211100 | Check one: <input type="checkbox"/> Foundation of Physical Education <input type="checkbox"/> Personal Fitness 1 | .5 |
| 180001 181001 181201 | Check one: <input type="checkbox"/> Algebra 1 (Elective Credit Only) <input type="checkbox"/> Intermediate Algebra <input type="checkbox"/> Geometry 9 | .5 |
| Write in two electives below: | | |
| | | |
| | | |
| Total Semester Value | | |

Semester Two

| Course No. | Course Title | Credit |
|--------------------------------------|---|--------|
| 220002 | Physical Science 9 | .5 |
| 130002 131002 | Check one: <input type="checkbox"/> English 9 <input type="checkbox"/> Honors English 9 | .5 |
| 230010 | Civics In Global Society | .5 |
| 180002 181002 181202 | Check one: <input type="checkbox"/> Algebra 1 (Elective Credit Only) <input type="checkbox"/> Intermediate Algebra <input type="checkbox"/> Geometry 9 | .5 |
| Write in two electives below: | | |
| | | |
| | | |
| Total Semester Value | | |

Please list alternative courses as it is not always possible to schedule your first choices.

| Course No. | Alternate Course Title | Credit |
|------------|------------------------|--------|
| | | |
| | | |

| Course No. | Alternate Course Title | Credit |
|------------|------------------------|--------|
| | | |
| | | |