

New London-Spicer High School Curriculum Guide 2023-2024



(For the class of 2024 and Beyond)

"The district does not discriminate on the basis of race, color, national origin, sex or disability"

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GENERAL INFORMATION FOR STUDENT AND PARENTS

New London-Spicer High School

This booklet is designed to give you an understanding of the high school curriculum and the various opportunities available for each student. If you have additional questions please ask a teacher within that department, a counselor, or the principal. Courses, descriptions and other needed information are listed by department. Parental involvement in the registration process is encouraged and highly recommended.

Special Message to Students

It is very important for the student to carefully plan his or her own future education program. Students should consider their interests and abilities along with strengths and weaknesses when choosing classes. High school can and should be a meaningful experience. Careful planning helps students get more out of his or her high school experience. Students will earn a letter grade and a 1/2 credit in each semester course, unless designated otherwise. Select your courses carefully as student registration will be used to determine the number of sections offered for a course, course schedule, and teacher assignments. Seniors will have priority in registration for classes, followed by juniors, sophomores, and then freshmen.

There are two purposes for early registration:

1. To enable students to select courses that will help them prepare for the future while meeting the requirements for high school graduation.
2. To determine the course sections and the hiring of faculty for the next year. In many cases, the responses to certain classes and the availability of teachers will determine whether or not a subject will be taught.

Schedule Changes:

Students will not be allowed to change their schedule without principal or counselor approval. Take time to register for classes you truly wish to take. Schedules will be final the first day of school. If after registration a course is canceled, the student will be notified and asked to make another choice.

GRADUATION REQUIREMENTS

Students must successfully complete the following credits to graduate with a NL-S diploma.

TOTAL 9-12 REQUIRED AREAS	<u>Credits</u>
English	4.0
Mathematics (encompassing at least Algebra, Geometry, and Algebra II, Statistics and Probability)	3.0
Physical Education/Health	1.5
Science (1 credit in Physical Science, 1 credit in Biology, and 1 credit in Chemistry or Physics)	3.0
Social Studies (1 credit in Geography, 1 credit in U.S. History, 0.5 credit in World History, 0.5 credit in Economics, 0.5 credit in Government/Citizenship)	3.5
Art (Visual Arts, Music, Theatre, or Media Arts)	1.0
Total Required Credits	16.0
Total Elective Credits	<u>8.0</u>
Total Credits Needed for Graduation	24.0

Commencement Participation:

To be eligible to participate in commencement exercises, a student must be on schedule to graduate May 1 (or the first regular school day in May) and be a resident of the New London-Spicer School District, or an open enrolled student.

The following courses may be taken for Art Credit:

Visual Art:

Intro to Art I & II, Mosaics/Basic Woodworking, Art & Design I & II, Independent Study in Visual Art, 3-Dimensional Art, Studio Art I & II, 2-Dimensional Art (class offering may rotate and be offered every other year.)

Music:

Band & Choir

Theatre:

Introduction to Theatre

Other

House & Interior Design, Desktop Publishing, Yearbook

CLASSIFICATION OF STUDENTS

Grade classification will be determined at the beginning of each year. Once a student has begun the new school year, the classification will remain the same throughout that year. Classification will be determined by both credits and years as follows:

1 year and 0 Credits - Freshman

3 years and 10 credits - Junior

2 years and 3 Credits - Sophomore

4 years and 17 credits - Senior

Listed below are the suggestions for each grade:

Grade 9

1.0 English 9

1.0 World Geography

1.0 Mathematics

1.0 Science

.5 Phy Ed

.5 Health

1.0 Elective

6.0 Credits

Grade 10

1.0 English 10

1.0 U.S. History

1.0 Mathematics

1.0 Biology

.5 Phy. Ed

1.5 Elective

6.0 Credits

Grade 11

1.0 (.5 Economics/.5 Am Gov.)

1.0 English

1.0 Science (Chemistry/Physics)

1.0 Mathematics

2.0 Electives

6.0 Credits

Grade 12

1.0 English

.5 World History (Social)

4.5 Electives

6.0 Credits

Minnesota Technical and Community Colleges:

- A high school diploma is required for admission
- Accuplacer test in math & English are required to determine class placement
- ACT is not required.

Four Year Colleges

*Universities may consider the following when granting admission:

- GPA, ACT Score, Course Rigor, Personal Essay, Letters of Recommendation.
- In addition to our high school graduation requirements, some colleges may recommend two or more years of a single world language and additional math and science credits.

Check information from the individual college or university for specific admission requirements.

Concurrent Enrollment Classes

These classes are taught in our high school by our teachers in partnership with a college. Our students earn college credit at no cost to them.

We have partnerships with the University of MN-Twin Cities, Southwest Minnesota State University and Minnesota State University - Mankato.

Southwest MN State University offers:

Academic Writing- 4 credits
College Speech- 3 credits
Lit. 100 Human Diversity- 3 credits
College Algebra- 3 credits
Trig. And Special Functions – 3 credits
Intermediate Spanish – 4 credits
Psychology - 3 credits

University of MN-TC offers:

College Physics – 4 credits
Human Physiology, Medical Devices,
and Technology – 4 credits

MN State Univ. - Mankato

Human Growth & Development - 3 credits
College Biology - 4 credits

Please be aware that the drop dates for the college and the high school do not align. See a counselor for more information. Criteria for each class may vary but generally juniors and seniors should have a GPA of 3.0. Test scores may also be used to determine eligibility.

Advanced Placement Courses

Advanced Placement (AP) classes are designed for students with high ability and achievement, as they are an in-depth study of their specific curriculum.

NL-S Offers:

AP Pre-Calculus
AP Calculus

AP courses teach college level curriculum and include an end of the year exam. AP exam scores determine college credit based on individual college criteria.

There is a fee for each exam which is taken in May.

For more information, goto www.collegeboard.org

Post-Secondary Enrollment Options Program (PSEO)

The Post-Secondary Enrollment Options (PSEO) program allows high school students to attend a post secondary school either full or part-time at no cost to the student. PSEO has a dual purpose: 1) to promote rigorous educational pursuits and 2) to provide a variety of options for students. Any 11th or 12th grade student may enroll at an eligible college if they meet the criteria. Tenth grade students may take one career and technical course if they meet PSEO eligibility requirements. Eligibility requirements are based on GPA and/or test scores.

Students interested in this program must submit their paperwork to the college by **May 30th** for fall and spring semesters. Please note some colleges have earlier deadlines. A mandatory parent meeting with the student is required to discuss the PSEO program.

If enrolled part-time at a college and part-time at the high school, a full time equivalency between the schools must be maintained. One college credit equals .25 high school credit. For example, a four (4) credit college class will equal one high school credit. A student cannot attend high school on a full-time basis and participate in the PSEO program on a part-time basis.

If a PSEO class is failed and the credits are needed for high school graduation, the PSEO student will not be allowed to participate in the graduation ceremony.

TITLE IX

It is the policy of Independent School District No. 345 not to discriminate on the basis of sex, race, creed, color, age or national origin in its educational programs, activities or employment policies. Inquiries regarding compliance with Title IX and other Statues may be directed to:

Thayne Johnson, Athletic Director
New London-Spicer High School
101 4th Ave SW
New London, MN 56273
Phone: 320-354-2252 ext. 2603

9th Grade Registration Worksheet

*Curriculum guides with course descriptions can be found on the district website.

* Go to www.nls.k12.mn.us Click on High School. Click on the Curriculum Guide Link.

Students currently in Algebra I will be recommended for either Algebra I (1091/2091) or Geometry (1120/2120).

Students may choose from the following **general electives**:

ONE SEMESTER ONLY

1143A Engineering Ess.	1st Semester	.5 credit	2085 Industrial Tech	2nd Semester	.5 credit
1109 FACS For Life	1st Semester	.5 credit	2084 FACS For Life	2nd Semester	.5 credit
1048 Computer Science	1st Semester	.5 credit	2045 Computer Science	2nd Semester	.5 credit
1171 Desktop Pub.	1st Semester	.5 credit	2171 Desktop Pub.	2nd Semester	.5 credit
1080 Culinary Arts I	1st Semester	.5 credit	2080 Culinary Arts I	2nd Semester	.5 credit

SEMESTER or YEAR

1063 Agri-Business	1st Semester	.5 credit	2063 Agri-Business	2nd Semester	.5 credit
1900 Study Hall	1st Semester	.5 credit	2900 Study Hall	2nd Semester	.5 credit
1007 Intro to Art I	1st Semester	.5 credit	1043 Intro to Art II	2nd Semester	.5 credit

YEAR LONG

1072/2072 Concert Band	Year Long	1 credit	1073/2073 Concert Choir	Year Long	1 credit
1013/2013 Spanish I	Year Long	1 credit	3001A/3001B Live Streaming	Year Long	1 credit

1st Semester

2nd Semester

Course Number	Course Title		Course Number	Course Title
1081	English 9		2081	English 9
	Math			Math
1112	Phy Ed/Health		2112	Phy Ed/Health
1083	Science 9		2083	Science 9
1051	World Geography		2051	World Geography
	(alternate)			(alternate)
	(alternate)			(alternate)

STUDENT NAME

DATE

PARENT SIGNATURE

DATE

10th Grade Registration Worksheet

*Curriculum guides with course descriptions can be found on the district website.

* Go to www.nls.k12.mn.us Click on High School. Click on the Curriculum Guide Link.

1st Semester		2nd Semester	
Course Number	Course Title	Course Number	Course Title
1025	Biology 1	2025	Biology II
1559	English 10	1560	English 10
	Math		Math
1016	U.S. History	2016	U.S. History
	(alternate)		(alternate)
	(alternate)		(alternate)

If your last name begins with A-L
you need to sign up for
1st Semester Phy Ed Class # 1076

If your last name begins with M-Z
you need to sign up for
2nd Semester Phy Ed Class # 2076

STUDENT NAME

DATE

PARENT SIGNATURE

DATE

11th Grade Registration Worksheet

*Curriculum guides with course descriptions can be found on the district website.

* Go to www.nls.k12.mn.us Click on High School. Click on the Curriculum Guide Link.

1st Semester		2nd Semester		
Course Number	Course Title		Course Number	Course Title
	English			English
2031	Government		1031	Econ
	Math			Math
	Science			Science
	(alternate)			(alternate)
	(alternate)			(alternate)

STUDENT NAME

DATE

PARENT SIGNATURE

DATE

12th Grade Registration Worksheet

*Curriculum guides with course descriptions can be found on the district website.

* Go to www.nls.k12.mn.us Click on High School. Click on the Curriculum Guide Link.

1st Semester		2nd Semester		
Course Number	Course Title		Course Number	Course Title
	English			English
	(alternate)			(alternate)
	(alternate)			(alternate)

***If your last name begins with A-L
sign up for World History #1017 or #1517
1st Semester**

***If your last name begins with M-Z
sign up for World History #2017 or #2517
2nd Semester**

STUDENT NAME

DATE

PARENT SIGNATURE

DATE



AGRIBUSINESS EDUCATION

Wildlife/Natural Resources

Course Number: 1064

Grade Level: 10-12

Prerequisite: None

Course Info: 1st Semester

This course will cover the history of wildlife management, the importance of natural resources and ecosystems, habitat requirements of wildlife, water quality, soils, forests, prairies, wetlands, animal welfare, animal rights, hunting history and the importance of game management. We will also cover wildlife identification of birds, mammals and fish native to Minnesota. We will cover endangered species and management of predator and prey.

Vet Science

Course Number: 2064

Grade Level: 10-12

Prerequisite: None

Course Info: 2nd Semester

This course will offer an in-depth look at career opportunities in veterinary science. Additional topics will include the concept of cells, tissues, small animal systems, nutrition, species comparison, principles of disease, disease prevention, diagnosis, surgery, and vaccination administration. Major emphasis of this class will be placed on the small animal or companion animal veterinary practices to include dogs, cats, rabbits, tropical fish, birds and horses. Students will learn the role of genetics in predicting inheritable traits from parents to offspring, as it relates to controlling or promoting traits in breeding class animals. Students will learn how to care for their small animals including; prenatal, and postpartum care of animals in the lab.

Exploring Agribusiness

Course Number: 1063/2063

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester or Year Long

This course covers the importance of Agriculture, Horticulture, Wildlife Management, Crop and Animal Science, Natural Resource Management, Agricultural Mechanics, Career Exploration, Intro to Welding, Carpentry, Hot & Cold Metals, Meat Science and Nutrition, Agricultural Leadership, Development/FFA.

Landscaping

Course Number: 2066

Grade Level: 10-12

Prerequisite: None

Course Info: 2nd Semester

This course covers the principles of landscape design, bedding plant production, use of trees and shrubs in the landscape, landscape drawing, planting trees and shrubs, landscape construction, lawns and lawn care, principles of horticulture, techniques of pruning, and careers in the landscape design industry.

Welding I

Course Number: 1068

Grade Level: 10-12

Prerequisite: None

Course Info: 1st Semester

Shop Safety, Welding by forehand/backhand method, Rod Selection and Identification, Welding mild steel with E7014, E6011 & E6013 Rods, Fusion Welding with Oxy-Acetylene Welder, Use of Metal Inert Gas Welder (Mig), Oxy-Acetylene Welder, 220 Volt Arc Welder, Metal Cutting-Metal Art.

Welding II

Course Number: 2068

Grade Level: 10-12

Prerequisite: Welding I

Course Info: 2nd Semester

Shop Safety, Use of 120 Volt Metal Inert Gas Welder (Mig); Oxy-Acetylene Cutting Torch; Arc Welder to Weld Pipe; Use of: Mig Welder to Weld Pipe; Oxy-Acetylene to Braze Metal; Welding Vertically up & down-Mig & Arc, Welding; Horizontally-Mig & Arc, Computer Aided Plasma Cutting – Metal Art.

Advanced Metals

Course Number: 1165/2067

Grade Level: 11-12

Prerequisite: Welding /Welding II

Course Info: 1st Semester or 2nd Semester or Year Long

Topics covered in this class are Shop Safety, Making Leak Proof Welds, Use of Tungsten Inert; Gas Welder (Tig), Designing a Shop Project of Metal and Wood (if needed), Production of 100% Penetration, Welds Using E6011, Building a Shop Project, Use of Metal to design a chess piece, Use of E6010 DC Welding Rods, Use of Welder to Weld Aluminum, Plastic weld, molding aluminum, plasma cutting, computer aided plasma metal art cutting.

Mechanical Physics

Course Number: 1531/1532

Grade Level: 11-12

Prerequisite: None

Course Info: 1st Semester, 2nd Semester or Year Long (Year Long is recommended)

This course will combine concepts of engines, electricity, carpentry, and general agriculture mechanics to fulfill state standards of physics. Principles of engine operation, along with overhaul and operation of a V-Twin engine. Precision measuring and testing, ignition, compression, carburation, electrical, and exhaust systems overview. Careers in the engine industry, and preventative maintenance of outdoor power equipment. Topics include electrical theory, Ohm's law, electrical safety, electrical wiring and electrical sensing devices. Electrical wiring and circuit completion in the mock house set-up. Careers in the electrical trades. **(Meets Physics Requirement)**

Agriculture Structures

Course Number: 1075/2075

Grade Level: 12

Prerequisite: None

Course Info: Year Long (2 Hour Block)

During the construction of the house, students will be engaged in all facets of residential carpentry starting with block and mason work, ending with trim and finish carpentry. Students will gain vital skills essential to become a highly skilled, effective carpenter in our community. Local community experts will serve as guest speakers, and presenters throughout the year.

Ag Co-op

Course Number: 1071/2071

Grade Level: 11-12

Prerequisite: Must be enrolled in an Ag Class to be eligible.

Course Info: 1st Semester or 2nd Semester or Year Long. Students must work a minimum of 15 hours per week.

Topics covered in this class are forms and reporting, work agreement, weekly report forms, evaluations, and on the job requirements for agriculture and mechanical related jobs.

Leadership in FFA

Course Number: 1067/2179

Grade Level: 10-12

Prerequisite: Must be an active member of the NL-S FFA

Course Info: 1st Semester or 2nd Semester or Year Long

This course will offer FFA members an organized setting where students can develop and advance their Supervised Agricultural Experience Program. Students will earn basic record keeping skills vital for the completion of awards programs offered through the National FFA Organization. Students will use a computer to keep SAE records and to file for awards as well as State and American Degrees. Career Development events will be practiced in class, with the opportunity to compete at the State and National Conventions. Conduct of meetings, speech development, and committee responsibilities will also be covered in this section.

ART



INTRODUCTION TO ART I (1st Semester)

INTRODUCTION TO ART II (2nd Semester)

Course Number: 1007/1043

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester or Year Long

*counts as 1 credit for Arts Requirement if taken all year

INTRODUCTION TO ART is a beginning art course designed for any student interested in the visual arts. The curriculum offers a broad range of topics within 2-dimensional media (drawing, painting, printmaking) and 3-dimensional media (ceramics, sculpture). Students will learn design techniques, make art in a variety of ways, and practice problem-solving. Instruction also includes art history, art vocabulary components and tests.

STUDIO ART I (1st Semester)

STUDIO ART II (2nd Semester)

Course Number: 1018/2218

Grade Level: 10-12

Prerequisite: Complete one year of Intro to Art OR be in 11th/12th grade

Course Info: 1st Semester or 2nd Semester or Year Long

*counts as 1 credit for Arts Requirement if taken all year

STUDIO ART is a comprehensive art class for students interested in working in a creative environment. Can be taken all year. All skill levels are welcome!

Curriculum focuses on developing an appreciation for the visual arts through artmaking and art history lessons. Assignments include projects in clay, painting, sculpture, printmaking and drawing. With an emphasis on producing art, this course is designed to improve students' technical abilities and provide uninterrupted studio time for more complex works of art.

MOSAICS AND BASIC WOODWORKING

Course Number: 1200/2200

Grade Level: 10-12

Prerequisite: None

Course Info: Year Long

*counts as 1 credit for Arts Requirement

MOSAICS AND BASIC WOODWORKING is a course team taught by Mrs. Weber and Mr. Gabrielson. Assignments introduce students to basic woodworking methods and various craft and mosaic arts. Instruction also includes activities in art history, design, evaluation, and art/woodworking techniques.

2-DIMENSIONAL ART I (1st Semester)

2-DIMENSIONAL ART II (2nd Semester)

Course Number: 1019/2019

Grade Level: 10-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester or Year Long

*counts as 1 credit for Arts Requirement if taken all year

2-DIMENSIONAL ART is a course for students who love to draw (or those who want to learn)! Can be taken all year. All skill levels are welcome.

Students will learn to use ink, charcoal, graphite, and paint in a variety of ways. Instruction also includes activities in the historical and multicultural aspects of 2D art media.

INDEPENDENT STUDY in Visual Art

Course Number: 1065/1045

Grade Level: Seniors Only

Prerequisite: 2 or more Art classes prior to 12th grade

Course Info: Year long

INDEPENDENT STUDY is a student driven art class that includes both hands-on art projects and online course material. Students are provided with their own studio space and goals are individualized for the interests of each student with a requirement to present a collection of work at the annual NLS Senior Art Show and MSHSL Art Festival. Students also learn to develop an art portfolio for job seeking and entrance requirements to art school.

BUSINESS EDUCATION



Accounting I

Course Number: 1039/2039

Grade Level: 11-12

Prerequisite: None

Course Info: Year Long

This course is for students interested in knowing about the basics in keeping records for themselves, for a business, or prep for college. This class is highly recommended for students considering a degree in accounting, finance, business management, administration, administrative assistant or agriculture.

Computer Science

Course Number: 1048/2045

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester

This course covers a broad range of computer science topics such as problem solving and programming while inspiring students as they build their own websites, apps, and games. This course will also introduce students to programming classroom robots.

Desktop Publishing

Course Number: 1171/2171

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester

****Meets Arts Requirement**

This class introduces students to graphics software and desktop publishing. Students will learn the fundamentals of Photoshop to create and modify digital images and Publisher to create and design professional-looking documents such as newsletters, brochures, and business cards that could be used in business, school and in everyday life. This class is recommended, but not required, for Yearbook Production.

Personal Financial Management

Course Number: 1041/2041

Grade Level: 10-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester

Do you know how to spend your money wisely? Do you know how to save for your future? Personal Financial Management is a course that everyone needs. It is designed to give a solid base for those students considering further study in business, as well as offering useful and practical information about everyday living to those students not intending further business studies. Areas covered are: personal money management & budgeting, investing, taxes, wages, banking, loans, credit, credit & debit cards, buying & renting a house and insurance.

Yearbook Production

Course Number: 1095/2095

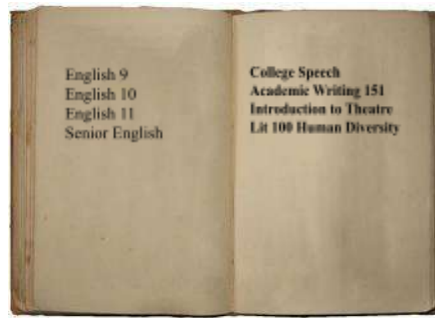
Grade Level: 10-12

Prerequisite: None

Course Info: Year Long

****Meets Arts Requirement**

Students will produce the yearbook for New London-Spicer High School. Students will create the theme, design, layouts and produce pages suitable for publication. Basic principles of photography will be introduced. It is essential for the student to take photographs of the daily life and special events of our high school. Desktop Publishing is a suggested, but not required, course to take before Yearbook Production.



ENGLISH

English 9

Course Number: 1081/2081

Grade Level: 9

Prerequisite: None

Course Info: Year Long (Required)

Students will read Romeo and Juliet, The Odyssey, short stories, poetry and individual novels of their choosing. They will also write paragraphs, essays, and a research paper.

English 10

Course Number: 1559/1560

Grade Level: 10

Prerequisite: None

Course Info: Year Long (Required)

Students will read Of Mice and Men, You Can't Take It With You, To Kill A Mockingbird, various short stories, and three novels of their choosing. They will also complete various writing assignments, including book reports and a research paper. Students will learn the elements of public speaking, effective speech research, writing and delivery, and have exposure to famous speeches, both historical and modern. Students will present various types of speeches quarterly.

English 11

Course Number: 1590/1591

Grade Level: 11

Prerequisite: None

Course Info: Year Long (Required)

This course covers literature thematically through the lenses of: war/peace, perseverance, identity and justice. A focus will be on the narrative and analytic writing, vocabulary, and story structure.

Lit 100 Human Diversity (CIS)

Course Number: 1513/2513

Grade Level: 11

Prerequisite: Juniors must have a 3.25 GPA and/or test scores may also be used

Course Info: Year Long

3 College Credits through Southwest MN State University

Students will read a variety of literary genres in the novel format. The focus will include: character development and analysis, vocabulary, poetry, and discussion of material read. This course prepares students for deeper, more critical thinking toward literature. This class will have flexible scheduling.

Senior English

Course Number: 1079/2109

Grade Level: 12

Prerequisite: None

Course Info: Year Long (Required)

Through the study of novels, poetry, and plays, this class will examine English Literature and World Literature, reading fiction and nonfiction. Students will also enhance their research and writing skills by completing multiple essays, including their senior paper.

Academic Writing 151 (CIS)

Course Number: 1501/1502

Grade Level: 12

Prerequisite: Seniors must have a 3.0 GPA and/or test scores may also be used

Course Info: Year Long

4 College Credits through Southwest MN State University

Students will write a variety of papers from reflective/personal writing to argument writing. A focus will be on developing voice, audience, organization, and editing. Students will raise their writing abilities to the college level by year end. This class will have flexible scheduling.

College Speech

Course Number: 1552/1553

Grade Level: 11-12

Prerequisite: Juniors must have a 3.25 GPA; Seniors must have a 3.0 GPA

Course Info: 1st & 2nd

3 College Credits through Southwest MN State University

This course is taught in conjunction with Southwest MN State University. Students will be exposed to rhetoric and its uses in effective communication in addition to the dynamics of group communication. This class will have flexible scheduling.

Introduction to Theatre

Course Number: 2020

Grade Level: 10-12

Prerequisite: None

Course Info: 1st Semester

*Required class to operate equipment in the Performing Arts Center

**Meets Art Requirement

Students will study all aspects of technical theatre including scenery, props, lighting, sound, costumes, make-up, and directing. Students will be trained on all technical equipment in the Performing Arts Center and receive an operating certification. The course's final project will require a director's handbook prepared by each student.

Students will study the evolvement of the theatre through the reading of numerous plays beginning with Greek and Roman works and concluding with examples from the 21st century. Students will also engage in numerous acting exercises focusing on comedy, tragedy, and improvisation. The course's final project will require each student to write an original one-act play to be performed by classmates.

FACS (FAMILY AND CONSUMER SCIENCES)

FACS For Life

Course Number: 1109/2084

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester

The student will learn essential life skills that will help improve their quality of life and plan for the future. Topics such as job skills, financial management, child development, relationships, communication, conflict management, mental health, and self-concept will be covered. Other FACS topics will be discussed with remaining time.

Child Development and Parenting

Course Number: 2055

Grade Level: 10-12

Prerequisite: None

Course Info: 2nd Semester

Child development will be explored from conception through preschool age. This will include physical, social, emotional, mental, and intellectual development. As a part of the exploration, students will take care of simulation babies. Throughout the semester students will discuss the dynamics of a healthy family as well as effective parenting, for both fathers and mothers. This would also be a good experience to those looking for work in education or with children for a career.

Culinary Arts I

Course Number: 1080/2080

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester

This course is designed to introduce the five major food groups: fruits, vegetables, protein, grains, and dairy. Students will develop skills through the practice of safe and sanitary food preparation and the use of various kitchen tools and appliances. Nutrition and meal planning will also be discussed throughout the semester. Basic math, science, and health concepts will be employed as the class covers the preparation of healthy food choices.

Culinary Arts II

Course Number: 1558

Grade Level: 10-12

Prerequisite: Culinary Arts I

Course Info: 2nd Semester

This course is designed to build on content and skills learned in Culinary Arts I. Students will continue developing skills through the practice of safe and sanitary food preparation and the use of various kitchen tools and appliances. Nutrition and meal planning will also be discussed throughout the course of the semester. Basic math, science, and health concepts will be employed as the class covers the preparation of healthy food choices. Students will play a large role in deciding the course topics and labs.

Housing and Interior Design

Course Number: 1055

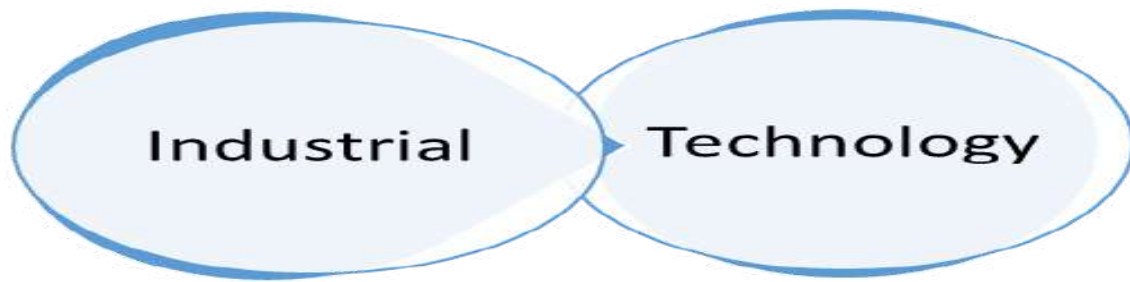
Grade Level: 10-12

Prerequisite: None

Course Info: 1st Semester

****Meets Art requirement**

Housing and Interior Design will introduce the history of home design and how homes meet human needs. This class will help students develop the knowledge and understanding of renting and home buying and selling. In addition, students will learn about construction basics, including home building and the characteristics of various construction materials. In the interior design portion of the class, students will demonstrate the ability to analyze and interpret the elements and principles of design and the role of color. Students will design and critique floor plans and demonstrate the basics of furniture arrangement. The whole semester will lead up to a project where students will implement skills learned by creatively planning, designing, and decorating various living spaces.



Industrial Technology

Course Number: 2085

Grade Level: 9-10

Prerequisite: None

Course Info: 2nd Semester

Introduction to Industrial Technology courses provide students with the opportunity to focus on one or more areas of industrial technology, applying technological processes to solve real problems and developing the knowledge and skills to design, modify, use, and apply technology appropriately. Students may examine case studies, explore simulations, or design and build prototypes and working models.

Basic Woodworking

Course Number: 1060A/2060B

Grade Level: 10-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester or Year Long

Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design all projects using computer aided drafting software, prepare a bill of materials and construct one or more projects. Correct and safe use of tools and equipment is emphasized.

Advanced Woodworking

Course Number: 1570A/1571B

Grade Level: 11-12

Prerequisite: Basic Woodworking

Course Info: 1st Semester or 2nd Semester or Year Long

Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design all projects using computer aided drafting software, prepare a bill of materials and construct one or more projects. Correct and safe use of tools and equipment is emphasized.

Engineering Essentials

Course Number: 1143A

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester Only

Engineering Essential courses provide students opportunities to explore engineering career opportunities and experiences as they solve engaging and challenging real-world problems. Students apply technological processes to solve real engineering problems; develop the knowledge and skills to design, modify, use, and apply technology; and design and build prototypes and working models. Topics covered in the course include the use of technology, and engineering design processes.

Engineering Design & Development

Course Number: 1142A/2018B

Grade Level: 10-12

Prerequisite: Engineering Essentials

Course Info: Year Long

Engineering Design and Development course provide students with the opportunity to apply engineering research principles as they design and construct a solution to an engineering problem. Students typically develop and test solutions using computer simulations or models but eventually create a working prototype as part of the design solution. The course may use student-driven, long-term projects to reinforce the design process, creative problem solving, data collection, time management, and development through real-life projects.

Live Streaming Broadcasting Technology

Course Number: 3001A/3001B

Grade Level: 9-12

Prerequisite: None

Course Info: Year Long

Live Streaming Broadcasting Technology courses provide students with the knowledge and skills to produce live streamed school and podcast programs. These courses prepare students to produce live events - including sports and other school related events and their very own podcast show. Students work behind and in front of the camera, in production and on-air roles. Students may also study the history of live broadcasting and analyze industry trends.

Math



Algebra I

Course Number: 1091/2091

Grade Level: 9-12

Prerequisite: None

Course Info: Year Long (Required)

Topics covered in this course include order of operations, solving equations, proportions, absolute value, inequalities, slope intercept forms, scatter plots, systems of equations, systems of inequalities, quadratic equations, quadratic formula, exponential functions, scientific notation, and polynomials.

Geometry

Course Number: 1120/2120

Grade Level: 9-12

Prerequisite: Students must meet two of the following three requirements to take Geometry in 9th Grade:

1. Students must receive a minimum score on their STAR Test.
2. Students must meet or exceed standards on their MCA Math test.
3. Students must earn a grade of a B or higher in 8th Grade Algebra.

Course Info: Year Long (Required)

In this course, we will investigate geometric concepts and how they relate to the world around us. Some of the topics covered are: parallel and perpendicular lines, reasoning and proof, polygons, transformations, right triangles and trigonometry, and surface area and volume of three-dimensional objects.

Algebra II

Course Number: 1030/2030

Grade Level: 10-12

Prerequisite: Geometry

Course Info: Year Long (Required)

Topics covered include solving equations, linear functions, system of equations and inequalities, quadratic functions, polynomial functions, inverse and radical functions, exponential and logarithmic functions, and sequences and series.

Students are encouraged to have a graphing calculator.

Advanced Math/Advanced Placement (AP) Precalculus

Course Number: 1119/2119

Grade Level: 11-12

Prerequisite: Algebra II

Course Info: Year Long

Topics covered include characteristics of functions, polynomial functions, rational functions, exponential functions, logarithmic functions, trigonometric functions, conic sections, and sequences and series. The material covered is the same as in previous years, but this year students will have access to more resources and have the option to take the Advanced Placement test for college credit.

STUDENTS SHOULD HAVE THEIR OWN GRAPHING CALCULATOR FOR THIS CLASS.

Consumer Math

Course Number: 1118/2118

Grade Level: 12

Prerequisite: Algebra II

Course Info: Semester 1 or Semester 2

This class will develop the quantitative skills needed to be successful in school and the workplace, using real data, problems based on everyday situations, and activities built around topics that are recognizable and relevant. Topics include consumer mark-up & discounts, taxes, budgeting, inflation, depreciation, social security, payroll taxes, mortgages, and retirement plans.

College Algebra/Trig & Special Functions

Course Number: 1101/2101

Grade Level: 11-12

Prerequisite: Juniors must have a 3.25 GPA; Seniors must have a 3.0 GPA

Course Info: 1st & 2nd Semester, 6 Credits, 3 credits per semester earned through Southwest MN State University

Content is similar to the Advanced Math course. The pace is more rigorous; it is a college level book, and more application/word problems. Semester finals are administered. STUDENTS SHOULD HAVE THEIR OWN GRAPHING CALCULATOR FOR THIS CLASS. This class will have flexible scheduling.

Advanced Placement Calculus (AP) Course Number: 1024/2024

Grade Level: 12

Prerequisite: Advanced Math/AP Precalc or College Algebra/Trig.

University of Minnesota - 4 College Credits

Course Info: Year Long

Investigate rates of change and accumulation of value by looking at slopes and areas of graphs. This class includes many real-world examples and real-life applications. A must if Calculus is required for your college major. This class will have flexible scheduling. Students have the option to take the Advanced Placement test for college credit.

STUDENTS SHOULD HAVE THEIR OWN GRAPHING CALCULATOR FOR THIS CLASS.

A decorative horizontal graphic featuring a musical staff with a treble clef, a key signature of one sharp (F#), and various musical notes and rests. The staff is slightly curved and has a soft shadow beneath it.

Concert Choir

Course Number: 1073/2073

Grade Level: 9-12

Prerequisite: None

Course Info: Year Long

Concert Choir is available to anyone grades 9-12 who likes to sing and enjoys working together with others in a large group. Throughout the year we will develop skills in the areas of listening, reading music, performing, and collaborating. We will work on a variety of music that challenges us to learn and helps us to think about new ideas and emotions. Students are expected to attend two lessons per quarter to work on individual singing skills, and there are several concerts through the school year. In addition, there will be optional opportunities to participate in MSHSL Solo/Ensemble Contest in a small group or as a soloist.

Goals for our time together in Concert Choir include:

1. Learn and discover how to be self-directed, lifelong music learners
2. Grow in our music reading skills
3. Work toward performances that we are proud to share
4. Develop lasting music rehearsal skills that create high quality music. We will work on things like:
 - Establishing and reinforcing correct singing/musical techniques and skills.
 - Recognizing, understanding, and applying structural elements of melody, harmony, rhythm, and form from both the standpoint of performer and listener.
 - Improving the use of expressive elements such as dynamics, phrasing, and tempo.
 - Developing a sense of fulfillment, responsibility, and pride in quality performance.
 - Expanding interest and knowledge of repertoire, performances, and artistic achievement from a variety of countries, societies, and cultures.
 - Cultivating a sense of identity, pride, group spirit and improved self-image through participation in a successful performing ensemble.

Concert Band

Course Number: 1072/2072

Grade Level: 9-12

Prerequisite: None

Course Info: Year Long

Concert Band is available to musicians in grades 9-12 that have previously played an instrument. We meet as an ensemble daily and individually for 2 lessons a quarter. As an ensemble, we will develop our skills in playing, listening, and analyzing music throughout the year. You will have opportunities to learn a variety of new music and ideas, and gain a better understanding as to how music influences our lives. As a performance art, you will have opportunities to perform for audiences large and small in different capacities throughout the school year. Performances include four evening concerts, the large ensemble contest in the spring, and numerous pep band games. Solo/Ensemble Contest, which is usually at the end of February, is optional.

Jazz Band

Course Number: 1178/2178

Grade Level: 9-12

Prerequisite: Concert Band

Course Info: Year Long (Meets Wednesday & Friday from 7:35 am – 8:05 am) (Usually starts the 3rd week of school)

The jazz ensemble is a group of musicians in grades 9-12. Saxophones, trumpets, trombones and rhythm (guitar, piano, bass, drum set) instrumentation preferred, but all are welcome to join. Jazz band meets Wednesday and Friday mornings, starting at 7:35am. You will perform at four concerts throughout the year, as well as in jazz festivals throughout the area. As a member of the jazz ensemble, you will learn to train your “inner ear” through improvisation and music transcription. You will also have opportunities to study some basic music theory. Pass/Fail.



Physical Education & Health

Physical Education 9

Course Number: 1112 or 2112

Grade Level: 9

Prerequisite: None

Course Info: 1st Semester or 2nd Semester (Required)

Students will participate in team and individual sports as well as physical fitness activities.

Physical Education 10

Course Number: 1076 or 2076

Grade Level: 10

Prerequisite: None

Course Info: 1st Semester or 2nd Semester (Required)

Students will participate in team and individual sports as well as physical fitness activities.

Advanced Conditioning

Course Number: 1078 or 2078

Grade Level: 11-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester or Year Long

The students will follow our ETS speed and conditioning program. There is a wide variety of lifts, drills and fitness components to the program to enhance their strength.

Family Life - Health

Course Number: 1194

Grade Level: 9

Prerequisite: None

Course Info: One Quarter (Required)

This class will cover endocrine and reproductive systems, adolescence, the life cycle, contraception's, STD's, HIV/AIDS, diseases, melanoma, mental health, violence and abuse, eating disorders, sexual orientation (identify), dating.

Wellness - Health

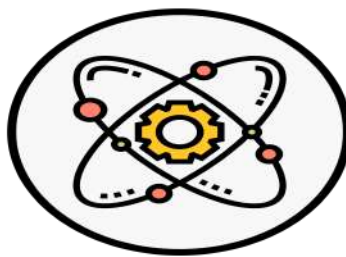
Course Number: 1193

Grade Level: 9

Prerequisite: None

Course Info: One Quarter (Required)

This class covers these body systems: skeletal, muscular, nervous, cardiovascular, respiratory and lymphatic systems. Proper care and disease prevention of these systems is covered. The class also covers the topics of alcohol, tobacco, medicines and drugs, nutrition, melanoma and mental health, wellness, blood pressure, and target heart rates. The alcohol content is covered in class and in a web-based program, called Alcohol.Edu. It is designed for freshmen health classes throughout the country.



SCIENCE

Science 9

Course Number: 1083/2083

Grade Level: 9

Prerequisite: None

Course Info: Year Long (Required)

This is a lab based course that will focus on Earth and space science. The main areas of focus include geology, hydrology, meteorology, and astronomy. This course will also investigate the human impact on all of these areas.

Biology

Course Number: 1025/2025

Grade Level: 10

Prerequisite: Science 9

Course Info: Year Long (Required)

This course focuses on human biology, environment, plants, and other living matter. In this course there will be labs and technology incorporated daily. Students will learn by actively participating. Topics to be discussed include: cells, genetics, ecology, biochemistry, plants, microbiology, and human body systems.

Chemistry

Course Number: 1028/2028

Grade Level: 11-12

Prerequisite: Science 9

Course Info: Year Long

Students will be introduced to atoms, elements, bonding, reactions, stoichiometry, gasses, acids and bases, energy, and other topics. Students will perform laboratory activities in addition to worksheets, practice problems, tests and quizzes.

Environmental Chemistry

Course Number: 1521/1522

Grade Level: 10-12

Prerequisite: None

Course Info: Year Long

This course covers the three main components of our environment; water, air, and the land. Their importance to life, how they are used, and the effects of their usage on quantity and quality. Students will also examine energy, its sources and uses, and effects of the environment.

Physics

Course Number: 1029/2029

Grade Level: 11-12

Prerequisite: Algebra II & 9th Grade Science

Course Info: Year Long

Students will learn about linear and two-dimensional motion, Newton's Laws/forces, momentum, energy, work, power, wave motion, light/optics, electricity and magnetism, and relativity, among other topics. Students will construct projects and perform laboratory activities in addition to worksheets, practice problems, tests and quizzes. Emphasis on physics concepts. Inquiry focused learning through projects and labs.

College Physics

Course Number: 1503/1504

Grade Level: 11-12

Prerequisite: 9th grade Science and Biology, Juniors must have a 3.0 GPA. Seniors must have a 2.5 GPA, C or better in Geometry and Algebra II and/or test scores may be used

Course Info: Year Long, 4 Credits earned through The University of MN

Students will learn about linear and projectile motion, vectors, rotational motion, forces, energy, and work/power. Students will perform laboratory activities, coursework, and will take tests as written by U of M Physics/CIS Physics department. This is a writing-intensive course, in which students will have to write four formal lab reports throughout the year. This class will have flexible scheduling.

Mechanical Physics

Course Number: 1531/1532

Grade Level: 11-12

Prerequisite: None

Course Info: 1st Semester or Year Long

This course will combine concepts of engines, electricity, carpentry, and general agriculture mechanics to fulfill state standards of physics. Principles of engine operation, along with overhaul and operation of a V-Twin engine. Precision measuring and testing, ignition, compression, carburation, electrical, and exhaust systems overview. Careers in the engine industry, and preventative maintenance of outdoor power equipment. Topics include electrical theory, Ohm's law, electrical safety, electrical wiring and electrical sensing devices. Electrical wiring and circuit completion in the mock house set-up, and careers in the electrical trades. **(Meets Physics Requirement)**

Human Physiology, Medical Devices and Technology (CIS)

Course Number: 1026/2026

Grade Level: 11-12

Prerequisite: Biology, Chemistry, Juniors must have a 3.0 GPA. Seniors must have a 2.5 GPA

Course Info: Year Long, 4 credits earned through the University of MN

In this course you will be expected to be an active learner who learns by inquiry. We begin studying macromolecules and cells. We then proceed to studying each of the human body systems. Physiology students will also be studying case studies and practical applications of medicine. There will be dissections and labs. This class will have flexible scheduling.

College Biology

Course Number: 1027A/2027B

Grade Level: 12

Prerequisite: Chemistry and Human Physiology are Highly Recommended

 Juniors must have a 3.3 GPA or an ACT score of 24 or higher

 Seniors must have a 3.0 GPA or an ACT score of 21 or higher

Course Info: Year Long, Minnesota State University Mankato - 4 College Credits

Study of biological processes at the suborganism level including cell chemistry, metabolism, reproduction, genetics, and complex tissue physiology. Laboratory and discussion sessions stress problem solving and experimental design.

Emergency Medical Technician

Course Number: 1580/1581

Grade Level: 12 – Must be 18 to take the certification test.

Course Info: Year Long

The Emergency Medical Technician course prepares the EMT student to provide prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMT's, anatomy and physiology, medical emergencies, trauma, special considerations for working the prehospital setting, and providing patient transportation. Students will be a Nationally Registered EMT upon passing the National Registry Exam and Skills Exam. This class will have flexible scheduling.

Certified Nursing Assistant (CNA)

Course Number: 1582A

Grade Level: 11-12

Course Info: 1st Semester

This course helps students learn the roles and responsibilities of the nursing assistant working in long term care. Information about resident's and client's rights, pertinent laws and ethical issues will be introduced. Concepts of basic human needs, basic nursing and personal care skills, mental health and social needs, and restorative services will also be addressed throughout the course. The skills are performed in a supervised laboratory and long-term care setting. Successful completion of this course requires comprehension of written material.

Anatomy and Medical Terminology

Course Number: 1026B

Grade Level: 11-12

Course Info: 2nd Semester

The anatomy portion of the class will investigate human body orientation, skin and body membranes, tissues, skeletal system, muscular system, nervous system, endocrine system, circulatory system, respiratory system, special senses, digestive system, blood, urinary system, and reproductive system.

The Medical Terminology portion of the class gives students in-depth instruction in recognizing and forming medical terms. Students will learn medical root words, prefixes, and suffixes and apply them to the body system.

Social Studies



World Geography

Course Number: 1051/2051

Grade Level: 9

Prerequisite: None

Course Info: Year Long (Required)

World Geography covers a comprehensive study of the world's countries and cultures. Countries within all continents will be studied.

US History

Course Number: 1016/2016

Grade Level: 10

Prerequisite: None

Course Info: Year Long (Required)

US History covers the history of our great nation from the pre-colonial period to present-day. The great characters and themes of US History will be covered in this class.

Economics

Course Number: 1031

Grade Level: 11

Prerequisite: None

Course Info: 2nd Semester (Required)

This course is the study of economic principles including supply, demand, capitalism, business, and government financing.

American Government

Course Number: 2031

Grade Level: 11

Prerequisite: None

Course Info: 1st Semester (Required)

This course is the study of the Constitution, its history, basic principles, and the three branches of government.

World History I (Prehistory to 1500 AD)

Course Number: 1017, Online Course Number 1517

Grade Level: 12

Prerequisite: None

Course Info: 1st Semester (Required to take 1st or 2nd Semester)

World History covers the history of mankind from the prehistoric period through antiquity and up to the Renaissance. The great characters and themes of World History will be covered in this class.

World History II (1500 AD to Present)

Course Number: 2017 – Online Course Number 2517

Grade Level: 12

Prerequisite: None

Course Info: 2nd Semester (Required to take 1st or 2nd Semester)

World History covers the history of mankind from the Age of Exploration, to the development of modern nations, world wars and the present. The great characters and themes of World History will be covered in this class.

World War II and the Holocaust

Course Number: 1110 or 2110

Grade Level: 11-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester

World War II and the Holocaust explores the roots of anti-Semitism, the results of World War I, the rise of dictatorship and the course of World War II. The after-effects of the Holocaust and World War II will also be explored.

Psychology

Course Number: 1026A

Grade Level: 11-12

Course Info: 1st Semester

This is an introductory course. The history of Psychology, methods used, and careers in Psychology are some of the areas that will be covered. There will be special emphasis on the brain and its functions.

College Psychology

Course Number: 1021A/2021B

Grade Level: 11-12

Prerequisite: Juniors must have a 3.25 GPA; Seniors must have a 3.0 GPA

Course Info: 1st Semester or 2nd Semester, 3 College Credits through SMSU

This course will explore human behavior. We will study personality, dreams, learning, sensation and perception, stress, motivation, anxiety, depression, social media, human development, social psychology, abnormal psychology and therapy. This introductory course will address individual and group behavior.

Human Development (CIS)

Course Number: 2034

Grade Level: 11-12

Prerequisite: Juniors must have a 3.3 GPA or an ACT score of 24 or higher.

Seniors must have a 3.0 GPA or an ACT score of 21 or higher.

Course Info: 2nd Semester, 3 College Credits through Minnesota State University - Mankato

This course will focus on human development from conception to death. We will explore the different stages humans go through during their life. Understanding why children think the way they do as well as why older adults behave the way they do.

WORLD LANGUAGES



Spanish I

Course Number: 1013/2013

Grade Level: 9-12

Prerequisite: None

Course Info: Year Long

This course introduces a student to the skills of speaking, listening, reading, and writing Spanish in the present and past time frames. Aspects of the Hispanic culture will be introduced.

Spanish II

Course Number: 1014/2014

Grade Level: 10-12

Prerequisite: C average in Spanish I

Course Info: Year Long

Students will further develop their Spanish listening, speaking, reading, and writing skills, especially in the past time frame. We will talk about everyday life in Spanish-speaking countries.

Spanish III

Course Number: 1015/2015

Grade Level: 11-12

Prerequisite: C average in Spanish II

Course Info: Year Long

Students will continue developing their Spanish listening, speaking, reading and writing skills in all time frames with special attention to communicating about hypothetical actions and situations, culture, history, and everyday life in Spanish-speaking countries.

Spanish IV

Course Number: 1146-2146

Grade Level: 12

Prerequisite: Seniors must have a 3.0 GPA and/or test scores may be used

Course Info: Year Long, this course is a 4 credit college course through SMSU.

In the fourth year of Spanish you will continue to expand on your knowledge of the Spanish language, Spanish-language literature, culture of the Spanish-speaking world, and the history of the Spanish-speaking world. You will do so while developing the four skills of language: reading, writing, listening, and speaking.

OTHER PROGRAMS

Kandiyohi Creating Entrepreneurial Opportunity (CEO)

Course Number: 1555/1556

Grade Level: 11-12

Prerequisite: Application

Course Info: Year Long/ This class meets during early bird and 1st hour class.

KCEO class partners with local businesses to create a real world educational experience. Eighteen to twenty students will be selected through a rigorous application process to participate in the year-long class. Instead of students learning about entrepreneurship in a classroom setting, students will visit over forty local businesses throughout the year and have fifty to sixty guest speakers. Students will also not take tests or do homework in the traditional sense. They will be creating their own business and presenting them to local banking investors and entrepreneurs via private meetings and an annual trade show. Students will graduate from this class owning a business. The Kandiyohi CEO program will be open to students from ACGC, NLS, & WPS. This class runs ninety minutes, off campus, from 7:15-8:45 am Monday-Friday. Click [HERE](#) for more information about the program. The application is digital this year - fill it out [HERE](#). This course meets requirements of one Economics credit.

Youth Service*

Course Number: 1173 or 2173

Grade Level: 11-12

Prerequisite: Consistent Attendance or Teacher Recommendation

Course Info: 1st Semester or 2nd Semester or Year Long

Students will engage in community services. Examples of Youth Service Placement include: Meals on Wheels, Daycare Center, Nursing Home, or Tech Aide. Students must write weekly journals and an end of the semester essay.

Peer Tutor *

Course Number: 1873 or 2873

Grade Level: 11-12

Prerequisite: Consistent Attendance or Teacher Recommendation

Course Info: 1st Semester or 2nd Semester or Year Long

Peer Tutors are typically placed at Prairie Woods or the Middle School to provide academic help to younger students. Students must write weekly journals and an end of the semester essay.

* Students cannot take Peer Tutor and Youth Service the same semester.

Study Hall

Course Number: 1900 or 2900

Grade Level: 9-12

Prerequisite: None

Course Info: 1st Semester or 2nd Semester or Year Long