

New London - Spicer HS Registration Guide 2024-2025



General Information for Students and Parents

This document is designed to give you an understanding of the high school graduation requirements and the various opportunities available for each student. If you have additional questions, please ask a teacher within that department or one of our counselors. Descriptions of each course, prerequisites, and other requirements are listed by department. Parental involvement in the registration process is encouraged and highly recommended.

Special Message to Students

It is very important for students to carefully plan their education program. Students should consider their interests, abilities, strengths and weaknesses when choosing classes. These considerations when planning helps students gain more out of their high school experience. Students will earn a letter grade and .50 credits 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 have priority in registration for classes, followed by juniors, sophomores, and then freshmen.

Schedule Changes

Students will not be allowed to change their schedule without principal or counselor approval. 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.

New London-Spicer High School Registration Guide

2024-2025

Graduation Requirements

Students are required to complete high school graduation requirements as adopted by the State of Minnesota and the New London-Spicer Board of Education.

Total Credits Required for High School Graduation: 24

Subject-Matter Credits Required for High School Graduation for the Class of 2025, 2026 & 2027:

- 1 credit of Art
- 4 credits of English
- 3 credits of Mathematics
- 1.5 credits of Physical Education/Health
- 3 credits of Science
- 3.5 credits Social Studies
- 8 credits of electives

Subject-Matter Credits Required for High School Graduation for the Class of 2028

- 1 credit of Art
- 4 credits of English
- 3 credits of Mathematics
- .5 credits of Personal Finance
- 1.5 credits of Physical Education/Health
- 3 credits of Science
- 3.5 credits Social Studies
- 7.5 credits of electives

Courses for Required Subject-Matter Credits

	Grades/Course/Credits
Art 1.0	Grades 9-12: 1.0 Credit Concert Choir (1.0) Concert Band (1.0) Desktop Publishing (0.5) Housing & Interior Design (0.5) Introduction to Art I or II (0.5) Studio Art I or II (0.5) Mosaics & Basic Woodworking (1.0) J-Dimensional Art I or II (0.5)
English 4.0 Credits	Grade 9: 1.0 Credit
Mathematics 3.0 Credits -encompassing Algebra I, Geometry, and Algebra 2	Grades 9-12 3.0 Credits Algebra I (1.0) or Geometry (1.0) Algebra I (1.0) or Algebra II (1.0) or Geometry (1.0) Algebra II (1.0) or Advanced Placement (AP) Precalculus (1.0) or College Algebra/Trig & Special Functions (1.0)
Personal Finance 0.5 Credits	For the Class of 2028, a Personal Finance course is required in grades 10-12.

Physical Education/Health 1.5 Credits	Grade 9: 1.0 Credit Physical Education 9 (0.5) Family Life-Health(0.25) Wellness- Health (0.25) Grade 10: 0.5 Credit Physical Education 10 (0.5)
Science 3.0 Credits	Grade 9: 1.0 Credit
Social Studies 3.5 Credits *Due to curriculum alignment, 9th & 10th grade students will take US History during the 2024-2025 school year.	*Grade 9: 1.0 Credit

Credits Required to Participate in Commencement

To be eligible to participate in commencement, a student must be on schedule to graduate on 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.

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
- 2 years and 3 credits= Sophomore
- 3 years and 10 credits= Junior
- 4 years and 17 credits= Senior

Listed below are the suggested credits to be taken for each grade. To stay on track for graduation 6.0 credits should be completed each year.

Grade 9	Grade 10
1.0 English 9	1.0 English 10
1.0 Geography ('25-'27)	1.0 US History ('25-'27)
1.0 US History (*28)	1.0 Geography ('28)
1.0 Mathematics	1.0 Mathematics
1.0 Science	1.0 Biology
.5 Physical Education	.5 Physical Education
.5 Health	1.5 Elective
1.0 Elective	

Grade 11	Grade 12
1.0 English 10	1.0 English
.5 Economics	.5 World History
.5 American Govt	4.5 Electives
1.0 Mathematics	
1.0 Science (Chem/Physics)	*.5 Personal Finance
2.0 Electives	(gr 10, 11 or 12 '28)

Concurrent Enrollment Classes

College in the Schools

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

NLS has partnerships with the University of MN-Twin Cities, Southwest Minnesota State University and Minnesota State University - Mankato. Please see the course offerings from each college below:

MN State University-Mankato

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

Southwest MN State University

Academic Writing- 4 credits College Algebra- 3 credits College Speech- 3 credits

Lit. 100 Human Diversity- 3 credits

Psychology- 3 credits

Trig. and Special Functions- 3 credits

University of MN Twin Cities

College Physics- 4 credits

College Human Physiology, Medical Devices and

Technology- 4 credits

Drop dates for the above college classes do not align with the high school calendar. Please see a counselor for more information.

Advanced Placement (AP)

Advanced Placement (AP) classes are college-level courses that span a wide breadth of subjects. These courses offer a challenge and rigorous environment offering students the opportunity to experience a college level course. AP courses allow students the opportunity to earn college credit (depending on their AP exam score and individual college criteria). Taking the AP exam is optional for students and there is a small fee associated with the exam. For more information on the AP program, please visit

https://apstudents.collegeboard.org/

AP Precalculus AP Calculus

Post-Secondary Enrollment Options Program (PSEO)

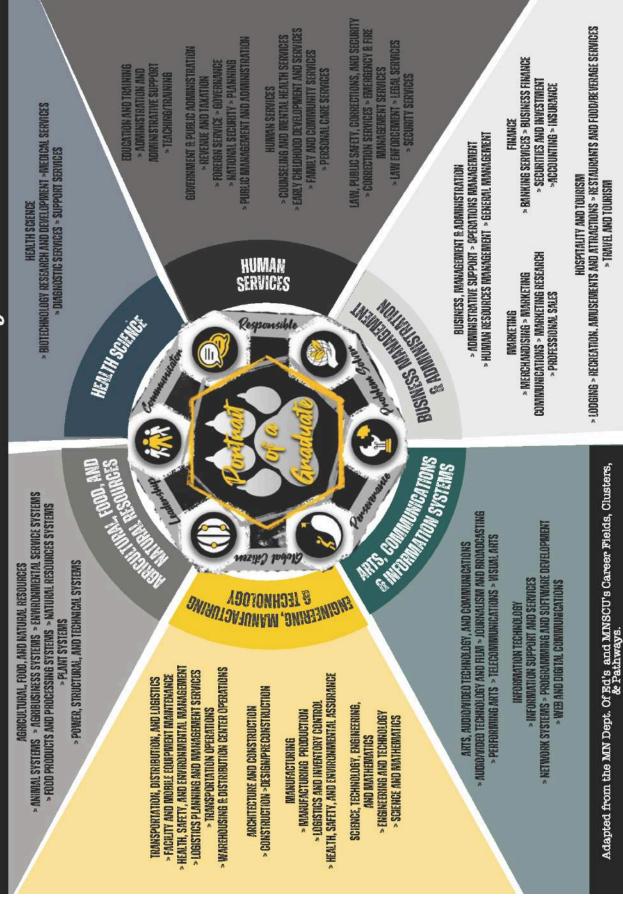
Post-Secondary Enrollment Options (PSEO) allows students in grades 11 and 12 to take college courses for high school credit either full-time or part-time at a community college, liberal arts college or university. Students in 10th grade may take one career and technical course if they meet PSEO eligibility requirements. Eligibility requirements are based on GPA and/or test scores.

A mandatory parent meeting with the student and a counselor is required to discuss the PSEO program. 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.

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. Students 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.

NLS Career Pathways



Agribusiness Education

Courses Offered

Advanced Metals
Ag Co-op
Agriculture Structures
Animal Science
Exploring Agribusiness
Landscaping
Leadership in FFA
Mechanical Physics
Plant and Horticulture Science
Welding I
Welding II

Advanced Metals

Course #: 1165/2067	Offered: S1, S2, or YL	
Grades: 11 and 12	Credits: 0.5	
Prerequisite: Welding I & II		

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.

Ag Co-op

Course #: 1071/2071	Offered: S1, S2, or YL
Grades: 11 & 12	Credit: 0.5
Proroquicito:	

Prerequisite:

- Enrolled in Ag Class
- Work 15+ hours each 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.

Agriculture Structures

Course #: 1075/2075	Offered: YL (2 hour block)
Grades: 12	Credit: 2.0

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.

Animal Science

Course #: 2166	Offered: S2
Grades: 10, 11, 12	Credits: 0.5

This course will cover introduction to animal science, including cell biology, musculoskeletal, circulatory, respiratory, renal, digestive, reproductive, and nervous systems of domestic animals. Other topics covered will be caring for domestic livestock and identification of major breeds of each species. We will cover the following topics: genetics, nutrition, disease classification, disease diagnosis, and prevention. Careers in the animal science industry will also be explored through various guest speakers and field trips. The class will take field trips to working livestock farms and animal science industries in our area.

Exploring Agribusiness

Course #: 1063/2063	Offered: S1, S2, or YL
Grades: 9, 10, 11, 12	Credit: 0.5

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, and Development/FFA.

Landscaping

Course #: 2066	Offered: S2
Grades: 10, 11, 12	Credit: 0.5

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.

Leadership in FFA

Course #: 1067/2179	Offered: S1, S2, or YL
Grades: 10, 11, 12	Credit: 0.5
Prerequisite: Must be an active member of the NLS FFA	

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 keep SAE records and 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 course.

Mechanical Physics

Course #: 1531/1532	Offered: S1, S2, or YL (YL recommended)
Grades: 11 & 12	Credit: 0.5

This course combines the concepts of engines, electricity, carpentry, and general agriculture mechanics 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.**

Plant and Horticulture Science

Course #: 1066	Offered: S1
Grades: 10, 11, 12	Credit: 0.5

This course will cover the science of plants. Students will study plant parts, their function, plant classification and propagation types and techniques. Students will also look at environmental factors on plant growth. Students will spend time producing plants in the greenhouse.

Welding I

Course #: 1068	Offered: S1
Grades: 10, 11, 12	Credit: 0.5

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#: 2068	Offered: S2
Grades: 10, 11, 12	Credit: 0.5
Prerequisite: Welding I	

This course covers 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.

Art

Courses Offered

Art and Design I & II
Independent Study in Visual Art
Introduction to Art I & II
Mosaics and Basic Woodworking
3-Dimensional Art I & II

Art and Design I & II

Course #: 1044/2044	Offered: S1, S2, or YL
Grades: 10, 11, 12	Credits: 0.5
Prerequisite: Intro to Art or 11th/12th grade	

This course is for students interested in improving their technical skills and developing a more in depth understanding of the visual arts.

Curriculum focuses on producing art in a variety of media including ceramics (clay), painting, drawing, sculpture, and printmaking. Visual design activities and art history lessons are also included.

Assignments are hands-on and studio time is provided to improve abilities at an individualized pace. Can be taken all year as Art and Design I and Art and Design II. All skill levels are welcome.

Independent Study in Visual Art

Course #: 1065/1045	Offered: YL
Grades: 12	Credits: 1.0
Prerequisite: 2+ art classes prior to senior year	

and/or permission from the instructor

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 learn to develop a cohesive art collection/portfolio. Must be taken all year.

Introduction to Art I & II

Course #: 1007/1043	Offered: S1, S2, or YL
Grades: 9, 10, 11, 12	Credits: 0.5

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, and tests.

Mosaics and Basic Woodworking

Course #: 1200/2200	Offered: YL
Grades: 10, 11, 12	Credits: 1.0
Prerequisite: None	

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. Must be taken all year.

3-Dimensional Art I & II

Course #: 1188/2188	Offered: S1, S2, or YL
Grades: 10, 11, 12	Credits: 0.5

Students explore art through the use of clay, plaster, and other 3-dimensional materials. Carving, sculpting, building, and modeling techniques will be taught so students are able to complete work that is both functional and non-functional. Instruction includes activities in the historical, multicultural, and artistic aspects of ceramic and sculptural design.

Business

Courses Offered

Accounting I
Computer Science
Desktop Publishing
Kandiyohi Creating Entrepreneurial Opportunity
(KCEO)
Personal Financial Management
Yearbook Production

Accounting I

Course #: 1039/2039	Offered: YL
Grades: 11, 12	Credits 1.0

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 #:1048/2045	Offered: S1 or S2
Grades: 9, 10, 11, 12	Credits 0.5

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 #: 1171/2171	Offered: S1 or S2
Grades: 9, 10, 11, 12	Credits 0.5

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. **Meets art requirement.**

Kandiyohi Creating Entrepreneurial Opportunity (KCEO)

Course #: 1555/1556	Offered: YL-Meets during early bird & 1st Hour
Grades: 11, 12	Credits 2.0
Prerequisite: Application	

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. Students will learn about entrepreneurship by visiting over 40 local businesses and have 50-60 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. The application is digital this year - fill it out HERE. Meets economics requirement.

Personal Financial Management

Course #: 1041/2041	Offered: S1 or S2
Grades: 10, 11, 12	Credits 0.5

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 and debit cards, buying and renting a house and insurance.

Yearbook Production

Course #: 1095/2095	Offered: YL
Grades: 10, 11, 12	Credits 1.0

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.

Community Involvement & Study Hall

Courses Offered

Flex
Healthcare Elective
Peer Tutor
Study Hall
Youth Service

FLEX

Course #: Flex 9: 4010 Flex 10: 4012 Flex 11: 4014 Flex 12: 4016	Offered: YL
Grades: 9, 10, 11, 12	Credits: 0.0

Flex period includes offering academic support, social and emotional learning, brain breaks, relationship building, and college/career readiness. Students receive targeted academic help, develop vital life skills, and enjoy regular mental breaks. It fosters a positive school culture through group activities while preparing students for future success. Flex period addresses diverse student needs, empowering them academically, emotionally, and in their future endeavors.

Health Care Elective

Course #: 3163	Offered: S1, S2, or YL
Grades: 11, 12	Credits: 0.5

If you are in 11th or 12th grade and are employed in the medical field or work at a child care center, you may be eligible for Healthcare Elective Credit. Please see one of the counselors to receive an application.

Peer Tutor

Course #: 1873/2873	Offered: S1, S2, or YL
Grades: 11, 12	Credits: 0.5

Prerequisite:

- Consistent attendance or teacher recommendation
- Cannot take Peer Tutor and Youth Services in the same semester

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.

Study Hall

Course # 1900/2900	Offered: S1, S2, or YL
Grades: 9, 10, 11, 12	Credits: 0.0

Study Hall is a designated period where students have the chance to complete homework, engage in independent study, and seek assistance from teachers if needed. The atmosphere is conducive to concentration, with minimal distractions, allowing students to make the most of their time and enhance their learning experience.

Youth Service

	ffered: S1, S2, or YL
Grades: 11, 12 Cr	redits: 0.5

Prerequisite:

- Consistent attendance or teacher recommendation
- Cannot take Peer Tutor and Youth Services in the same semester

Students will engage in community services.

Examples of Youth Service Placement include:

Meals on Wheels, daycare centers, nursing homes,
or tech aide. Students must write weekly journals
and an end of the semester essay.

English

Courses Offered

Academic Writing 151 (CIS) College Speech (COMM 110 (CIS) Essentials of Public Presentations)

English 9 English 10

English 11

Essentials of Public Presentation (Comm 110 CIS)

Lit 100 Human Diversity (CIS)

Senior English

Academic Writing 151 (CIS)

Course #: 1501/1502	Offered: YL
Grades: 12	Credits 1.0
Prerequisite: GPA 3.0+	

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 (COMM 110 (CIS) **Essentials of Public Presentations)**

	Course #: 1552/1553	Offered: S1 or S2
	Grades: 11, 12	Credits 0.5
Prerequisite: Juniors GPA 3.25+, Seniors GPA 3.0+		
3 College Credits through Southwest MN State		ugh Southwest MN State

This course is taught in conjunction with Southwest MN State University. Students will learn how to deliver effective oral presentations for various audiences and occasions. Students will practice ethical listening skills as preparation for engaged citizenship. Four speeches, peer critiques, textbook quizzes, and written support/documentation are included in the course grading.

This class will have flexible scheduling.

English 9

Course #: 1081/2081	Offered: YL
Grades: 9	Credits 1.0

Students will read Romeo and Juliet, The Odyssey, short stories, and various other works. They will also write paragraphs, essays, and a research paper.

English 10

Course #: 1559/1560	Offered: YL
Grades: 10	Credits 1.0

Students will read Of Mice and Men, You Can't Take It With You, To Kill A Mockingbird, various short stories, and two novels of their choosing. Students will complete grammar, reading, and writing assignments, including book reports and a research paper. Students will learn the elements of public speaking: conducting proper research, finding credible sources, writing a speech and delivery of a speech. Students will present various types of speeches quarterly.

English 11

Course #: 1590/1591	Offered: YL
Grades: 11	Credits 1.0

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 #: 1513/2513	Offered: YL	
Grades: 11	Credits 1.0	
Prerequisite: GPA 3.25+		
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 #: 1079/2109	Offered: YL
Grades: 12	Credits 1.0

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.

Family and Consumer Sciences (FACS)

Courses Offered

Child Development and Parenting Culinary Arts I Culinary Arts II FACS for Life (or Adulting 101) Housing and Interior Design

Child Development and Parenting

Course #: 2055	Offered: S2
Grades: 10, 11, 12	Credits: 0.5

This course is designed to introduce students to both concepts of the development of a child starting at conception and of good parenting through a variety of project-based learning and experiential learning opportunities. Throughout the class, students will learn more about themselves as they consider who they are currently and who they want to be as parents or adults in childcare-related careers. Through the semester, students will discuss the dynamics of a healthy family as well as effective parenting. They will be introduced to career and job opportunities through coursework and guest speakers/demonstrators. As a crucial part of solidifying students' learning of both child development and parenting, students will take care of simulation babies.

Culinary Arts I

Course #: 1080/2080	Offered: S1 or S2
Grades: 9, 10, 11, 12	Credits: 0.5

This course is designed to introduce students to the fundamentals of food preparation and ready them for life outside of high school. Students will develop skills through the practice of safe and sanitary food preparation and the use of various kitchen tools and appliances. They will be introduced to career and job opportunities through coursework and guest speakers/demonstrators. Nutrition and meal planning will be discussed throughout the course. Basic math, science, and health concepts will be employed as the class covers the preparation of healthy food choices through a variety of project-based learning and experiential learning opportunities.

Culinary Arts II

Course #: 1558	Offered: S2
Grades: 10, 11, 12	Credits: 0.5
Prerequisite: Culinary Arts I	

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 be discussed throughout the course. 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, and will gain further independence in the kitchen. Students will also build entrepreneurial skills through the development of a food business plan through a hands-on project. Cultures and cultural dishes will also be explored in class.

FACS For Life (Adulting 101)

Course #: 1109/2084	Offered: S1 or S2
Grades: 9, 10, 11, 12	Credits: 0.5

This class will prepare you for life outside of high school (ie. adulting!). Students will learn essential life skills that will help improve their quality of life and plan for the future. Topics such as job skills, budgeting, buying a car and a house, planning for the future (setting goals), mental health, and self-concept will be covered. Other FACS topics will be discussed with remaining time.

Housing and Interior Design

Course #: 1055	Offered: S1
Grades: 10, 11, 12	Credits: 0.5

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. The whole semester will lead up to a hands-on project where students will implement skills learned by creatively planning, designing, and decorating various living spaces. **Meets art requirement.**

Industrial Technology

Courses Offered

Advanced Woodworking Basic Woodworking

Engineering Essentials: Intro to Robotics

Engineering Design and Development: Robotics

Industrial Technology

Advanced Woodworking

Course #: 1570A/1571B	Offered: S1, S2, or YL	
Grades: 11, 12	Credits: 0.5	
Prerequisite: Basic Woodworking		

Advanced woodworking introduces 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.

Basic Woodworking

Course #: 1060A/2060B	Offered: S1, S2, or YL
Grades: 10, 11, 12	Credits: 0.5

Basic woodworking introduces 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 Design & Development: Robotics

Course #: 1142A/2018B	Offered: YL	
Grades: 10, 11, 12	Credits: 1.0	
Prerequisite: Engineering Essentials		

Engineering Design and Development provides 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. Eventually, they will 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.

Engineering Essentials: Intro to Robotics

Course #: 1143A	Offered: S1
Grades: 9, 10, 11, 12	Credits: 0.5

Engineering Essential provides 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.

Industrial Technology

Course #: 2085	Offered: S2
Grades: 9, 10, 11, 12	Credits: 0.5

Introduction to Industrial Technology provides 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.

Math

Courses Offered

Advanced Placement (AP) Precalculus
Advanced Placement (AP) Calculus
Algebra I
Algebra II
College Algebra (CIS)
Consumer Math
Geometry
Trig & Special Functions (CIS)

Advanced Placement (AP) Precalculus

Course #: 1022/2022	Offered: YL
Grades: 11, 12	Credits: 1.0
Prerequisite: Algebra II	

Topics covered include characteristics of functions, polynomial functions, rational functions, exponential functions, logarithmic functions, trigonometric functions, conic sections, and sequences and series. Students will have access to more resources and have the option to take the Advanced Placement test for college credit. Students are required to have a graphing calculator for this class.

Advanced Placement (AP) Calculus

Course #: 1024/2024	Offered: YL
Grades: 12	Credits: 1.0
Prerequisite: • AP Precalculus	

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. Recommended 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 are required to have a graphing calculator for this class.

Algebra I

Course #: 1091/2091	Offered: YL
Grades: 9, 10, 11, 12	Credits: 1.0

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.

Algebra II

Course #: 1030/2030	Offered: YL
Grades: 10, 11, 12	Credits: 1.0
Prerequisite: Geometry	

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.

College Algebra (CIS)

Course #: 1101	Offered: S1
Grades: 12	Credits: 0.5

Prerequisite:

• Seniors GPA 3.0+

3 college credits per semester earned through Southwest MN State University

Content is similar to the Precalculus course. The pace is more rigorous; it is a college level book, and more application/word problems. Semester finals are administered.

Students are required to have a graphing calculator for this class. This class will have flexible scheduling.

Consumer Math

Course #: 1118/2118	Offered: S1 or S2
Grades: 12	Credits: 0.5
Prerequisite: Algebra II	

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, and discounts, taxes, budgeting, inflation, depreciation, social security, payroll taxes, mortgages, and retirement plans.

Geometry

Course #: 1120/2120	Requirement: Required
Grades: 9, 10, 11, 12	Credits: 1.0

Prerequisite: 9th grade students must meet two of the three requirements to take this course:

- Received a minimum score on their STAR test
- Meet or exceed standards on the MCA Math test
- Received a B or higher in 8th grade algebra

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.

Trig & Special Functions (CIS)

Grades: 12 Credits: 0.5	Course #: 2101	Offered: S2
	Grades: 12	Credits: 0.5

Prerequisite:

Seniors GPA 3.0+

3 college credits per semester earned through Southwest MN State University

Content is similar to the Precalculus course. The pace is more rigorous; it is a college level book, and more application/word problems. Semester finals are administered.

Students are required to have a graphing calculator for this class. This class will have flexible scheduling.

Music

Courses Offered

Concert Band Concert Choir Jazz Band

Concert Band

Course # 1072/2072	Offered: YL
Grades: 9, 10, 11, 12	Credits: 1.0

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 two 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.

Concert Choir

Course # 1073/2073	Offered: YL
Grades: 9, 10, 11, 12	Credits: 1.0

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:

- Learn and discover how to be self-directed, lifelong music learners
- Grow in our music reading skills
- Work toward performances that we are proud to share
- Develop lasting music rehearsal skills that create high quality music.

We will work on:

- 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.

Jazz Band

Course # 1178/2178	Offered: YL
Grades: 9, 10, 11, 12	Credits: 0.25/semester

Prerequisite:

- Concert Band
- Meets Wednesdays & Fridays from 7:35am-8:05am

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. This course is graded as Pass/Fail.

Physical Education & Health

Course Descriptions

Advanced Conditioning Family Life- Health Lifetime Activities Physical Education 9 Physical Education 10 Wellness- Health

Advanced Conditioning

Course #: 1078/2078	Offered: S1, S2, or YL
Grades: 11, 12	Credits: 0.5

Students will follow our Team Builder speed and conditioning program. There is a wide variety of lifts, drills and fitness components to the program to enhance their strength, physical fitness, speed and flexibility.

Family Life- Health

Course #: 1194	Offered: Q1-4
Grades: 9	Credits: 0.25

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

Lifetime Activities

Course #: 1196	Offered: S1	
Grades: 11, 12	Credits: 0.5	
Prerequisite: Physical Education 9 & 10		

Students will incorporate and live a healthy and active lifestyle during the course of this class, and gain resources to replicate the knowledge learned in their years beyond high school to maintain a healthy lifestyle.

Activities may include dance, rockwall climbing, biking, an introduction to athletic injuries, and many other activities. This course is for students who love to learn and participate in various lifetime activities. The format will be a mixture of classroom discussions, personal goal setting, and hands-on activities.

Physical Education 9

Course #: 1112	Offered: S1 or S2
Grades: 9	Credits: 0.5

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

Physical Education 10

Course #: 1076	Offered: S1 or S2
Grades: 10	Credits: 0.5

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

Wellness-Health

Course #: 1193	Offered: Q1-4
Grades: 9	Credits: 0.25

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, mental health, wellness, blood pressure, and target heart rates. The alcohol curriculum covered in class is a web-based program called Alcohol.Edu. This program is designed for freshmen health classes throughout the country.

Science

Courses Offered

Anatomy and Medical Terminology
Biology
Certified Nursing Assistant (CNA)
Chemistry
College Biology
College Physics
Emergency Medical Technician
Environmental Chemistry
Human Physiology, Medical Devices, and
Technology (CIS)
Mechanical Physics
Physics
Science 9

Anatomy and Medical Terminology

Course #: 1026B	Offered: S2
Grades: 11, 12	Credits: 0.5

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.

Biology

Course #: 1025/2025	Offered: YL
Grades: 10	Credits: 1.0

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.

Certified Nursing Assistant (CNA)

Course #: 1582A	Offered: S1
Grades: 11, 12	Credits: 0.5

This course helps students learn the roles and responsibilities of a 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.

Chemistry

Course #: 1028/2028	Offered: YL
Grades: 11, 12	Credits: 1.0

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 guizzes.

College Biology (CIS)

Course #: 1027A/2027B	Offered: YL
Grades: 11, 12	Credits: 1.0

Prerequisite:

- Chemistry and Human Physiology are highly recommended.
- Juniors GPA 3.25+ or an ACT score of 24+
- Seniors GPA 3.0+ or an ACT score of 21+

4 College Credits earned through Minnesota State University Mankato

Study of biological processes at the sub organism level including cell chemistry, metabolism, reproduction, genetics, and complex tissue physiology. Laboratory and discussion sessions stress problem solving and experimental design. This class will have flexible scheduling.

College Physics (CIS)

Course #: 1503/1504	Offered: YL
Grades: 11, 12	Credits: 1.0

Prerequisite:

- 9th Grade Science & Biology
- Juniors GPA 3.0+
- Seniors GPA 2.5+
- B or better in Geometry and Algebra II

4 College 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.

Emergency Medical Technician

Course #: 1580/1581	Offered: YL
Grades: 12	Credits: 1.0
Prerequisite: None	
Must be 18 to take the certification test	

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 EMTs, 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.

Environmental Chemistry

Course #: 1521/1522	Offered: YL
Grades: 10, 11, 12	Credits: 1.0

This course covers the three main components of our environment: water, air, and 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.

Human Physiology, Medical Devices and Technology (CIS)

Course #: 1026/2026	Offered: YL
Grades: 11, 12	Credits: 1.0

Prerequisite:

- Biology & Chemistry
- Juniors GPA 3.0+
- Seniors GPA 2.5+

4 College 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.

Mechanical Physics

Course #: 1531/1532	Offered: S1, S2, or YL (YL recommended)
Grades: 11, 12	Credits: 0.5

This course combines the concepts of engines, electricity, carpentry, and general agriculture mechanics 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.**

Physics

Course #: 1029/2029	Offered: YL
Grades: 11, 12	Credits: 1.0
Prerequisite: Algebra II & 9th Grade Science	

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.

Science 9

Course #: 1083/2083	Offered: YL
Grades: 9	Credits: 1.0

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.

Social Studies

*Due to curriculum alignment, 9th & 10th grade students will take US History during the 2024-2025 school year.

Courses Offered

American Government
Economics
College Psychology (CIS)
Human Development (CIS)
Psychology
US History - 9th & 10th 2024-2025
World Geography - not offered 2024-2025
World History I (Prehistory to 1500 AD)
World History II (1500 AD to Present)
World War II and the Holocaust

American Government

Course #: 2031	Offered: S1
Grades: 11	Credits: 0.5

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

Economics

Course #: 1031	Offered: S2
Grades: 11	Credits: 0.5

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

College Psychology (CIS)

Course #: 1021A/2021B	Offered: S1 or S2
Grades: 11/12	Credits: 0.5

Prerequisite:

Juniors GPA 3.25Seniors GPA 3.0

3 college credits earned through Southwest Minnesota State University-Marshall

This semester 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 #: 2034	Offered: S2
Grades: 11/12	Credits: 0.5

Prerequisite:

Juniors GPA 3.3 or ACT score of 24+
 Seriors GPA 3.0 or ACT score of 21+

• Seniors GPA 3.0 or ACT score of 21+

3 College Credits earned through Minnesota State University - Mankato

This semester 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.

Psychology

Course #: 1026A	Offered: S1
Grades: 11, 12	Credits: 0.5

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.

US History

Course #: 9th: 1096/2096 10th: 1016/2016	Offered: YL
Grades: 9th & 10th 2024-2025	Credits: 1.0

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.

World Geography

Course #: 1051/2051	Not offered 2024-2025
Grades: 10 - 2025-2026	Credits: 1.0

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

World History I (Prehistory - 1500 AD)

Course #: 1017 Online 1517	Offered: S1
Grades: 12	Credits: 0.5

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 - Present)

Course #: 2017 Online 2517	Offered: S2	
Grades: 12	Credits: 0.5	

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 #: 1110/2110	Offered: S1 or S2
Grades: 11-12	Credits: 0.5

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.

World Language

Courses Offered

Spanish I Spanish II Spanish III Spanish IV

Spanish I

Course #: 1013/2013	Requirement: Elective	
Grades: 9, 10, 11, 12	Credits: 1.0	

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

Spanish II

Course #: 1014/2014	Requirement: Elective			
Grades: 10, 11, 12	Credits: 1.0			
Prerequisite: C average in Spanish I				

Students will further develop their Spanish listening, speaking, reading, and writing skills expanding into the past tense time frame. Most days we use music to start our learning.

Spanish III

Course #: 1015/2015	Requirement: Elective			
Grades: 11, 12	Credits: 1.0			
Prerequisite: C average in Spanish II				

Students will continue developing their Spanish listening, speaking, reading and writing skills in all time frames. Hispanic music and media will guide many aspects of this course. Opportunity to earn college credit will be offered to seniors in the spring of this course.

Spanish IV

Course #: 1146/2146	Requirement: Elective			
Grades: 12	Credits: 1.0			
Prerequisite: GPA 3.0+				

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. Opportunity to earn college credit will be offered to seniors in the spring of this course through a testing option.

Curriculum guide with course descriptions can be found at www.nls.k12.mn.us
Click on High School, then click on the Registration Guide Link

Students currently in Algebra I will be recommended for either Algebra 1 (1091/2091) or Geometry (1120/2120).

Students may choose from the following general electives:

One Semester Only

Intro to Art I

1143A	Engineering Ess	S1	.5 Credit	2085	Industrial Tech	S2	.5 Credit
1109	FACS For Life	S1	.5 Credit	2084	FACS for Life	S2	.5 Credit
1048	Computer Sci	S1	.5 Credit	2045	Computer Sci	S2	.5 Credit
1171	Desktop Pub.	S1	.5 Credit	2171	Desktop Pub.	S2	.5 Credit
1080	Culinary Arts I	S1	.5 Credit	2080	Culinary Arts I	S2	.5 Credit
Semest 1063 1900	t er or Year Long Agri-Business Study Hall	S1 S1	.5 Credit .5 Credit	2063 2900	Agri-Business Study Hall	S2 S2	.5 Credit .5 Credit

1043

Intro to Art II

S2

.5 Credit

Year Long

1007

1072 & 2072	YL	Concert Band	1 Credit
1073 & 2073	YL	Concert Choir	1 Credit
1013 & 2013	YL	Spanish 1	1 Credit

S1

.5 Credit

Semester 1 Semester 2

Course Number	Course Title		Course Number	Course Title
1081	English 9		2081	English 9
	Math			Math
1083	Science 9		2083	Science 9
1096	U.S. History I		2096	U.S. History II
1112 & 1193 & 119	4 Phy Ed / Family Life/ Wellness (R	egi	ster for all three of	these courses)
4010	FLEX - Year Long Course			
	Alternate Courses			Alternate Courses

Student Name Date Parent Signature Date

Curriculum guide with course descriptions can be found at www.nls.k12.mn.us
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Semester 1 Semester 2

Course Number	Course Title	Course Number	Course Title
1025	Biology I	2025	Biology II
1559	English 10	1560	English 10
	Math		Math
1016	U.S. History A	2016	U.S. History B
4012	FLEX - Year Long Course		
	Alternate Courses		Alternate Courses

^{*}Must sign up for Phy Ed Class 1076 (S1 or S2)

Student Name Date Parent Signature Date

Curriculum guide with course descriptions can be found at www.nls.k12.mn.us
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Semester 1 Semester 2

Course Number	Course Title	Course Number	Course Title
	English		English
2031	Government	1031	Economics
	Math		Math
	Science		Science
4014	FLEX - Year Long Course		
	Alternate Courses		Alternate Courses

Student Name Date Parent Signature Date

Curriculum guide with course descriptions can be found at www.nls.k12.mn.us
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Semester 1 Semester 2

Course Number	Course Title	Course Number	Course Title		
	English		English		
4016	FLEX - Year Long Course				
	Alternate Courses		Alternate Courses		

^{*}Must sign up for .5 Credits of World History either in S1 or S2

Student Name	Date	Parent Signature	Date