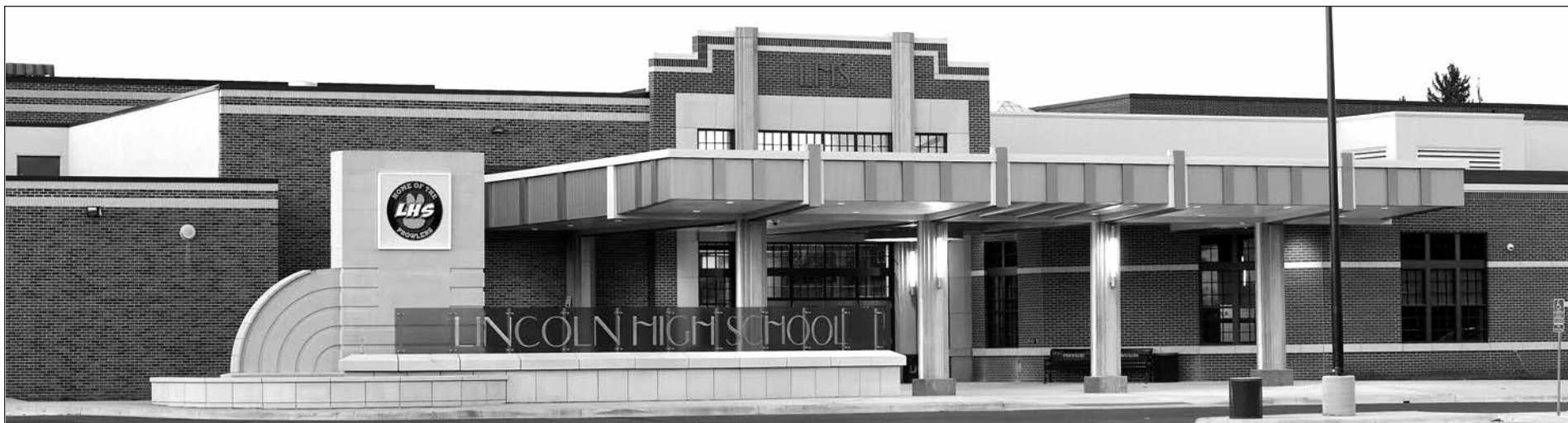


School District 564, Thief River Falls

LINCOLN HIGH SCHOOL



2015 ~ 2016 *Class Registration Guide*

Shelley Cervantes, Counselor • Bill Stock, Counselor • Lynette Haugen, Admin. Assistant

(218) 681-8672

REGISTRATION PROCEDURES

This registration guide is prepared for you so that you will have the opportunity to study the course offerings and plan your schedule for the next year. It should be remembered that it is not only college bound students who need special skills to ensure acceptance for future training. Students who choose technical training, or the world of work must also make sure that they have the necessary basic skills to meet the training requirements of their chosen field. The plan you make should be based on realistic thinking about your personal talents.

1. Study the guide well for course offerings, graduation requirements, graduation standards, and suggestions for post high school training. Graduation requirements are important and you should check them carefully.
2. Make course selections carefully, giving special attention to prerequisites. You should seek advice of parents, teachers and the school counselor.
3. Registration will be handled by the school counselors, Mrs. Cervantes and Mr. Stock. Times for pre-registration will be announced through the school bulletin, and morning announcements.

BASIC SKILLS TESTS

In order to graduate from high school, each student is required to demonstrate skills in reading, mathematics, and writing. These three tests must be passed only once and are administered in grades 9, 10 and 11.

GRADUATION REQUIREMENTS

Required Subjects

- 4.5 credits in Literature and Language
- 3 credits in Math
- 3 credits in Science
- 3.5 credits in Social Studies
- 2 credits in Physical Education and Health
- 1 credit in Art
- .5 credit in Technology
- .5 credit in Senior Focus
- .75 credit in LINC

Required Credits

- 18.75 credits of required subjects
- 11 credits of elective subjects
- 29.75 credits to earn a diploma

Credit Information

Credits are earned by receiving a final grade of A, B, C, or D in a subject.

Courses that meet a full block every day will receive:

- .5 credit per quarter
- 1 credit per half year
- 1.5 credits for three quarters
- 2 credits for full year

Courses that meet half a block per day will receive:

- .5 credit per semester (half year)
- 1 credit for two semesters (full year)

Students must complete both areas of education to graduate.

- Earn required number of credits in course work.
- Meet GRAD Testing requirements for State of Minnesota.



Composite List of Subjects



NO.	COURSE	CREDIT	GRADE	NO.	COURSE	CREDIT	GRADE
100	Exploring Agriculture.....	1/2	9-12	270	LHS Newsroom	1	11-12
112	Companion Animals I	1/2	9-12	271	Video Production.....	1/2	10-12
113	Companion Animals II	1/2	9-12	272	Senior Video.....	1/2	11-12
115	Floriculture.....	1/2	9-12	280	Adobe Photoshop	1/2	9-12
125	Wildlife Resources	1/2	9-12	281	Tech 101	1/2	9-12
127	Natural Resources	1/2	9-12				
128	Agriculture Business	1/2	9-12	300	Industrial Processes.....	1/2	9-12
135	Animal Science.....	1	10-12	301	Drafting I.....	1/2	9-12
140	Plant Science.....	1	10-12	305	Electronics I	1/2	9-12
				306	Electronics II.....	1/2	9-12
150	Exploring Art.....	1/2	9-12	308	Robotics.....	1/2	10-12
155	Printmaking.....	1/2	9-12	310	Metal Fabrication	1/2	9-12
165	Sculpture Madness	1/2	10-12	315	Small Engines I	1/2	9-12
168	Drawing I	1/2	9-12	316	Small Engines II.....	1/2	10-12
170	Drawing II.....	1/2	10-12	325	Machine Shop I	1/2	10-12
171	Paint Your World.....	1/2	10-12	326	Machine Shop II.....	1/2	10-12
172	Clay	1/2	10-12	330	Advanced Metals I	1/2	10-12
175	Advanced Art.....	1	11-12	340	Construction Tech I.....	1/2	9-12
				341	Construction Tech II.....	1/2	10-12
215	Financial Management.....	1	10-12				
216	Building Wealth	1	11-12	360	Health Careers I.....	1	10-12
220	Personal Law	1/2	10-12	361	Health Careers II.....	2	11-12
225	Web Design	1/2	10-12				
226	Advanced Web Design.....	1/2	11-12	370	Concert Band	1	9-10
240	Entrepreneurship	1/2	10-12	371	Wind Ensemble.....	2	11-12
245	Accounting.....	1	10-12	375	Bel Canto Choir	1	9-10
246	Advanced Accounting	1/2 or 1	11-12	376	Concert Choir.....	2	11-12
250	Sports Marketing	1	10-12	380	Orchestra.....	1	9-12
253	Prowler Tech Team.....	1/2	10-12	880	Music Theory I	1 1/2	10-12
				881	Music Theory II	1 1/2	11-12
255	LINC	1/4	9-11				
256	Work Seminar.....	1/2	11-12	420	Healthy Relationships	1/2	9-12
257	Work Experience.....	1 or 2	11-12	425	Life Skills.....	1/2	9-12
258	Internship.....	1/2 or 1	11-12	430	Child Development	1/2	9-12
259	DigiKey Experience.....	2	12	440	Foods I.....	1/2	9-12
259A	Senior Focus.....	1/2	12	441	Foods II	1/2	9-12
259B	Senior Project.....	1/2	12	442	ProStart® I.....	1	11-12
259D	Leadership & Lifetime Fitness....	1/2	11-12	443	ProStart® II	1	11-12
259E	Community Service.....	1/2	11-12	445	Quilting and Knitting Basics.....	1/2	9-12
				446	Fashion Design.....	1/2	9-12
262	Digi Tools.....	1/2	9-12				
263	Mobile Apps.....	1/2	9-12	476	German I	1	9-12
268	Video Game Design	1/2	9-12	477	German II.....	1	9-12
268A	Intermediate Video Game Design	1/2	9-12	478	German III	1	10-12
269	Advanced Video Game Design ...	1/2	10-12	479	German IV	1	10-12



Composite List of Subjects



NO.	COURSE	CREDIT	GRADE
485	Spanish I	1	9-12
486	Spanish II	1	9-12
487	Spanish III	1	10-12
488	Spanish IV	1	10-12
501	English 9	1	9
513	Foundations of Writing	1/2	9
503	English 10	1	10
506	Honors English 10	1	11
507	English 11	1	11
508	English 12	1	12
518	Reading 10	1/2	10
540	Public Speaking	1/2	10-12
545	AP English	1	11-12
550	Creative Writing	1/2	10-12
555	Film Study	1/2	10-12
560	Science Fiction	1/2	10-12
885	Theatre Arts	1/2	9-12
612	Intermediate Algebra	1	9-12
625	Geometry	1	9-12
634	Consumer Math Applications	1	11-12
635	Algebra 2	1	10-12
640	Functions, Statistics & Trigonometry	1	10-12
645	PreCalculus & Discrete Math	1	11-12
650	Calculus I	1	11-12
651	Calculus II	1	11-12
655	College Transition Mathematics	1	12
658	Math 10	1/2	10
670	Health	1/2	9
671	Physical Education 9	1/2	9
672	Advanced Health & Wellness	1/2	11-12
675	Competitive Sports & Fitness	1/2	10-12
680	TRFitness	1/2	10-12
690	Strength Training Level 1	1/2	10-12
691	Strength Training Level 2	1/2	10-12
700	General Physical Science	1	9-10

NO.	COURSE	CREDIT	GRADE
701	College Prep Physical Science	1	9
710	Astronomy	1/2	10-12
712	Geology	1/2	10-12
715	General Biology	1	9-12
716	College Prep Biology	1	9-12
725	General Chemistry	1	10-12
726	College Prep Chemistry	1	10-12
750	Human Anatomy and Physiology	1	11-12
756	Physics	1	11-12
779	English Learners EL (ESL)	2	9-12
780	Vision Resource	2	9-12
800	Civics	1	9
805	American History	1	10-11
806	AP American History	1 1/2	10-12
810	Community Action Program	1	10-12
815	AP Human Geography	1	11-12
816	World Geography	1/2	11-12
820	World History	1/2	11-12
824	Economics	1/2	11-12
840	U.S. Government	1/2	10-12
845	Psychology	1	11-12
NCTC VOCATIONAL			
902	Intro to Tech	2	11-12
910	Auto Body Repair	2	11-12
915	Auto Service Tech	2	11-12
930	Welding	2	11-12
NCTC/PSEO ACADEMICS/CIHS			
570	College Composition I	1	11-12
571	College Composition II	1	12
936	Western Civilization I	1	11-12
937	Western Civilization II	1	11-12
945	College Algebra	1	11-12
950	Anatomy and Physiology I	1	11-12
951	Anatomy and Physiology II	1	11-12





EDUCATIONAL PLANS AND CAREERS

How Do They Fit Together?

They should fit together. Your future career goals should impact what classes you take at Lincoln. The classes you take at Lincoln will impact what educational options you have after high school

What Are Your Educational Plans After High School

I WORK/APPRENTICESHIP
Meaningful work after high school without additional schooling is rare. Proper high school course selection and planning is critical if this is your choice.

II MILITARY
A high school diploma is required for entrance into all branches of the Armed Services.

III UP TO TWO YEARS OF EDUCATION

CAREER CLUSTERS	CAREER TITLE		RECOMMENDED LINCOLN HIGH SCHOOL COURSES	
A. AGRICULTURE/FOOD NATURAL RESOURCES	Animal Production Veterinary Tech Conservation Officer Golf Course Maintenance Ag Equip. Service	Horticulture Taxidermy Surveyor Floral Design Food Science	•Communications/Public Speaking •Economics •Chemistry •Computer Classes •Foods	•Physics •Biology •Advanced Math •Agriculture Classes •Global Science
B. ARTS, COMMUNICATION & INFORMATION SYSTEMS	Commercial Artist Sign Letter/Design Photo Processing Singer Model Fashion Design	Tech. Illustrator Media Production Drafting Audio Recording Printer Jeweler	•Chemistry •Communications/Public Speaking •Computer Classes •Drafting •Physics •Electronics	•Adobe Photoshop •World Language •Theater •Advanced Art •Quilting •Fashion Design
C. BUSINESS/MARKETING/ MANAGEMENT	Sales Manager Travel Planner Hotel/Restaurant Management Administrative Office Manager Supermarket Management Bank Teller Insurance Agent	Accountant Customer Service Real Estate Secretary	•Building Wealth •Personal Law •Communications/Public Speaking •Financial Management •Psychology •Economics •Tech 101 •Foods •Entrepreneurship	•Accounting •Advanced Math •Computer Classes •Intro to Business •World Language •Sports Marketing •Web Design •Adobe Photoshop •Agribusiness
D. HEALTH SCIENCE	Dental Assistant Lab Technician Optical Technician Physical Therapy Assistant Respiratory Therapy Assistant	Nurse X-Ray Technician Paramedic	•Biology •Chemistry •Physics •Advanced Math •Human Physiology/Anatomy	•Forensic Science •Health •Psychology •Health Careers •EMT
E. PUBLIC/HUMAN SERVICE	Law Enforcement Legal Assistant Cosmetology Teacher Aide	Day Care Cook Flight Attendant Fire Fighter	•Communications/Public Speaking •Health •Human Relationships •Psychology •Chemistry	•Personal Law •Child Development •Foods •CAP •Forensic Science
F. MANUFACTURING, ENGINEERING & TECHNOLOGY	Welder Carpenter Plumber Refrigerating/Heating Tech Electrician Diesel Mechanic	Machinist Nondestruct Tester Robotics Tech Aviation Mechanic UAS Operator Global Imagery	•Advanced Math •Computer Classes •Machine Shop •Electronics •Welding •Auto Body •Small Engines	•Chemistry •Physics •Advanced Metals •Drafting •Auto Service

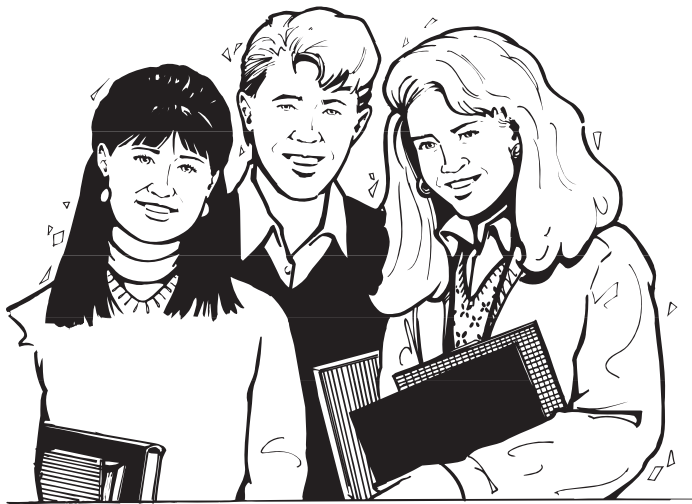


FOUR OR MORE YEARS OF EDUCATION

RECOMMENDED courses in high school if planning to attend a college are:

- Four credits in Communications.
- Four credits in Advanced Math; Algebra, Geometry, Advanced Algebra, and Trigonometry
- Four credits in Lab Science.
- Two credits in World Language. Prefer two credits in one language.
- Computer application skills.
- Public Speaking

CAREER CLUSTERS	LEADING TO A CAREER IN. . . .		EXAMPLES OF HIGH SCHOOL COURSES	
A. AGRICULTURE/FOOD NATURAL RESOURCES	Agriculture Wildlife/Natural Resources Veterinarian Forestry Food Processing	Environmentalist Zoo Director Biologist Park Ranger Inspector	<ul style="list-style-type: none"> •Advanced Math •Physics •Chemistry •Agriculture Classes •Foods 	<ul style="list-style-type: none"> •Accounting •Computer Classes •Biology •Global Science •Entrepreneurship
B. ARTS/COMMUNICATIONS & INFORMATION SYSTEMS	Journalism Industrial Illustration Photography Advertising Broadcaster Interpreter	Printing/Graphics Acting Music Public Relations Architect Writer	<ul style="list-style-type: none"> •Creative Writing •Visual Arts •Drafting •Chemistry •Physics •Adobe Photoshop •Communications/Public Speaking 	<ul style="list-style-type: none"> •ComputerClasses •Music •Psychology •Theater •World Language •Web Design •Quilting
C. BUSINESS MANAGEMENT MARKETING	Accounting Sales Computer Information Hospital Administrator Small Business Owner	Banking Hotel Management Underwriter Personnel Officer Investments	<ul style="list-style-type: none"> •Entrepreneurship •Accounting •Communications/Public Speaking •Web Design •Tech 101 •Psychology •Building Wealth 	<ul style="list-style-type: none"> •Computer Classes •Advanced Math •World Language •Sports Marketing •Economics •Adobe Photoshop
D. HEALTH SCIENCE	Medicine Nurse Pharmacy	Dentist Veterinarian Dietician	<ul style="list-style-type: none"> •Foods •Advanced Math •Physics •Human Physiology & Anatomy •Forensic Science 	<ul style="list-style-type: none"> •Chemistry •Biology •Health Careers •EMT •Psychology
E. PUBLIC SERVICE/ HUMAN SERVICE	Teaching/Education Government Criminal Justice Counselor Gerontology	Ministry Social Work Mortician Urban Planner Coach	<ul style="list-style-type: none"> •Advanced Math •Communications/Public Speaking •Human Physiology/Anatomy •Psychology •CAP •Forensic Science 	<ul style="list-style-type: none"> •Biology/Chemistry •Human Relationships •History/Geography •Government •Child Development •Life Skills
F. MANUFACTURING, ENGINEERING, & TECHNOLOGY	Industrial Technology Industrial Illustration Computer Systems Physicist Mechanical Engineer Electrical Engineer	Designer Engineer Chemist Meteorologist	<ul style="list-style-type: none"> •Advanced Math •Machine Shop •Drafting •Electronics 	<ul style="list-style-type: none"> •Physics •Chemistry •Computer Classes •Global Science



SUGGESTED LINCOLN HIGH SCHOOL REQUIRED SUBJECT PLACEMENT AND FOUR YEAR PLAN

<u>GRADE 9</u>	<u>CREDIT</u>
English 9	1
Foundations of Writing	1/2
Physical Education & Health 9	1
Math	1
Physical Science	1
Civics	1
Tech 101	1/2
LINC	1/4
*Art	1
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Total Credits	8.25

<u>GRADE 11</u>	<u>CREDIT</u>
English 11	1
Math	1
Chemistry/Physics	1
Social Studies – World Geography	1/2
World History	1/2
Physical Education	1/2
LINC	1/4
*Art	1
<hr/>	
Total Credits	8.25

<u>GRADE 10</u>	<u>CREDIT</u>
English 10	1
Physical Education	1/2
Math	1
Biology	1
American History	1
LINC	1/4
*Art	1
<hr/>	
<hr/>	
<hr/>	
Total Credits	8.25

<u>GRADE 12</u>	<u>CREDIT</u>
English 12	1
Economics	1/2
Senior Focus	1/2
*Art	1
<hr/>	
<hr/>	
<hr/>	
Total Credits	7-8

- 29.75 CREDITS REQUIRED FOR GRADUATION.
- Meet state graduation test requirements in reading, math, and writing.
- In Grades 9, 10 and 11, students take 8.25 credits per year.
- In Grade 12, students take a minimum of 7 credits.
- Each year students will select elective courses. These courses should be chosen with a purpose and plan.
- * Art credit may be taken any time in grades 9-12.



Course Descriptions



◆ AGRICULTURE ◆

100 EXPLORING AGRICULTURE

Grades: 9-12
Elective

PREREQUISITE:
None

COURSE CONTENT:

Have you ever wanted to pick what you learn about in class? This is exactly what we do on the first day of Exploring Agriculture. As a class we will brainstorm a variety of topics that interest the class and explore them. They might include: where our food comes from, different types of animals (from zebras to whitetail deer), wildlife, floral design/corsage making, llamas, small animals, horses, greenhouses, landscaping, aqua culture (fish farming), just about anything is fair game in the field of agriculture.

OBJECTIVES:

1. Understand the elements of an effective FFA and (Supervised Agriculture Experience) program.
2. Discuss the basic elements in animal science, plant science, small animal management, and wildlife resources.
3. Demonstrate principles of science and its relationship to agriculture.
4. Analyze the elements of career and job choices in agriculture.
5. Examine the importance of agriculture safety.
6. Understand agriculture terminology.

112 COMPANION ANIMALS I

Grades: 9-12
Elective

PREREQUISITE:
None

COURSE CONTENT:

If you love dogs, cats, and horses then this is the class for you. This course will deal primarily on the principles of the small animal industry, animal and human safety, animal rights and welfare, animal careers, animal nutrition, and the dog, cat and horse industry. A large amount of time will be spent on the care, management, selection, identifying, health and disease of dogs, cats, and horses.

OBJECTIVES:

1. Analyze the importance of the small animal industry.
2. Explain the safety of working and playing with small animals.
3. Identify and compare the issues concerning animal rights and animal welfare.
4. Examine the importance of nutrition and diet of small animals.
5. Analyze the history, use, health, selection and production of dogs and cats.

111 COMPANION ANIMALS II

Grades: 9-12
Elective

PREREQUISITE:

It is highly recommended this class be taken after Companion Animal I, however, it can be still taken if it has not been completed.

COURSE CONTENT:

Creepy crawlers, fuzzy critters, squeaky noises... If you like animals that might fit into one of these categories, then this is the class for you. This class will explore all the different areas the we are able to go through in Small Animal Management I. Be prepared to look deeper into health and diseases of companion animals, ferrets, chinchillas, rabbits, hamsters, gerbils, rats/mice, snakes, birds, fish, reptiles, and amphibians. You will be learning how to select, feed, care and identify the above animals. This class will also venture over to Grand Forks to PETCO to have hands on activities with these animals.

OBJECTIVES:

1. Describe the use of ferrets, chinchillas, rabbits, hamsters, gerbils, rats/mice, snakes, birds, fish, reptiles, and amphibians in the United States.
2. Understand the basic principles of health and disease, including vaccinations, routes that disease takes, physical examinations and suturing.

1/2 CREDIT

AGRICULTURE

COURSE	CREDIT	GRADE LEVEL
100 Exploring Agriculture	1/2	9-12
112 Companion Animals I	1/2	9-12
113 Companion Animals II	1/2	9-12
115 Floriculture	1/2	9-12
125 Wildlife Resources	1/2	9-12
127 Natural Resources	1/2	9-12
128 Agricultural Business	1/2	9-12
135 Animal Science	1	10-12
140 Plant Science	1	10-12

3. Identify and select ferrets, chinchillas, rabbits, hamsters, gerbils, rats/mice, snakes, birds, fish, reptiles, and amphibians.
4. Analyze the proper nutrition and care of ferrets, chinchillas, rabbits, hamsters, gerbils, rats/mice, snakes, birds, fish, reptiles, and amphibians.
5. Discuss and describe proper housing and management of ferrets, chinchillas, rabbits, hamsters, gerbils, rats/mice, snakes, birds, fish, reptiles, and amphibians.
6. Identify diseases and ailments of ferrets, chinchillas, rabbits, hamsters, gerbils, rats/mice, snakes, birds, fish, reptiles, and amphibians.

115 FLORICULTURE

Grades: 9-12
Elective/Required

Partially meets Art graduation requirement.

PREREQUISITE:
None

COURSE CONTENT:

Do you like design? Do you like flowers? Do you like hands-on projects? If so, this is the class for you. In floriculture we will examine floral history, industry, design, principles, arrangements and careers. This class will involve designing with silk and fresh flowers.

OBJECTIVES:

Students will be able to:

1. Understand the history of floral design.
2. Understand the fundamentals of the floral industry.
3. Understand and utilize the design principles.
4. Identify types of tools, containers and mechanics.
5. Identify flowers and foliage's.
6. Utilize season, holiday and special occasion designs.
7. Review the careers in the floral industry.



125 WILDLIFE RESOURCES**1/2 CREDIT**Grades: 9-12
ElectivePREREQUISITE:
None**COURSE CONTENT:**

Deer, elk, black bear, timber wolves... do these animals interest you? Are you a sportsman/woman? If so, then this class was made for you!! This course will cover the foundation of management of wildlife in Minnesota. Included will be a historical perspective on a variety of species ranging from white-tailed deer to waterfowl. The animals' characteristics, life cycles, habitat needs and management benefits to communities and agriculture will also be addressed. Students will also experience the advanced hunter education curriculum.

OBJECTIVES:

1. Formulate a historical perspective of various large wildlife mammal species in Minnesota as a result of human, agricultural, forestry, industrial and governmental developments and actions.
2. Analyze the physical, reproductive and behavioral characteristics of the white-tailed deer, black bear, moose and timber wolves.
3. Evaluate and describe habitats preferred by large wildlife species.
4. Appraise the relationship of various biotic and environmental capacities which determine population levels.
5. Analyze the impact of harvesting regulations and wildlife management practices of large wildlife mammals.
6. Determine the economic and aesthetic benefits large wildlife mammal management provides to local, regional and state economies.

127 NATURAL RESOURCES**1/2 CREDIT**Grades: 9-12
ElectivePREREQUISITE:
None.**COURSE CONTENT:**

Waterfowl, freshwater fish, wetlands, game birds, birds of prey, do these topics interest you? If so, then this is a class you need to check out. We will investigate all types of birds, fish, soils, land management, and conservation practices. This class will also be touching briefly on other large game of the world, Minnesota large game will not be discussed in detail, this is taught in Wildlife Resources 1.

OBJECTIVES:

1. Understand the principle of ecology.
2. Understand and relate the relationships of wildlife and agriculture.
3. Identify and discuss the ecology of birds (waterfowl, game birds, birds of prey, and songbirds)
4. Identify and discuss the ecology of fish. (freshwater and saltwater)
5. Understand the fundamentals of conservation and management.

128 AGRICULTURAL BUSINESS**1/2 CREDIT**Grades: 9-12
ElectivePREREQUISITE:
None.**COURSE CONTENT:**

This is an introductory course on the scope and structure of agricultural business. Students explore key economic issues and their effects on the agricultural sector. This course is designed to help you become familiar with business principles as they apply to agriculture. In this class students will also learn about sales, marketing, financial management, and cooperatives. This is an applied business class that focuses on agriculture.

OBJECTIVES:

1. Demonstrate understanding of budgets and usage of balance sheets.
2. Analyze sales tactics in the agricultural markets.
3. Identify careers related to agribusiness.
4. Examine the use of futures markets and how it affects the industry.

135 ANIMAL SCIENCE**1 CREDIT**Grades: 10-12
ElectivePREREQUISITE:
Biology**COURSE CONTENT:**

This class will investigate scientific methods relating to the biology of large animals (livestock), small animals and pets. Specific topics include, but are not limited to, taxonomy, classification, biological systems, anatomy and physiology, nutrition, genetics, reproduction, pathology, distribution and adaptation to the environment, selections, evaluation and housing. Laboratory activities will provide opportunities for problem solving through practical application. Applications to current issues on the national, state and local level will be present. Field trips will be completed to farms and the University of Minnesota, Crookston when possible, for hands on application.

OBJECTIVES:

1. Apply the scientific method to the study of animals.
2. Evaluate classification and selection practices and their relationship to distribution and adaptation to the environment.
3. Evaluate the process of animal biology including anatomy, physiology, growth, development, reproduction, nutrition and health.
4. Evaluate the interrelationships between biological systems.
5. Compare and contrast the biological systems of various animals.
6. Evaluate the process involved in the transfer of genetic characteristics.
7. Evaluate the relationships between animals and their environment.
8. Select appropriate scientific techniques to solve problems relating to animals.
9. Justify a position related to issues of ethic and animal welfare.
10. Utilize approved practices in caring for and managing animals.

140 PLANT SCIENCE**1 CREDIT**Grades 10-12
ElectivePREREQUISITE:
Biology**COURSE CONTENT:**

This course will investigate scientific concepts relating to plants. Specific topics will include: scientific methods, taxonomy and classification, distribution, cell structure and function, anatomy and physiology, interrelationships of environmental factors, reproduction, genetics, plant breeding, pathology, and the study of plants used by humans in a managed environment. Laboratory activities will include experiments, landscape design, floral design, greenhouse growing, propagation, hydroponics, and field trips (when appropriate).

OBJECTIVES:

1. Apply the scientific methods to the study of plants.
2. Evaluate classification systems, distributions and adaptations of economic plants.
3. Analyze the relationships between structures and functions.
4. Compare morphology, growth and development of economic plants.
5. Analyze the biological, physical and chemical process involved in plant growth, development and reproduction.
6. Evaluate the interrelationship between plants and their environment.
7. Evaluate the process involved in the genetic transfer of traits.
8. Analyze the interdependence of plants, people and the environment.
9. Select appropriate scientific techniques to solve problems relating to plants.
10. Analyze plants for the utility of humans whether it be ornamental, food or manufacturing uses.
11. Examine the use of fertilizers, pesticides and herbicides of plants.



◆ ART ◆

All Courses In The Art Department Will Meet The Art Graduation Requirement

150 EXPLORING ART (Art Appetizers) 1/2 CREDIT

Grades 9-12
Elective

PREREQUISITE:
None

COURSE DESCRIPTION:
Serving up a small sampling –just a taste– of art fundamentals. We'll be exploring sculpture, drawing, printmaking, clay, and painting. Due to the variety of mediums, this is a semester class.

OBJECTIVES:

1. Students will become acquainted with many different mediums, tools and techniques.
2. Students will become acquainted with basic skills in drawing and painting.
3. Students will become acquainted with some basic concepts in sculpture.
4. Students will begin to develop observation skills.

155 PRINTMAKING (Print Your Style) 1/2 CREDIT

Grades 9-12
Elective

PREREQUISITE:
None

COURSE DESCRIPTION:
BE BOLD, BE BRAVE, BE YOU. This class is all about individualization. Express your style/ creations on wearables and accessories through block printing and screen-printing.

OBJECTIVES:

1. Students will be introduced to printmaking fundamentals.
2. Students will study the elements of printmaking.
3. Students will discover the importance of printmaking in history.
4. Students will begin to develop observation skills.

165 SCULPTURE MADNESS (Bigger, Badder, Messier) 1/2 CREDIT

Grades: 10-12
Elective

PREREQUISITE:
Exploring Art

COURSE DESCRIPTION:
Be prepared to get dirty exploring 3D sculpture using paper mache, wire, plaster, and other materials. Due to the nature of this class, this class requires problem –solving, perseverance, and a willingness to take calculated risks.

OBJECTIVES:

1. Students will be introduced to sculptural fundamentals which are technique, form, and content.
2. Students will study the elements of sculpture and the principle of order.
3. Students will discover the importance of sculpture in history.
4. Students will create sculpture using a variety of materials (e.g., illustration board, wire, creastone, etc.)

168 DRAWING I (Dare to Draw I) 1/2 CREDIT

Grades: 9-12
Elective

PREREQUISITE:
Exploring Art

COURSE DESCRIPTION:
In this class we will start with the nitty-gritty of how to draw. Drawing sounds hard and can be intimidating but it really comes down to learning how to see shapes, light, and shadow. Yes, it's really that easy. **DO IT. DARE TO DRAW.** Sketchbook is required.

OBJECTIVES:

1. Students will learn the elements of design: line, shape, texture, value, and color.
2. Students will explore the principles of art: balance, emphasis, harmony, variety, movement, and proportions.
3. Students subject will be driven by the skill level of the group in these potential categories: still life, landscape, figure, wildlife, etc.

ART

	COURSE	CREDIT	GRADE LEVEL
150	Exploring Art	1/2	9-12
155	Printmaking	1/2	9-12
165	Sculpture Madness	1/2	10-12
168	Drawing I	1/2	9-12
170	Drawing II	1/2	10-12
171	Paint Your World	1/2	10-12
172	Clay	1/2	10-12
175	Advanced Art	1	11-12

4. All students will find a certain level of success with drawing exercises.
5. Students will discover the value of composition.
6. Students will work in groups and independently.

170 DRAWING II (Get in the Trenches) 1/2 CREDIT

Grades: 10-12
Elective

PREREQUISITE:
Draw I

COURSE DESCRIPTION:
GET IN THE TRENCHES and try new ideas. Use what you learned in Draw 1 (**DARE TO DRAW**) and **DARE** to push yourself further. Drawing gives you the **POWER/AMMUNITION** to express your ideas. Sketchbook is required

OBJECTIVES:

1. Students will develop additional skills in the elements and principles of design.
2. Students will develop their skills of observation and interpretation
3. Students subject will be driven by the skill level of the in these potential categories: still life, landscape, figure, choice, etc.
4. Students will become acquainted with many different drawing mediums, tools, and techniques.
5. Students will work in groups and independently.

171 PAINT YOUR WORLD (Dream It, Draw It, Paint It) 1/2 CREDIT

Grades: 10-12
Elective

PREREQUISITE:

Student has satisfactorily completed Draw I with a grade of C or better.

COURSE DESCRIPTION:

Take your drawings to the next level by adding paint. Spray paint, watercolor paint, acrylic paint, and time permitting- airbrush painting.

OBJECTIVES :

1. Students will develop additional skills in the elements and principles of design.
2. Students will further develop skills in color.
3. Students will develop their skills of observation and interpretation.
4. Students will discover the importance of painting in history

172 CLAY (Fired Up About Clay) 1/2 CREDIT

Grades: 10-12
Elective

PREREQUISITE:
Exploring Art

COURSE DESCRIPTION:

ROLL IT, PINCH IT, GLAZE IT, and USE IT. Be ready to make pots, bowls, plates, and sculptures.

OBJECTIVES:

1. Students will learn basic construction methods in clay.
2. Students will explore the history of clays and learn the different types of clay.
3. Students will discover different glazes, their function, and how to apply them.
4. Students will have available the potters wheels.
5. Students will experience the different firing methods using the kiln.

175 ADVANCED ART**1 CREDIT**

Grades: 11-12
Elective

PREREQUISITE:

A portfolio of art work will be reviewed. A strong drawing and painting background is suggested for students.

COURSE CONTENT:

The visual art students will explore independently and in small groups two-dimensional and three-dimensional art areas, such as drawing, design, painting, sculpture, mixed media, and computer aided graphics. Students will apply the elements and principles of art while learning basic techniques and methods.

OBJECTIVES:

1. The students will demonstrate application of understanding how media, techniques, and processes are used in creating works of visual art.
2. The student will demonstrate application of how visual art works are structured, and how art has a variety of functions.
3. The student will demonstrate application to identify, analyze, and select subject matter, symbols, and ideas for personal/cultural expression in the visual arts.
4. The student will demonstrate application of how historical and cultural contexts provide meaning for works of visual art.
5. The student will demonstrate application that will reflect upon the characteristics of visual art works and assess the merits of their own art works and the art works of others.

◆ BUSINESS ◆

215 FINANCIAL MANAGEMENT**1 CREDIT**

Grades: 10-12
Elective

PREREQUISITE:

None

COURSE CONTENT:

A redesigned curriculum now gives students an opportunity to learn "Foundations of Financial Management" written by syndicated radio host and financial guru, Dave Ramsey. Dave offers a radically different approach to money management with his belief that "no use of credit" will lead to greater financial success. It requires a complete paradigm shift from what the "norm" would find acceptable. Dave preaches "normal" lives paycheck to paycheck and many end up "broke" after a lifetime of working. The class presents Dave's principles with some slight modifications. Limited use of credit is allowed but only when using a disciplined approach to monitor and evaluate its use. Other units include savings and investing, budgeting, insurance, consumer awareness, bargain shopping, and money and relationships.

Along with the Ramsey curriculum, students also participate in the Stock Market Game, a statewide simulation sponsored by the Business and Economic Education Foundation and Wells Fargo Bank. Participants are given \$100,000 of fictitious cash to be invested in real companies, with live prices, trading on the US stock exchanges. They are allowed to buy and sell companies over a 15-week period, but are not allowed to buy on margin or short sell. Research needs to be done on any stock that is purchased for the game, and each trade is charged a broker fee of 1%. Students are encouraged to develop techniques and strategies used by "investors" not day traders. Reports are received weekly ranking their investment return with over 900 teams competing throughout the state of Minnesota.

OBJECTIVES:

1. Students will learn the language of Wall Street
2. Students will identify and create a personal plan for investing
3. Students will gain hands-on experience by evaluating, selecting, and learning the methods used by successful investors
4. Critical thinking and decision making skills, and working as a member of a team will be emphasized.

216 BUILDING WEALTH**1 CREDIT**

Grade: 11-12
Elective

PREREQUISITE:

Financial Management

COURSE CONTENT:

Building Wealth is a course designed to examine an advanced level of accumulating wealth over the long term by investing in the stock market. This course is designed for those students who have a strong interest in learning advanced methods of investing, and gaining financial independence through investing in the stock market. A pre-requisite for this class is Financial Management.

Building Wealth will use Better Investing's Investor Toolkit to analyze stocks by looking at earnings, growth, and projected buy, sell and hold zones. Investment research from Standard and Poor's, Value Line, and Manifest Investing will also be used to evaluate investments.

Hands on learning will take place as the students participate in the stock market game. The textbook used will be Jim Cramer's Getting Back to Even. Podcasts from Fast Money and Mad Money will also be used

BUSINESS

COURSE	CREDIT	GRADE LEVEL
215 Financial Management	1	10-12
216 Building Wealth	1	11-12
220 Personal Law	1/2	10-12
225 Web Design	1/2	9-12
226 Advanced Web Design	1/2	10-12
240 Entrepreneurship	1/2	10-12
245 Accounting	1	10-12
246 Advanced Accounting	1/2 or 1	11-12
250 Sports Marketing	1	10-12
253 Prowler Tech Team	1/2	10-12

220 PERSONAL LAW**1/2 CREDIT**

Grades: 10-12
Elective

PREREQUISITE:

None

COURSE CONTENT:

Personal Law will increase a students' awareness of their rights and responsibilities in a variety of legal matters and consumer situations. The goal of the course is to help students become book smart, street smart, and legal.

Topics will include issues which affect minors and adults, an awareness of legal rights and the responsibilities that accompany each right. Units of study include: the source of our laws, the process of making a law, criminal, juvenile, and civil law, contract law, domestic violence and abuse, sexual harassment, and the court system.

Projects include a ride-along with law enforcement and a creative writing project used to demonstrate an understanding of legal terms and legal concepts. Visitors to the classroom include the Chief of Police, a Juvenile Officer, BCA Agent, Local Attorney or a Probation Officer, and the Violence Intervention Project Coordinator. A field trip to the Pennington County Courthouse for a live court session is also planned.



225 WEB DESIGN**1/2 CREDIT**Grades: 9-12
Elective/Required**Partially meets Art graduation requirement.**PREREQUISITE:
None**COURSE CONTENT:**

Have fun designing web pages using Dreamweaver. Learn the dos and don'ts of web page design by evaluating web pages. Let your creative side show while creating animation with the designing/editing features in Dreamweaver. Use your skills to create professional, up-to-date web sites that are pleasing to the eye and easy to use.

226 ADVANCED WEB DESIGN**1/2 CREDIT**

Grades: 10-12

COURSE CONTENT:

Build on your existing Dreamweaver skills, and become familiar with several interactive design techniques using Fireworks. Individual and group projects are assigned, and frequently involve the creation of "real world" interactive web sites. Advanced Web students work with actual professionals, proposing and developing web sites for independent entrepreneurs, businesses, and various organizations within our community and beyond.

240 ENTREPRENEURSHIP**1 CREDIT**Grades: 10-12
ElectivePREREQUISITE:
None**COURSE CONTENT:**

School-based Entrepreneurship is a class that teaches students how to run a small business first hand. Students will use technology, their creativity, and teamwork to come up with an idea, and then actually develop the product to try and sell to the public. If the product fails, no big deal, but if the product succeeds, you could be on your way to making millions. Do you have the NEXT BIG IDEA??? Enroll today to find out.

245 ACCOUNTING**1 CREDIT**Grades: 10-12
ElectivePREREQUISITE:
None**COURSE CONTENT:**

Does your future include a degree in business, marketing, management, finance, or even cosmetology or carpentry? No matter what field you choose, an accounting course will likely be required. Why not learn the basics of accounting in high school to help prepare you for future classes in college. Accounting has many benefits, regardless of your career choice. The study of accounting is interesting and fun, yet thought-provoking. Through accounting simulations, students apply their knowledge of accounting to real-world situations. Upon completion of accounting, students will have the basic understanding needed to succeed in future business courses at the university or technical college level.

**246 ADVANCED ACCOUNTING****1/2 OR 1 CREDIT**Grade: 11-12
ElectivePREREQUISITE:
Accounting I.**COURSE CONTENT:**

Review Accounting I. Introduce departmentalized accounting involving purchases, cash payments, sales, cash receipts, payroll and financial statements.

Complete a departmentalized practice set. Upon completion of set, work on accounting control systems: voucher system and inventory planning.

Cover adjustments, notes payable, prepaid expenses, accrued expenses, notes receivable, unearned revenue, accrued revenue, corporation accounting and management accounting.

Spend time on job seeking skills. Each student applies for an accounting position including typing a resume, an application letter, and filling out an application form. Each is interviewed for a job in our simulated offices. Each learns how to use the computers, how to work with each other in an office situation, and how to understand the flow of work in an accounting office.

CLASS OBJECTIVES:

This advanced course is designed for students who have one or more of the following objectives:

1. To become accounting clerks or accountants' assistants upon graduation from school.
2. To go to college and major in accounting or some phase of business administration. Major collegiate areas such as marketing, management, and finance usually require some knowledge of accounting theory and practice.
3. To broaden and improve knowledge about business procedures and the use of accounting theory and practice.
4. To become acquainted with the use of the computer.

250 SPORTS MARKETING**1 CREDIT**

Grades: 10-12

PREREQUISITE:
None**COURSE CONTENT:**

This class explores the fun of sports and entertainment with the challenge of marketing and managing. Sports Management introduces students to advertising, and the overall management of sports activities. Throughout the course you'll have the opportunity to promote and manage your franchise. You will be creating an Arena/Stadium, Jersey's, Mascots, Logos and Team Payroll.

253 PROWLER TECH TEAM**1/2 CREDIT**

Grades: 10-12

PREREQUISITE:
Teacher approval**COURSE CONTENT:**

The Prowler Tech Team members will undergo a training program before assisting other students and staff with all issues technology related. From troubleshooting simple computer issues to assisting a teacher as he/she introduces a new tool in class, STT members will share their knowledge and skills to enhance our learning environment. This class may be repeated, with experienced students serving as mentors to new ones.

CLASS OBJECTIVES:

This advanced course is designed for students who have one or more of the following objectives:

1. Students will demonstrate the technology and leadership skills necessary to be an effective team member through a web-based and hands-on curriculum.
2. Students will troubleshoot computer and/or equipment operating issues for students and staff.
3. Students will explore educational web tools and sites that can be used by students and teachers to enhance learning through productivity, organization, and/or content creation
4. Students will assist teachers and students with the integration of technology in lessons and learning.
5. Students will create video tutorials and/or maintain a blog to relay their knowledge of tech-related issues, tools, and learning.

◆ CAREER EXPLORATION ◆

255 LINC

1/4 CREDIT

Grades: 9, 10 and 11
Required

PREREQUISITE: None

COURSE CONTENT:

A school wide guidance program that helps students in grades 9-11 reach the following goals by the end of high school.

- 1. Academic Readiness:** The ability to succeed in first-year of "college" after high school including technical, community, and four-year college or university.
- 2. Admissions Readiness:** The ability to meet admissions requirement for a range of postsecondary colleges and institutions
- 3. Career Readiness:** The ability to identify careers that match persona, financial and other goals and an understanding of the skills, credentials, and experiences required to succeed in those careers.
- 4. Financial Readiness:** The ability to cover the costs of the first term of study at a postsecondary college and institution through savings, loans, and financial aid.
Personal and Social Readiness: The ability to set educational goals, make and monitor progress toward them, and create relationships with peers and adults that support academic success.

256 WORK SEMINAR

1/2 CREDIT

Grades: 11-12

COURSE CONTENT

Students who participate in Work Seminar will be aided in answering the life long question of: "What do I want to be when I grow up?" The major purpose of this class is in career exploration, and to explore the methods of finding and securing a career. Students will go through an entire interview process, from the application to the resume' writing process as well as an actual interview.

Students will also be exposed to a variety of careers from guest speakers and field trips to area businesses. When students are done with this class they will have a resume', cover letter as well as an on-line portfolio that will be accessible to them throughout their college and working career.

OBJECTIVES:

- To assist students in exploring career information.
- To develop strategies to find and maintain employment.
- To develop goals as a pathway to future success in the world of work.

257 WORK EXPERIENCE

1 or 2 CREDITS

Grades: 11-12

PREREQUISITE:

Must be enrolled in or have completed Work Seminar to participate.

COURSE CREDIT:

Students are employed in an entry level of their choice occupation. Students work approximately 10-30 hours per week and receive the going rate of pay for entry level workers from their employing firm. The student signs out to leave school during his or her work experience hours. A training agreement is signed by the instructor, employer, parent and student trainee.

OBJECTIVES:

- To satisfy the needs of students who desire to enter, progress, upgrade and improve their skills, attitudes, knowledge and abilities in the job market.
- Prepare the students for a lifetime of experiences in the world of work.

258 INTERNSHIP

1/2 or 1 CREDIT

Grades: 11-12

PREREQUISITE: Teacher approval

COURSE CONTENT

The Internship program is designed to introduce the serious career-minded student to a job. Prospective student will spend a block of school time at the work site every day for a quarter. For certain jobs, some prerequisites may apply.

CAREER EXPLORATION

	COURSE	CREDIT	GRADE LEVEL
255	LINC	1/4	9-11
256	Work Seminar	1/2	11-12
257	Work Experience	1 or 2	11-12
258	Internship	1/2 or 1	11-12
259	DigiKey Experience	2	12
259A	Senior Focus	1/2	12
259B	Senior Project	1/2	12
259D	Leadership & Lifetime Fitness	1/2	11-12
259E	Community Service	1/2	11-12

259 DIGIKEY EXPERIENCE

2 CREDITS

Grade: 12
Elective

PREREQUISITE: Counselor/Principal Approval

COURSE CREDIT:

An opportunity to work at DigiKey, receive high school credit, and get paid for work. Students would work for six weeks in three different departments. The areas in which you can work are Internet Sales, Supplier Invoicing, Expediting, Receiving, Records Management and Information Management. . Students will work Monday-Friday from 12:00-3:00 for an 18 week period. They are expected to follow Digi-Key's employee work code which includes business casual dress, being on time, call in when going to be absent from work, maintain professionalism and follow personal cell phone/data phone policy. Policy states that phones must be turned off and stored away from view by employees during their scheduled work hours. This includes, but is not limited to, phone calls, text messaging, e-mail, games and other Internet access, during work time. Following each department work assignment, students will complete an evaluation with the department manager.

259A SENIOR FOCUS

1/2 CREDIT

Grade: 12
Required

COURSE CREDIT:

Senior Focus involves a combination of money management and college/career readiness lessons. These components will help prepare seniors for life and learning beyond high school.

OBJECTIVES:

- Students will demonstrate an understanding of financial concepts for building, maintaining, and protecting future wealth.
- Students will analyze employee benefits and retirement options.
- Students will explore post-secondary educational/training options and discuss a plan for success.
- Students will prepare for future work by examining career options, building resumés and eportfolios, and practicing for interviews.
- Students will examine subjects such as college grading, university services, financial aid/scholarship options, and campus life.
- Students will demonstrate effective use of technology for productivity, organization, and content creation.

259B SENIOR PROJECT

1/2 CREDIT

Grades: 12

PREREQUISITE: Teacher approval

COURSE CONTENT

With the assistance of a faculty advisor, students enrolling in senior project will develop and complete an independent project to be approved by an advisory team of LHS faculty and administrators. Projects may vary according to student interests, strengths, and future goals.

COMPONENTS:

- Proposal
- Project (Career Focus, Service Learning or Student Personal Interest)
- Project Portfolio
- Presentation to Panel

259D LEADERSHIP & LIFETIME FITNESS 1/2 CREDIT

Grade: 11-12

PREREQUISITE:

1. Successful completion of 9th grade Physical Education.
2. Students must have a junior or senior standing.
3. Counselor / Teacher approval.

COURSE CONTENT:

1. What do powerful business people, highly effective individuals, and successful athletes all have in common? They must have strong leadership skills to achieve success.
2. This class is designed to teach students leadership skills that will be important to their future, regardless of their career goals.
3. This class teaches “basic people skills” identified as crucial for success into the next century.
4. These skills include problem solving, creative thinking, self-esteem, goal setting, motivation, interpersonal skills, team-work, situational leadership and communication.
5. Class emphasis includes small group work and hands-on experiences. A class activity will include peer leadership and mentoring including teaching leadership to the the CES and FMS students.
6. 1-2 times per week you will be doing a T25 workout. You will be setting up a Personal Fitness Plan using current fitness apps. In class you will be using our heart rate monitors to determine and chart your current fitness levels.

LIFELONG LEARNING STANDARDS: EVERY STUDENT WILL...

1. Understand leadership principles and styles.
2. Students will learn to be a complex thinker, effective communicator, self-directed learner, contributing citizen in school and community.

LEADERSHIP PHILOSOPHY: Includes attitude, responsibility, self image, character, goal setting in order to have success. You need to plan for it, prepare it, and then, and only then, can you expect it. To date, education has heavily emphasized the skills of the disciplines and has expected the attitudinal skills to be in place, developed at home, or at most, touched upon as it relates to classroom management. This simply isn’t working any more. As teachers / coaches, we need help and that help comes from the lessons taught in this curriculum; lessons that help change attitudes and, consequently, change lives.

259E COMMUNITY SERVICE 1/2 CREDIT**1/2 CREDIT**

Grades 11-12

PREREQUISITE: Desire to help someone else. Willingness to volunteer time in service to others. In or out of the school day

COURSE CONTENT: Serve the needs of others in our community. Students will work with the school work coordinator and choose where and who they want to help as a volunteer. This could include working with young children, school age children, special needs children or adults, and or elderly. It would most often involve working with a school or community based program dedicated to helping others in need. Highly recommended for any career that requires a lot of people contact.

Students will be required to reflect on time spent utilizing blogger.

◆ COMPUTER SCIENCE ◆**262 DIGI TOOLS 1/2 CREDIT****1/2 CREDIT**

Grades: 9-12

Elective

PREREQUISITE: None.**COURSE CONTENT:**

Do you like working with computers but are not quite sure what you should focus on? In this course we are going to explore several digital tools that may help you find your area of concentration. You will explore Photoshop, iMovie advanced features, computer programming, or other areas of interest.

OBJECTIVES:

1. Students will demonstrate creative thinking and transfer current knowledge to new technologies and situations.
2. Students will communicate relevant information and ideas with their teachers, peers, parents, and community members using a variety of digital tools and resources.
3. Students will use current and emerging digital tools to locate, analyze, and evaluate their research and learning.
4. Students will practice and model digital etiquette and responsible social interactions related to the use of technology and information.

263 MOBILE APPS 1/2 CREDIT**1/2 CREDIT**

Grades 9-12

Elective

PREREQUISITE: None**COURSE CONTENT:**

This is an introductory design & programming course using Java and Eclipse for Android devices. Students will learn about current industry standards, languages and platforms used in mobile apps development with a special focus on career opportunities within the industry and the entrepreneurial potential that exists.

OBJECTIVES:

1. Students will learn how to prepare and work towards a career in mobile applications.
2. Students will design & program real working mobile based apps.
3. Students will create, test, and debug Android applications.
4. Students will research postsecondary and career trends, wage data and employment opportunities in mobile application development and technology based industries.

268 VIDEO GAME DESIGN 1/2 CREDIT**1/2 CREDIT**

Grades 9-12

Elective

PREREQUISITE: None**COURSE CONTENT:**

Using Game Maker Lite, students will use simple “drag-n-drop” programming to build games like Pong, Pacman and Mario. Students will troubleshoot & test fellow classmate’s games to fix bugs and ensure performance. Students will also explore components of a good game, color theory used in game design, as well as research careers and opportunities in game development and other technology based industries.

COMPUTER SCIENCE

COURSE	CREDIT	GRADE LEVEL
262 Digi Tools	1/2	9-12
263 Mobile Apps	1/2	9-12
268 Video Game Design	1/2	9-12
268A Intermediate Video GameDesign	1/2	9-12
269 Advanced Video Game Design	1/2	10-12
270 LHS Newsroom	1	11-12
271 Video Production	1/2	10-12
272 Senior Video	1/2	11-12
280 Adobe Photoshop	1/2	9-12
281 Tech 101	1/2	9-12

OBJECTIVES:

1. Students will gain technical skills related to software development, computer programming & graphic design.
2. Students will troubleshoot and debug programs.
3. Students will use communication and collaboration as an individual and as part of a team.
4. Students will research postsecondary and career trends, wage data and employment opportunities in game development and technology based industries.

268A INTERMEDIATE VIDEO GAME DESIGN 1/2 CREDIT**1/2 CREDIT**

Grades 9-12

Elective

PREREQUISITE: None**COURSE CONTENT:**

Using Construct 2, which is a free, HTML5 game creator; students will be immersed in the full spectrum of game development. Students will code & build games as well as dive into theories that differentiate games from each other. As games get more complex, students will be introduced to more advanced features such as variable, functions, arrays and loops. For their final project, each student will produce an original game idea that they will present

OBJECTIVES:

1. Students will gain technical skills related to software development, computer programming & graphic design.
2. Students will troubleshoot and debug programs.
3. Students will develop a marketing plan for an original programmed game to include; target audience, competition, delivery options, product pricing, and logo design.
4. Students will research postsecondary and career trends, wage data and employment opportunities in game development and technology based industries.

269 ADVANCED VIDEO GAME DESIGN 1/2 CREDIT

Grades 10-12
Elective

PREREQUISITE: Video Game Design or Intermediate Video Game Design

COURSE CONTENT:

Student will be introduced to C# programming and game development with XNA game studio. Students will create and customize new game characters, items, chests, quests, and monsters. For the final project students will create their own role-playing game!

OBJECTIVES:

1. Students will learn programming skills related to software development and programming with C# and XNA Game Studio.
2. Student will analyze the basic structure of C# application and be able to debug, compile, and run an application.
3. Students will identify the code, structure, and layout of a fully functional role-playing game (RPG).
4. Students will recognize software engineering design principles by working within and enhancing a complex fully functional game.

270 LHS Newsroom 1 CREDIT

Grades 11-12

Meets Art graduation requirement.

PREREQUISITE: Digi Tools or Basic Video Production

COURSE CONTENT:

This class will explore video creation for a news program for Lincoln High School. Students will work in various roles as news anchor, reporter, writer, cameraperson, audio tech, and editors. Students will learn techniques used to shoot video and to edit it using Final Cut Pro X. Students must perform under pressure and be able to meet production deadlines.

271 VIDEO PRODUCTION 1/2 CREDIT

Grades 10-12

Partially meets Art graduation requirement.

PREREQUISITE: None

COURSE CONTENT:

Students in this class will be creating videos using Final Cut Pro X. Projects will also utilize Garageband and iDVD. Students will learn camera operation, image composition, shot organization, storyboarding, and use of a green screen. Among the projects will be a how to video, a 30 second commercial, a music video and a documentary. This class is recommended for students thinking of a career in mass media or journalism.

272 SENIOR VIDEO 1/2 CREDIT

Grades 11-12

Elective

Partially meets Art graduation requirement

PREREQUISITE: Digi Tools or Basic Video Production

COURSE CONTENT:

This class produces the senior video. Students will seek out and record "senior activi-

ties" in classrooms, sports, organizations and community events. Students will complete filming, video editing, photo scanning, and video production to produce the senior class video using Final Cut Pro X. Student will also prepare video labels and burn DVDs for their own copy of the senior video.

280 ADOBE PHOTOSHOP 1/2 CREDIT

Grades: 9-12

Elective

Partially meets Art graduation requirement.

PREREQUISITE: None

COURSE CONTENT:

Photoshop is the industry standard in photo editing and image enhancing. Learn the program that is the essential tool for creative individuals who plan on a career in visual communications. You will learn to choose and use the best techniques for common Photoshop jobs including selecting and isolating objects, creating image composites, masking and vignetting images, setting typography, and improving images with retouching and effects.

OBJECTIVES:

1. Students will navigate the photoshop interface with basic keyboard shortcuts and properly identify the standard icons of the interface, tools, palettes, and explain their function.
2. Students will alter images to modify and correct color, contrast, resolution, and sharpness using the appropriate tools and skills.
3. Students will apply their knowledge of selection techniques, layer masking and layer control to execute a montage.
4. Students will use the concepts of composition, value, space, perspective, balance, color, and texture to create imagery for web, print, and commercial applications.

281 TECH 101 1/2 CREDIT

Grade: 9

Required

PREREQUISITE: None

COURSE CONTENT:

If you want to maximize the use of the computer, this class is for you!! Tech 101 gives students hands on experience creating a wide variety of projects using Microsoft Office Word, Power Point, Excel, and Google Apps.

Microsoft Office, considered the software of choice in the business world, will provide students with a basic introduction to each of Office's powerful tools. Safari and Google Chrome, two pieces of Internet software, will also be used for creating locating data for student projects.

Projects for school and personal use will allow students to utilize skills achieved in each Microsoft application, and then integrated (use of 2 or more applications) to create personal projects. They include letters, reports, tables, word art and graphic to create desktop publishing projects, power point presentations, spreadsheets, graphics and charts.

OBJECTIVES:

1. Design personal projects using a variety of software applications
2. Improve data entry skills using the correct technique
3. Develop decision-making, problem solving, and independent work skill
4. Have fun and learn by doing!

◆ INDUSTRIAL EDUCATION ◆

300 INDUSTRIAL PROCESSES 1/2 CREDIT

Grades: 9-12

Elective

PREREQUISITE: None

COURSE CONTENT:

This is an introductory course designed to give students basic skills to use in all the industrial technology courses. The class focuses on drafting and design, cost estimating, basic electronics, precision measurement, and sheet metal work. The course is project based with an emphasis in hands-on learning.

OBJECTIVES:

1. Students will use mechanical drafting techniques to draw 3 view drawings and isometric views.
2. Students will be able to design a sheet metal project and estimate its cost.
3. Students will use multimeters to test and build electronic circuits.
4. Students will build an electric motor and an electronic device of their choice.
5. Students will use different types of measuring equipment to design and build their projects.
6. Students will use hand and power tools to create a sheet metal project.

INDUSTRIAL EDUCATION

COURSE	CREDIT	GRADE LEVEL
300 Industrial Processes	1/2	9-12
301 Drafting I	1/2	9-12
305 Electronics I	1/2	9-12
306 Electronics II	1/2	9-12
308 Robotics	1/2	10-12
310 Metal Fabrication	1/2	9-12
315 Small Engines I	1/2	9-12
316 Small Engines II	1/2	10-12
325 Machine Shop I	1/2	10-12
326 Machine Shop II	1/2	10-12
330 Adv Metals I	1/2	10-12
340 Construction Tech I	1/2	9-12
341 Construction Tech II	1/2	10-12

301 DRAFTING I**1/2 CREDIT**Grades: 9-12
Elective

PREREQUISITE: Industrial Processes

COURSE CONTENT:

In this course students will use computer aided drafting (CAD) to draw working drawings and a set of house plans. Building codes and architectural design is emphasized.

OBJECTIVES:

Students will complete an autocad tutorial to learn how to use all of the programs tools

- Students will use autocad to design a home.
- Students will complete floorplan, elevation, electrical, and plumbing views of their designed house.

305 ELECTRONICS I**1/2 CREDIT**Grades: 9-12
Elective

PREREQUISITE: Industrial Processes

COURSE CONTENT:

Students will study the basic principles of D.C. Electronics, A. C. Electronics and Semi conductors.

OBJECTIVES:

- Exploring Electronics is a first course in the interesting and challenging field of Electricity - Electronics. It will acquaint the student with basic fundamentals of electronics and their practical applications.
- Interesting experiments will enable students to discover for themselves many electronic principles. Building simple projects and performing interesting activities will enable students to understand basic electronic circuits.
- Upon completion of this program, the student will have a broad general knowledge of electricity and electronics and also an interest which will lead to further and more advanced studies.

306 ELECTRONICS II**1/2 CREDIT**Grades: 9-12
Elective

PREREQUISITE:

Industrial Processes, Electronics I

COURSE CONTENT:

This course focuses on designing and building digital circuits and the basics of computer repair. Students will have the opportunity to work on personal projects near the end of the course.

OBJECTIVES:

- Identify and use different types of digital components.
- Students will be able to use binary coding.
- Students will be able to replace components inside a computer.
- Students will be able to troubleshoot and identify possible causes of computer malfunction.

308 ROBOTICS**1/2 CREDIT**Grades: 9-12
Elective

PREREQUISITE:

None

COURSE CONTENT:

Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. Course information will be tied to lab experiments. Students will work in groups to build and test increasingly more complex mobile robots, culminating in a regional competition. We will be using the VEX robotic design system as our platform. Students will be divided into groups and complete a variety of robot construction and programming activities within the confines of these groups.

OBJECTIVES:

- Explore the broad scope of robotic applications.
- Learn the basic components and building blocks of robots.
- Develop the design and construction skills to build the robot.
- Learn to program robots.
- Program autonomous mobile robots to achieve challenging tasks.

310 METAL FABRICATION**1/2 CREDIT**Grades: 9-12
Elective

PREREQUISITE: Industrial Processes

COURSE CONTENT:

Students will work in the areas of sheet metal, bench metal, welding, forging, heat treating, and metal finishing.

OBJECTIVES:

- Students will learn how to identify different types of sheet metal.
- Students will learn how to cut, drill, form and stamp metals.
- Students will learn about the different types of threads and how to form them using hand methods.
- Students will learn how to apply a finish to metal products.

GRAD STANDARD:

RVL: Technical Reading

315 SMALL ENGINES I**1/2 CREDIT**Grades: 9-12
Elective

PREREQUISITE: Industrial Processes

COURSE CONTENT:

In Small Engines, students will learn about energy and how it is used in internal combustion, two cycle, four cycle, and other types of engines. Students will learn about engine construction, fuel systems, lubrication systems, cooling systems, and ignition systems. Students will learn about trouble shooting, tune-up, and reconditioning of engines. Students will work on two cycle and four cycle lawn mower engines and may have an opportunity to work on their own engine.

OBJECTIVES:

- Students will learn about engines from classroom and shop experiences.

316 SMALL ENGINES II**1/2 CREDIT**Grades: 10-12
Elective

PREREQUISITE: Must have successfully completed Small Engines I.

COURSE CONTENT:

This course is for students interested in advancing the knowledge and skills learned in Small Engines I. Students will review engine construction, carbonation and electrical systems. Emphasis will be on trouble shooting, tune-up and reconditioning.

OBJECTIVES:

- Students will learn how to use mechanics manuals and parts manuals.
- Students will learn how to use test equipment to trouble shoot an engine and electrical systems.
- Students will learn and improve their skill in overhauling and trouble shooting.

325 MACHINE SHOP I**1/2 CREDIT**Grades: 10-12
Elective/Required**Partially meets Art graduation requirement.**

PREREQUISITE: Metal Fabrication

COURSE CONTENT:

Students will work in the areas of cutting, turning, milling, grinding and drilling. This may be taken a second time with instructor permission.

OBJECTIVES:

Students will learn to safely run a metal turning lathe, a vertical and horizontal milling machine, cylindrical and surface grinders, saws, drill presses, and other related metal working machinery.

326 MACHINE SHOP II**1/2 CREDIT**Grades 10-12
Elective/Required**Partially meets Art graduation requirement.**

PREREQUISITE: Machine Shop I

COURSE CONTENT:

Students will build upon skills learned in Machine Shop 1 and learn new techniques and methods in the areas of metal cutting, turning milling, grinding, and drilling.

OBJECTIVES:

- Students will develop an understanding of engineering design.
- Students will develop the abilities to use and maintain technological products and systems.
- Students will develop an understanding of and be able to select and use manufacturing technologies.

330 ADVANCED METALS I 1/2 CREDIT

Grades: 10-12
Elective

PREREQUISITE:
Metal Fabrication

COURSE CONTENT:

The areas of study are sheet metal, bench metal, foundry, heat treating, turning, milling, grinding, and punching. This class may be taken a second time with instructor permission.

OBJECTIVES:

Students will receive hands on experience casting aluminum and brass parts, heat treating steels, machining pieces on a lathe and milling machine, and working in sheet metal. They will gain entry level skills for employment or further training at the post secondary level.

340 CONSTRUCTION TECHNOLOGY I 1/2 CREDIT

Grades: 9-12
Elective

PREREQUISITE:
Industrial Processes

COURSE CONTENT:

Construction Technology I is an instructional program that prepares an individual for employment or continued education in the occupations of Carpentry, Electrical Wiring, Masonry, or Plumbing. Construction Technology I is a basic course teaching fundamentals of safety, tools, math, and basic carpentry, electrical, masonry, and plumbing skills.

OBJECTIVES:

1. To introduce and master shop/construction safety precaution and awareness.
2. To reinforce basic math skills by incorporation of practical application.
3. To identify hand and power tools and describe their uses.
4. To introduce the students to reading and interpreting construction blueprints.
5. To identify construction materials and describe their uses.
6. To introduce the students to basic skills and knowledge in fields of Carpentry, Electrical Wiring, Masonry, and Plumbing.

341 CONSTRUCTION TECHNOLOGY II 1/2 CREDIT

Grades: 10-12
Elective

PREREQUISITE:
Industrial Processes
Construction Technology I

COURSE CONTENT:

Construction Technology II emphasizes the management and planning aspects of a construction project. Students will estimate and coordinate a building project working from a set of plans. Students will build upon the skills gained in Construction Technology I.

OBJECTIVES:

1. Calculate a bill of materials for building a structure.
2. Utilize and interpret terminology used on building plans.
3. Interpret symbols and information used on building plans including site plans, building, mechanical and electrical drawings.
4. Design a floor framing system, a wall framing system, ceiling framing, and roof framing.
5. Have hands-on experience in actual construction of various building aspects.



◆ HEALTH CAREERS ◆

360 HEALTH CAREERS I 1 CREDIT

Grades: 10-12
Elective

PREREQUISITE:
None

Did you know there are more Healthcare occupations in the U.S. than the next eight largest employment groups combined? Job outlook: 19% increase in jobs through 2018. Education requirements vary from 1 or 2 years to 10 years to become a doctor. And there are 300 ways to put your talents to work in the healthcare field!

You owe it to yourself to explore this field of work. If you decide that this field is not for you, you will have learned valuable information about your own healthcare.

COURSE CONTENT:

1. History of Medicine
2. Healthcare Systems
3. Anatomy and Physiology of the Heart and Lungs
4. Emergency Care: 1st Aid and CPR for college credit
5. Career Exploration

OBJECTIVES:

1. Explore careers in the healthcare field
2. Prepare for post-secondary education
3. Become a more knowledgeable healthcare consumer.

COLLEGE CREDIT:

Students who receive an 84% success level in CPR and 1st Aid will become certified and have an opportunity to receive one (1) college credit through Northland Community and Technical College.

361 HEALTH CAREERS II 2 CREDITS

Grades: 11-12
Elective

PREREQUISITE:
None

If you dream of becoming a surgeon, a veterinary assistant, a physical therapist, a nurse, or any other of the 300 careers in this field, your health career preparation begins in

HEALTH CAREERS

COURSE	CREDIT	GRADE LEVEL
360 Health Careers I	1	10-12
361 Health Careers II	2	11-12

high school. Whether you plan to go to a community college, a four-year university, or medical school, taking rigorous high school courses now can help you: improve your chances of getting into the school of your choice, expand your health career opportunities, and dramatically increase your future income.

Included is a college-level Medical Terminology Course- complete with college credit if you pass with 90% or higher. Other topics studied are anatomy and physiology, medical math, growth & development, and communications skills as they relate to healthcare. The Health Careers Shadowing Program will place you in a variety of settings to observe actual healthcare careers. The Shadowing Program is not optional, and can be a valuable tool to assist you in making a decision as to the specific career you would like to pursue.

COURSE CONTENT:

1. Medical Terminology
2. Anatomy & Physiology
3. Effective Communications: written, verbal, listening
4. Human Growth & Development
5. Shadowing Program. Required.

OBJECTIVES:

1. Experience careers in the healthcare field by observation
2. Prepare for post-secondary education in healthcare field
3. Begin to become sensitive to the needs of the patient population
4. Become a more knowledgeable healthcare consumer

COLLEGE CREDIT:

Students who receive a 90% or higher success level in Health Careers II have an opportunity to receive two (2) college tech prep credits through Northland Community and Technical College for HLTH-106 Medical Terminology.

◆ MUSIC ◆

All Courses Meet The Art Graduation Requirement

370 CONCERT BAND

1 CREDIT

Grades: 9-10
Elective

PREREQUISITE:
None

COURSE CONTENT:

Concert Band is open to all 9th and 10th grade students. The band will perform at least three concerts a year and will combine with the Wind Ensemble to produce the Lincoln High School Marching Band and Pep Band.

OBJECTIVE:

The Concert Band will provide the band student with the musical knowledge and experiences necessary to prepare for a lifetime of musical enjoyment as a consumer and/or a performer of music. The Concert Band will prepare and perform many different styles of music at difficulty levels appropriate for the ensemble.

371 WIND ENSEMBLE

2 CREDITS

Grades: 11-12
Elective

PREREQUISITE:
None

COURSE CONTENT:

Wind Ensemble is open to all 11th and 12 grade students. The band will perform at least three concerts a year and will combine with the Concert Band to produce the Lincoln High School Marching Band and Pep Band.

OBJECTIVES:

The Wind Ensemble will provide the band student with the best possible musical challenge and reward. The Wind Ensemble will work to prepare students for a lifetime of musical enjoyment as a consumer and/or performer of music. The Wind Ensemble will prepare and perform many different styles of music at the highest difficulty level attainable by the ensemble.

376 CONCERT CHOIR

2 CREDITS

Grades: 11-12
Elective

PREREQUISITE:
Audition

COURSE CONTENT:

Concert Choir provides students with an opportunity to perform music from various musical periods and styles; sacred, secular, world music, foreign languages, and 20th century music. The choir performs home concerts in the year that are graded. The choir also takes part in a performance tour to a major U.S. city every 2 years where they perform in major performance sites and cathedrals and have the rare opportunity to sing with professional musicians. Opportunities are available for private voice lessons and participation in the vocal jazz group "Swingsations". Singers are graded on sectionals grades, daily and weekly rehearsal grades, and concert grades.

OBJECTIVES:

1. The students will acquire the knowledge needed to successfully perform quality SATB, SSATB, SSAATTBB literature-upper level literature.
2. The students will be able to differentiate between proper and improper choral sounds and choral etiquette.
3. The students will learn to sing successfully with and without accompaniment.
4. The students will have the tools needed to develop a commitment to music and the act of performance.
5. The students will be able to support the musical life of the community and encourage others to do the same.
6. The students will work with professional singers and instrumentalists each year in choir.

380 ORCHESTRA

1 CREDIT

Grades: 9-12
Elective

PREREQUISITE:

Students should have some playing experience, or can be admitted by permission of the director. Violinists provide their own instruments. Violas, cellos and strong basses are available to rent from the district on a very limited basis.

COURSE CONTENT:

Scales and arpeggios, bowing techniques, higher position and shifting. Variety of music at proper educational levels.

MUSIC

COURSE	CREDIT	GRADE LEVEL
370 Concert Band	1	9-10
371 Wind Ensemble	2	11-12
375 Bel Canto Choir	1	9-10
376 Concert Choir	2	11-12
380 Orchestra	1	9-12
880 Music Theory I	1-1/2	11-12
881 Music Theory II	1-1/2	11-12

375 BEL CANTO CHOIR

1 CREDIT

Grades: 9-10
Elective

PREREQUISITE:
None

COURSE CONTENT:

Bel Canto offers students an opportunity to become acquainted with various types of choral literature: sacred, secular, spirituals, folk and world music. Proper vocal skills and techniques are emphasized and reinforced in this choir. Students will participate in choir concerts during the year which are graded as a final. Students will also be involved in mass sectionals prior to concerts. Students are graded on daily rehearsal grades, sectionals grades, and concert grades.

OBJECTIVES:

1. The student will acquire the knowledge needed to successfully perform quality SATB literature.
2. The student will be able to differentiate between proper and improper choral sounds.
3. The student will have the tools needed to develop a commitment to music and the act of performance.
4. The student will acquire basic knowledge of diverse musical styles.
5. The student will acquire the knowledge in vocal health.

OBJECTIVES:

Students are expected to play at their highest level of ability. It is hoped that they will be brought to the point where they can play musically on their own after graduation. As with any team, an orchestra is totally dependent on the individual effort of each member to make the organization a success. It is expected that members of the orchestra will practice as much as they need to succeed on the music at hand. In doing so, they will not only help the group, but more importantly will also improve their own self-image and self-esteem by knowing that they are making a valuable contribution to the art of making music in a group setting.

880 MUSIC THEORY I

1-1/2 CREDITS

Grades: 10-12
Elective

PREREQUISITE:

Student should already be involved in music in some capacity. Teacher approval required.

COURSE CONTENT:

Ever wonder why some songs draw you in and others make you turn away? In Music Theory I, we learn all about the fundamentals of music, including note names, scales, intervals, key signatures, and strategies for writing and harmonizing melodies. We learn the basics of sound production and why some sounds create a more pleasing effect than others. Students will have the opportunity to create their own compositions and arrangements using a variety of means.

881 MUSIC THEORY II

1-1/2 CREDITS

Grades: 11-12
Elective

PREREQUISITE:

Music Theory I or teacher permission.

COURSE CONTENT:

Second year Music Theory students dive into advanced compositional techniques, including the use of seventh chords in a four part structure, secondary dominants, and modulation. This is a project oriented class designed to prepare students for the AP Music Theory Exam and for success in a college level theory course.

◆ FAMILY AND CONSUMER SCIENCE ◆

420 HEALTHY RELATIONSHIPS 1/2 CREDIT

Grades: 9-12

Elective

PREREQUISITES: None

COURSE CONTENT:

Do you want to be successful in the workplace? Do you want to have a stable and secure family life? Do you want to be a better friend? Taking this course will help you to communicate better with others and will teach you how to recognize and differentiate between a healthy and an unhealthy relationship. You will practice conflict resolution and learn to appreciate people who are different from yourself. Topics include family life, healthy relationships, racism and prejudice, conflict resolution and communication skills.

OBJECTIVES:

1. Students will recognize the qualities of healthy and unhealthy relationships and will practice applying this knowledge to real life situations.
2. Students will demonstrate how to make healthy connections with others through conflict resolution and improved communication skills.
3. Students will learn to respect diversity in the classroom and in society as a whole.

425 LIFE SKILLS 1/2 CREDIT

Grades: 9-12

Elective

PREREQUISITE: None

COURSE CONTENT:

Can't wait until you are on your own and in your own apartment? This course will teach you how to survive living on your own. Topics covered include finding a place to live, buying a car, managing resources, using credit wisely, decision making, basic consumer skills, basic nutrition and food preparation skills. You will also develop your own file system to use when you are truly out on your own.

OBJECTIVES:

1. To prepare students for living on their own by practicing basic life skills such as decision making, consumer and money management, interior design, and food preparation skills.
2. Students will develop a filing system for use when they are on their own.

430 CHILD DEVELOPMENT 1/2 CREDIT

Grades: 9-12

Elective

PREREQUISITE: None

COURSE CONTENT:

Thinking about a career that involves working with children? Then this is the class for you! This class will help you understand how to work with and care for children as they grow. You will learn how children develop physically, intellectually, socially and emotionally. Learning about child development will help you prepare for parenthood as well as for careers that include working with children. YES....this is the "baby" class. Each student will spend a weekend caring for a Real Care Baby infant simulator.

OBJECTIVES:

1. Students will gain a better understanding of children, their growth and behaviors, in order for them to become better parents.
2. Students will learn about careers relating to child care and development.
3. Students will learn about the responsibilities of caring for a new born.

440 FOODS I 1/2 CREDIT

Grades: 9-12

Elective

PREREQUISITE: None

COURSE CONTENT:

Do you want to learn how to bake? Foods I is a foundation course for students who wish to develop their cooking and baking skills. Topics will include nutrition, understanding the USDA tools for healthy eating, preparing quick breads, cookies, pasta, eggs, cheese, fruit and pies.

OBJECTIVES:

1. Students will learn and practice basic food preparation skills.
2. Students will learn the importance of nutrition and understand the relationship between their eating habits and physical performance.
3. Students will practice working in groups making decisions, practicing conflict resolution, sharing skills and ideas, and doing their fair share.
4. Students will identify recipes that need to be followed exactly and those that can be modified and personalized easily.

FAMILY AND CONSUMER SCIENCE

COURSE	CREDIT	GRADE LEVEL
420 Healthy Relationships	1/2	9-12
425 Life Skills	1/2	9-12
430 Child Development	1/2	9-12
440 Foods I	1/2	9-12
441 Foods II	1/2	9-12
442 ProStart® I	1	11-12
443 ProStart® II	1	11-12
445 Quilting and Knitting Basics	1/2	9-12
446 Fashion Design	1/2	9-12

441 FOODS II 1/2 CREDIT

Grades: 9-12

Elective

PREREQUISITE: Foods I or teacher approval.

COURSE CONTENT:

Future chef's and great cooks.....This class is for you! This course builds on what was learned in Foods I. The six nutrient classes will be studied in detail. Students will learn how to plan nutritious and satisfying meals. Labs include cake decorating, yeast breads, soups, salads, sandwiches, meats, poultry and more.

OBJECTIVES:

1. Students will analyze their personal eating habits and make recommendations for improvement.
2. Students will improve their food preparation skills.
3. Students will become aware of careers in food science and the food service industry.
4. Students will plan and prepare nutritious and satisfying meals.
5. Students will recognize and respect both the "art" as well as the "science" of food preparation.

Interested in a career in restaurant management or culinary arts?

ProStart® I and II are classes offered by the National Restaurant Association® that will teach you how to prepare and serve different types of food as well as nutrition, marketing, and restaurant management. By taking both classes, working in the food-service industry for 400 hours and passing the national tests, students will earn the National ProStart® Certificate of Achievement. To learn more about this national program, log in to GoProstart.com.

442 PROSTART® I 1 CREDIT

Grades: 11 & 12

Elective

PREREQUISITE: Teacher approval

Text: Foundations of Restaurant Management & Culinary Arts..Level One

COURSE CONTENT:

ProStart I focuses on preparing students for careers in the food service and restaurant industry. Students will practice their culinary skills, learn about food safety and management skills. Students will learn to prepare stocks, sauces, soups, fruits, vegetables, potatoes and grains.

443 PROSTART® II 1 CREDIT

Grades: 11 & 12

Elective

PREREQUISITE: Successful Completion of ProStart® I.

Text: Foundations of Restaurant Management & Culinary Arts..Level Two

COURSE CONTENT:

ProStart II continues preparing students for careers in the food service and restaurant industry. Students will study nutrition, cost control and marketing and will prepare breakfast foods and sandwiches, salads and garnishes, meat, poultry, seafood, desserts and baked goods.

445 QUILTING AND KNITTING BASICS 1/2 CREDITGrades: 9-12
Elective**Partially meets Art graduation requirement.**

PREREQUISITE: None

COURSE CONTENT:

CAUTION: This course may eliminate boredom and may actually change your life! Quilting and Knitting Basics will introduce you to the arts of quilting and knitting. Be prepared to develop a new passion that will provide you with a life-long creative outlet! You will learn about fibers, fabrics, and how to design your own quilting project. Projects will include knitting a scarf and designing and making a small quilt. Students will need to provide their own yarn, fabric, and other supplies.

OBJECTIVES:

The student will:

1. Identify the characteristics of various fibers;
2. Understand how fabrics are made;
3. Design a quilt pattern using the elements and principles of design;
4. Construct a quilted item; and
5. Knit a scarf.

446 FASHION DESIGN 1/2 CREDITGrades: 9-12
Elective**Partially meets Art graduation requirement.**

PREREQUISITE: None

COURSE CONTENT:

Are you intrigued by the world of fashion and fashion design? This course will teach you the basics of Apparel Design and the Textile Industry. You will apply the elements and principles of design when you create and construct your own “designer” bag and as you “upcycle” an existing garment giving it a fresh new look. In this class you will also learn about fibers and fabrics and their different properties, basic sewing skills, how to care for garments, as well as career opportunities in the textiles and apparel industry.

◆ WORLD LANGUAGES ◆

Two credits of world language meet an admission requirement of selected colleges and universities.

476 GERMAN I**1 CREDIT**Grades: 9-12
Elective

PREREQUISITE: None

COURSE CONTENT:

Are you interested in learning a foreign language? Do you want the opportunity to travel to Europe and see castles, beautiful scenery, and medieval towns? Do you enjoy fun, interactive classes? Then German is for you! Throughout the semester we learn how to talk about ourselves, ask questions, describe our families, converse about the weather, discuss our homes, and simulate a shopping experience. We listen to our “song of the week” every day and learn about German language and culture through music, internet scavenger hunts, games, videos, and ePal exchanges. You will impress your friends and family with how quickly you can start speaking German! It is even more like English than you may realize. Freund, for example means friend and Bruder, brother. Study German for two semesters and earn the opportunity to travel on the Lincoln Germany Trip! *Deutsch macht Spaß!*

477 GERMAN II**1 CREDIT**Grades: 9-12
Elective

PREREQUISITE:

German I.

COURSE CONTENT:

You will review and expand the basic structures and communicative skills acquired in German I, focusing on a more specialized vocabulary in situational and communicative activities. We continue many of the methods used in German I, including listening to a daily “song of the week”, participating in internet scavenger hunts, playing games, and speaking with partners. We learn about foods and drinks, stores, restaurants, cities, travel, public transportation, and asking for directions. We will continue learning how to ask and answer questions through class activities and ePal exchanges. We also expand our cultural competence through simulating experiences at a restaurant and in a city. Upon completion of German II, you will have formed a foundational understanding of the language and culture of today’s German-speaking countries. You will also be given the opportunity to sign up for the Lincoln Germany Trip. The University of Minnesota strongly advises taking German III and IV after German II to improve your college placement score, possibly saving time and money in college by testing out of a college level requirement, and possibly obtaining the Minnesota World Language Certificate.

478 GERMAN III**1 CREDIT**Grades: 10-12
Elective

PREREQUISITE:

German II.

COURSE CONTENT:

You will review concepts learned in German 1 and 2 while continuing to study more advanced German language and culture topics. We continue using many of the same methods as in beginning/intermediate German courses, including songs of the week,

WORLD LANGUAGES			
	COURSE	CREDIT	GRADE LEVEL
476	German I	1	9-12
477	German II	1	9-12
478	German III	1	10-12
479	German IV	1	10-12
485	Spanish I	1	9-12
486	Spanish II	1	9-12
487	Spanish III	1	10-12
488	Spanish IV	1	10-12

ePal exchanges, games, internet activities, and conversation practice. We learn through watching a German TV series, films, and YouTube videos about Germany. We expand our language potential by reading authentic German texts. We learn about Fairy Tales (through studying the Brothers Grimm) and historical events throughout the class. In conjunction with review and expansion of advanced grammatical constructions and conversation (excellent preparation for college placement tests), you will gain a deeper appreciation for the history and cultural heritage of the German-speaking countries and Goethe’s observation that “you do not know your own language and culture until you have learned another.”

479 GERMAN IV**1 CREDIT**Grades: 10-12
Elective

PREREQUISITE:

German III.

COURSE CONTENT:

Students will continue to build upon the foundations they have established in German 1, 2, and 3. We continue using many of the same methods as in beginning/intermediate German courses, including songs of the week, ePal exchanges, games, internet activities, and conversation practice. Many of the highlights in German 4 will compare to German 3, though the course is taught on a rotation to ensure that material will not be repeated. We will continue to investigate German language and culture through the use of more authentic texts and videos. Students who complete this course will feel prepared to embark on a trip to Germany, and will be encouraged to attend the Lincoln Germany Trip. You will continue with review and expansion of advanced grammatical constructions and conversation (more excellent preparation for college placement tests), and gain even more appreciation for the history and cultural heritage of the German-speaking countries and Goethe’s observation that “you do not know your own language and culture until you have learned another.”



485 SPANISH I

Grades: 9-12
Elective

PREREQUISITE: None

COURSE CONTENT:

Did you know that of all high school students in the United States who study a world language, 68.7% choose Spanish? (The only other double-digit language is French, with 18.3%.) If, in the future, you want to be in a position to compete and communicate with your peers across the country, then SPANISH is for you! Since the adoption of new teaching materials last year, Spanish I has become a highly-personalized class. All Spanish students have classroom access to laptops on which they access the Spanish SUPERSITE, an on-line component that allows students to control their own learning. With their individual SUPERSITE accounts, students can access virtually all of the instructional material of the course (steaming videos, listening activities, PowerPoint presentations, practice and review activities), in addition to valuable student management tools that provide personal status reports and linked assignments and class announcements.

Spanish I concentrates on exposure to the Spanish language and the nature of language.

1 CREDIT**486 SPANISH II**

Grade: 9-12
Elective

PREREQUISITE: Spanish I.

COURSE CONTENT:

Did you realize that the only high school language offerings that have shown an increase in the past decade are Spanish, Chinese and Arabic? In that time period, most other traditional language programs have been reduced at U.S. high schools. Spanish is currently taught in 92% of all high schools in the country that offer languages.

Spanish II will continue to use the Spanish SUPERSITE, with emphasis shifting to communication in the language.

Successful completion of Spanish II offers new options for the Spanish student. One option might be admission to Spanish 1102, the second semester of College in the High School Spanish. A second option, for highly-motivated students, would be to take the CLEP Spanish exam, which allows students to “test-out” of beginning levels of college Spanish while receiving college credit for their work.

1 CREDIT**487 SPANISH III**

Grade: 10-12
Elective

PREREQUISITE: Spanish II.

COURSE CONTENT:

Are you aware that Spanish is the second language of the United States, with more than 41 million speakers (and bilingual signs at Walmart and other businesses)?

Spanish III will continue to use the Spanish SUPERSITE, with greater concentration in production usage of the language: reports, compositions, and presentations.

Successful completion of Spanish III will virtually assure an easy transition to College Spanish 1102 for qualified students. At this stage, also, success on the CLEP Spanish exam becomes a more viable option.

1 CREDIT**488 SPANISH IV**

Grade: 10-12
Elective

PREREQUISITE: Spanish III.

COURSE CONTENT:

Have you observed that Spanish is the language of our hemisphere? Of the 21 countries in which Spanish is the official language, 20 are in the Americas. An increasing number of employers are asking for, or strongly recommending, a knowledge of Spanish on the part of their employees.

Spanish IV, the last course in the series, will emphasize the study of literature and will incorporate its relationships to history, geography and political considerations. Works studied will come from all genres and will represent the finest of award-winning, Spanish-language literature. A natural companion to these readings will be short compositions and class presentations and projects. Computer usage will continue to be an integral part of this class as students research authors, works, and related topics.

By this level, students who have not attempted the CLEP exam should certainly plan to do so.

1 CREDIT

◆ ENGLISH ◆

The following standards/objectives will be met throughout English Department courses.

WRITING

1. Write in narrative, expository, descriptive, persuasive and critical modes.
2. Engage in a writing process with attention to audience, organization, focus, quality of ideas, and a purpose.
3. Apply standard English conventions when writing.
4. Locate and use information in reference materials.

READING AND LITERATURE

1. Apply a variety of strategies to expand vocabulary.
2. Understand the meaning of informational, expository or persuasive texts, using a variety of strategies and demonstrate literal, interpretive, inferential, and evaluative comprehension.
3. Actively engage in the reading process, and read, understand, respond to, analyze, interpret, evaluate and appreciate a wide variety of fiction, poetic and nonfiction texts.

SPEAKING, LISTENING, VIEWING

1. Critically analyze information found in electronic and print media, and use a variety of these sources to learn about a topic and represent ideas.
2. Demonstrate understanding and communicate effectively through listening and speaking.

501 ENGLISH 9

Grade: 9
Required

English 9 is a literature survey course integrating composition, public speaking, and media literacy. Students will be placed in a specific English 9 Class based on assessment scores. English 9 uses Common Core and ACT aligned curriculum.

1 CREDIT

COMMUNICATIONS

COURSE	CREDIT	GRADE LEVEL
501 English 9	1	9
513 Foundations of Writing	1/2	9
503 English 10	1	10
506 Honors English 10	1	10
507 English 11	1	11
508 English 12	1	12
518 Reading 10	1/2	10
545 Advanced Placement (AP) English	1	11-12
540 Public Speaking	1/2	10-12
550 Creative Writing	1/2	10-11
555 Film Study	1/2	10-12
560 Science Fiction	1/2	10-12
885 Theatre Arts	1/2	10-12

513 FOUNDATIONS OF WRITING

Grade: 9
Required

Students will study the basic skills necessary for academic writing in high school. Using the writing process and the 6 traits of writing, students will demonstrate competency in narrative, expository, and persuasive essays. It will also cover writing across the curriculum as well as writing for high-stakes tests.

1/2 CREDIT

503 ENGLISH 10 1 CREDIT
Grade: 10
Required

English 10 is a literature survey course integrating basic composition, research, public speaking, and media literacy. Students will be placed in a specific English 10 Class based on assessment scores. English 10 uses Common Core and ACT aligned curriculum.

506 HONORS ENGLISH 10
Grade: 10
Required

Honors English 10 is a world literature based survey course integrating basic composition, research, public speaking, and media literacy. Students will be accepted into Honors English 10 based on assessment scores and/or teacher recommendation. English 10 uses Common Core and ACT aligned curriculum.n.

507 ENGLISH 11 1 CREDIT
Grade 11
Required

English 11 has an American Literature emphasis, covering literature from the Colonial period to the present. This course also includes a focus on composition, with students writing descriptive, narrative, and expository essays. Public speaking and media literacy will also be included. English 11 uses Common Core and ACT aligned curriculum.

508 ENGLISH 12 1 CREDIT
Grade: 12
Required

English 12 is a combination of academic and technical reading and writing with an emphasis in British Literature. The course will also include public speaking and multimedia presentations. English 12 uses Common Core and ACT aligned curriculum.

518 READING 10 1 CREDIT
Grade: 12
Required

Prerequisite: Determined not be “college and career” ready in reading or have below average scores on reading assessments.

Course Content: Improve specific reading skills in areas that are identified as below average in order to be considered at or above grade level. Help prepare students for the MCA Reading, ACT Plus Writing, and college assessment tests like the Accuplacer or Compass.

540 PUBLIC SPEAKING 1/2 CREDIT
Grades: 10-12
Elective

PREREQUISITE: None

COURSE CONTENT:

Does public speaking make your stomach clench and your skin go cold? Do you panic at the thought? Public speaking is an essential skill to have in both the workplace and community settings. Learn how to prepare for a variety of speaking situations; how to write, organize, and deliver speeches. You can overcome the fear of public speaking in this fun, informative, and hands-on class. This course is designed for the beginning speaker.

545 ADVANCED PLACEMENT (AP) ENGLISH 1 CREDIT (Weighted Grade)

Grade: 11-12
Required

PREREQUISITE: College Composition or teacher approval

COURSE CONTENT:

Advanced Placement English is offered to students in Grades 11-12 who are academically able, self-motivated, and willing to accept a challenging course of study. The short story, novel, drama, essay, and poetry are used as vehicles to develop the student's thinking and writing skills. One of the goals of the class is to prepare students for the College Board Advanced Placement examination in the spring. Students who successfully pass the test may earn up to one year of college credit in English. The other goal of Advanced Placement English is to prepare students for college level reading and writing.

550 CREATIVE WRITING 1/2 CREDIT
Grades: 10-12
Elective

Partially meets the Art graduation requirement

PREREQUISITE: None

COURSE CONTENT:

This is an opportunity for students to express themselves in the creative writing genres of short story, creative nonfiction, and poetry. Literary elements, craft, and voice will be explored. The student will work on independent writing projects in each genre, including multiple forms in poetry. Each student will create an online portfolio of work. Writing in progress will be discussed and revised in small group workshops.

555 FILM STUDY 1/2 CREDIT
Grades: 10-12
Elective

PREREQUISITE: None

If movies mean more to you than just an evening out with your friends, this could be the class for you. You will learn how to be a film critic as we dissect the genre together as a class. You will also explore the connections between the films' historical, social and cultural issues.

Students will learn the principles of film appreciation and analysis through lecture, readings, and viewing of films and film excerpts. Students will also examine advanced film analysis, including the principles of montage, camera movement, lighting, sound, directing, acting and how artists and the industry have influenced these.

Film Study class will focus on the genres of horror, suspense, and psychological thriller.

560 SCIENCE FICTION 1/2 CREDIT
Grades: 10-12
Elective

PREREQUISITE: None

COURSE CONTENT:

Are you geeking out over the fact that JJ Abrams will be filming the sequels to the Star Wars saga? Have you seen every Alien film, even the wretched Alien vs. Predator? Have you read Ender's Game or I Am Legend? Ten different times each? Do you DVR Sharknado or DinoCroc every time they come on the Sci Fi channel? Then this class is for you.

Science Fiction includes reading, discussing, and analyzing literature in the sci-fi genre. Students will read and discuss science fiction literature ranging from the classic era of sci-fi to popular science fiction published today. Students will also analyze literary elements used in this genre. We will also watch several of the most important films to the genre and analyze them for the elements of genre as well.

Theater classes are offered for students grades 9 – 12. Students can take these classes more than once. While the areas of study remain the same, the time periods and style focus are on a four-year rotation. Students can take theater four years without covering the same material twice.

885 THEATRE ARTS 1/2 CREDIT
Grades: 9-12
Elective

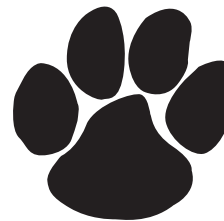
Partially meets the Art graduation requirement

PREREQUISITE:

None

COURSE CONTENT:

Theatre Arts is a class that engages individuals of all abilities through movement, music and drama, empowering students to reach their full potential in theatre arts. This class will offer students the opportunities to learn how scenery, props, and other technical elements are created for theater and other entertainment venues. Students will focus on stage design, costume production and makeup creations. Designed for students of all levels, interests and abilities. Writers, actors, set designers, crew – all creative people are welcome!



◆ MATHEMATICS ◆

To fulfill the requirements for graduation at Lincoln High School and the mathematics standards set forth by the Minnesota Department of Education, students must take at least three credits of math at LHS. In all math classes, students must pass the first quarter of the class to advance to the second quarter.

NWEA and MCA assessment scores will be considered when placing students into math courses. In all courses, placement into a course may be at the discretion of the instructor and/or the department chair.

All math courses at Lincoln High School have the following objectives:

1. Students will demonstrate the ability to apply the concepts discussed in a particular course to situations in everyday life.
2. Students will demonstrate the ability to utilize the graphing calculator, computer software, and other appropriate technology in solving math problems.
3. Students will refine and expand their problem-solving skills.
4. Students will refine their organizational skills.
5. Students will develop multiple ways of communicating mathematically—algebraically, graphically, numerically, and verbally.
6. Students will appreciate the beauty, order, and logic inherent to mathematics.

612 INTERMEDIATE ALGEBRA 1 CREDIT

Grades: 9-12
Required

PREREQUISITE:
None

TEXTBOOK: *Algebra 1, Glencoe*

COURSE CONTENT:

This course continues students' work at algebraic thinking and modeling and introduces them to the mathematical areas of probability, statistics, and data analysis. Topics of the course will include an extension of linear relationships, quadratics, inequalities, simplifying and solving, functions and relations, algebraic extensions, and introductory probability, statistics, and data analysis.

NEXT CLASS IN SEQUENCE: Geometry

625 GEOMETRY 1 CREDIT

Grades: 9-12
Required

PREREQUISITE:
Algebra A at FMS or Intermediate Algebra at LHS

TEXTBOOK: *Geometry, Glencoe*

COURSE CONTENT:

Students will explore the mathematics of shapes, figures, and the visual world around them through the study of geometry. Much emphasis will be placed on the application of geometric ideas in everyday life. Topics of the course will include shapes and transformations, angles and measurement, justification and similarity, trigonometry in triangles, congruent triangles, proof, quadrilaterals, polygons and circles, solids, constructions, and circles.

NEXT CLASS IN SEQUENCE: Algebra 2

MATHEMATICS

COURSE	CREDIT	GRADE LEVEL
611 Algebra I	1	9-11
612 Intermediate Algebra	1	9-12
625 Geometry	1	9-12
634 Consumer Math Applications	1	11-12
635 Algebra 2	1	10-12
640 Functions, Statistics & Trigonometry	1	10-12
645 Precalculus & Discrete Math	1	11-12
650 Calculus I	1	11-12
651 Calculus II	1	11-12
655 College Transition Mathematics	1	12
658 Math 10	1/2	10

634 CONSUMER MATH APPLICATIONS 1 CREDIT

Grades: 11-12
Elective

PREREQUISITE:
Geometry

TEXTBOOK: *Mathematics with Business Applications, Glencoe; Passing the Minnesota MCA in Mathematics, American Book Company*

COURSE CONTENT:

This course will extend the algebraic and geometric ideas studied in previous courses. In addition to problem-solving and application of the main algebraic topics, students will also discuss a variety of consumer math applications. Test-taking tips for the Minnesota Comprehensive Assessment in Math will be an integral part of the course. Topics of the course will include investigations and functions, sequences and exponential functions, transformations of graphs, solving using intersections, inverses, logarithms, polynomial functions, and a variety of consumer math topics.

635 ALGEBRA 2 1 CREDIT

Grades: 10-12
Required

PREREQUISITE:
Geometry

TEXTBOOK: *Algebra 2, Glencoe*

COURSE CONTENT:

This course is a complete "capstone" Algebra II course designed to extend the algebraic and geometric ideas studied in previous courses. The focus of the class will be on problem-solving and application using the concepts discussed in class. Topics of the course will include investigations and functions, sequences and equivalence, exponential functions, transformations of graphs, solving using intersections, inverses, logarithms, polynomial functions, and other algebraic topics as the instructor deems appropriate.

NEXT CLASS IN SEQUENCE: Functions, Statistics, and Trigonometry



640 FUNCTIONS, STATISTICS & TRIGONOMETRY**1 CREDIT**Grades: 10-12
Required/Elective

PREREQUISITE: Algebra 2

TEXTBOOK: *Functions, Statistics, and Trigonometry, UCSMP*

COURSE CONTENT:

This course will extend the ideas developed in the first three years of mathematics at LHS. This course is intended for students who are college-bound. While the emphasis of this course will be on functions, statistics and trigonometry, this course will examine other mathematical concepts. Topics of the course will include trigonometric functions, probability and counting, basic statistics, conic sections, series, non-right-triangle trigonometry, trigonometric identities, exponential and logarithmic functions, and trigonometric modeling.

NEXT CLASS IN SEQUENCE: Precalculus & Discrete Math

645 PRECALCULUS & DISCRETE MATH 1 CREDIT (Weighted Grade)Grades: 11-12
Elective

PREREQUISITE: Functions, Statistics, and Trigonometry

Textbook: *Precalculus and Discrete Mathematics, UCSMP*

COURSE CONTENT:

This course will continue the study and extension of mathematical topics from Math Analysis I. The focus moves away from trigonometry in this course and more toward preparation for calculus, either collegiate or high school calculus. Topics of this course include statistical analysis, one-variable statistics, vectors and trigonometry, limits, polar coordinates and systems, rates of change, conic sections, parametric equations, matrices, and introductory financial math. Students will also transition to advanced mathematics texts, learning how to read and interpret collegiate mathematics texts.

NEXT CLASS IN SEQUENCE: Calculus

650 CALCULUS I 1 CREDIT (Weighted Grade)Grades: 11-12
Required Elective

PREREQUISITE: Precalculus and Discrete Math

TEXTBOOK: *Calculus, Larson*

COURSE CONTENT:

This course continues the study of functions in a variety of forms, but it examines them from the perspective of motion. Calculus is considered one of the greatest intellectual advances of the second millennium. Calculus explains much about our world, and this course will examine those applications of calculus in everyday life. Topics will include function exploration, instantaneous rates, Riemann sums, slope functions, curve analy-

sis, the Fundamental Theorem of Calculus, derivative tools, optimization, related rates, integration tools, separable differential equations, and volumes of revolution. Students have the option of taking the CLEP Calculus test for possible college credit upon the conclusion of this course.

NEXT CLASS IN SEQUENCE: Calculus II

651 CALCULUS II 1 CREDIT (Weighted Grade)Grades: 11-12
Elective

PREREQUISITE: Calculus I

TEXTBOOK: *Calculus, Larson*

COURSE CONTENT:

This course continues the study of calculus beyond that of Calculus I. Topics include volumes of revolution, series, parametric equations, polar equations, vector equations, approximating functions, separable differential equations, and Taylor and Maclaurin polynomials. Students will prepare for the Advanced Placement Calculus BC exam (from the College Board) as a part of this course. This course may be scheduled as independent study at the discretion of the instructor.

655 COLLEGE TRANSITION MATHEMATICS 1 CREDITGrades: 12
Elective

PREREQUISITE: Math Teacher or Counselor Recommendation

COURSE CONTENT:

This course will help seniors transition from high school to either college level math or other post secondary studies. This course is intended for those students who will need mathematics in their college majors and life careers, but who do not necessarily plan to pursue mathematics or science majors or who do not plan to take a math course beyond Algebra 2 at LHS. A variety of topics will be discussed that are applicable to many different careers and majors. This course will utilize the computer and spreadsheet software. In addition to a review of high school mathematics and a preview of the mathematics used in different careers, students will prepare for the AccuPlacer exam, the math placement exam used by the Minnesota State Colleges and Universities system. This course will especially be of benefit to seniors who would otherwise not take a mathematics course their senior year.

658 MATH 10 1/2 CREDITGrades: 10
Elective

PREREQUISITE: Math Teacher or Counselor Recommendation

COURSE CONTENT:

Math 10 is a course that will help bolster students' math skills in preparation for the Minnesota Grade 11 MCA Math test and the national ACT exam. Topics of instruction will be individualized to fit students' needs for math skill development. Results of tests such as the ACT Plan, COMPASS, or MCA may be used to place students in this class, along with math teacher or counselor recommendation.

◆ PHYSICAL EDUCATION ◆

Two credits of Physical Education are required for graduation: PE/Health 9 and 1 credit of 675, 680 and/or 690.

670 HEALTH 1/2 CREDITGrade: 9
Required

PREREQUISITE:

None

COURSE CONTENT:

- Alcohol, Tobacco and Other Drugs
- Bullying
- Injury Prevention / First Aid / CPR / AED
- Human Sexuality and Reproduction
- Nutrition
- Physical, Mental, and Social Health
- STDs / STIs

OBJECTIVES:

Emphasis will be on health as a lifetime value. Students will be encouraged to voluntarily take an active role in protecting, maintaining, and improving their health. Stu-

PHYSICAL EDUCATION

COURSE	CREDIT	GRADE LEVEL
670 Health	1/2	9
671 Physical Education 9	1/2	9
672 Advanced Health & Wellness	1/2	11-12
675 Competitive Sports & Fitness	1/2	10-12
680 TRFitness	1/2	10-12
690 Strength Training Level 1	1/2	10-12
691 Strength Training Level 2	1/2	10-12

dents will develop, practice, and strive to achieve positive lifestyle goals. These health issues will be approached in a way that encourages the student and community to assume responsibility for the promotion of well-being, personal safety, and prevention of disease and disability.

671 PHYSICAL EDUCATION 9**1/2 CREDIT**Grade 9
Required

PREREQUISITE: None

SPECIAL REQUIREMENT:

Dressed for class participation in required LHS Physical Education attire.

COURSE CONTENT:

Students will participate in physical activities to achieve fitness and shall demonstrate an understanding of the training necessary to improve fitness and the rules and skills associated with various physical activities. One day per week will be utilized for personal fitness exercises and/or Prowler Physical Fitness testing. One day per week, students will be working in the weight room with various strength training and/or muscular endurance protocols and programs. The other three days per week will implement team and individual activities, with emphasis on the importance of teamwork, social skills, and personal contribution toward a common goal.

The activities are as follows, but are not limited to:

- Basketball
- Bowling
- Circuit Training
- Dance
- Floor Hockey
- Frolf
- Golf
- Kickball
- Flag Football
- Softball
- Soccer
- Speedball
- Stability Ball Workouts
- Step-ups
- Tae Bo
- Volleyball
- Yoga
- Zumba

The 11 tests associated with Prowler Fitness Testing are:

- Flexed Arm Hang
- Mile Run
- Pacer
- Pro Agility
- Pull-Ups
- Push-Ups
- Sit-Ups
- Sit and Reach
- Vertical Jump
- 40 Yard Dash
- 300 Yard Shuttle

OBJECTIVES:

1. To give each student an opportunity to participate in a program designed to obtain a level of fitness.
2. To give each student an opportunity to participate in activities which will carry over into their leisure activities.
3. To give each student an opportunity to gain knowledge and skills necessary to participate in individual and team activities.
4. To give each student an opportunity to participate in a coeducational activities program.
5. To give each student an opportunity to learn and apply proper skills, techniques, and safety practices while participating in physical education.
6. To give each student an opportunity to develop personal qualities such as self-control, self-confidence, sportsmanship, responsibility, and respect for others, enabling students to work, compete, and participate with others toward common goals.
7. To give each student an opportunity to develop knowledge and practice in selection and care of proper equipment, clothing and additional materials.

671 ADVANCED HEALTH & WELLNESS 1/2 CREDIT

Grades 11-12

Elective

PREREQUISITE: None

SPECIAL REQUIREMENT: Successful completion of HEALTH

COURSE CONTENT:

- Bereavement
- Cancer
- Dating / Sexual Violence
- Current Events
- Drug Abuse/Addiction
- Distracted Driving
- Personal Fitness Components
- Personal Nutrition

OBJECTIVES:

The main focus of this course will be on current events, health advancements, and personal health & wellness. Current events and health issues prevalent in our society will be topics of discussion. Students will also track their BMI, food intake, and activity levels throughout the quarter, as they strive to set healthy eating and exercise habits to carry with them into the future.

675 COMPETITIVE SPORTS & FITNESS 1/2 CREDIT

Grade: 10-12

Elective

PREREQUISITE:

1. Successful completion of 9th grade Physical Education.
2. Recommended students be in a extracurricular activity here at LHS.

COURSE CONTENT:

1. Team sports including physical skills, rules, strategies, score keeping, and etiquette.
2. Examples of some of our activities that we will be doing: Volleyball, Flag Football,

Floor Hockey, Basketball, Soccer, Tennis, Golf, Miniature Golf, Volleyball and Sand Volleyball, Eclipse Ball, Badminton, Pickleball, Curling, Cross Country Skiing, Bowling, Softball, and others as recommended by the class.

3. The social aspects of team membership including communication and conflict resolution
4. Safety
5. Physical fitness training and principles
6. Basic nutrition
7. Basic injury care and prevention
8. Fitness testing and goal setting

680 TRFITNESS**1/2 CREDIT**

Grades: 10-12

Elective

PREREQUISITE: Successful completion of Strength Training

COURSE CONTENT:

CHANGE YOUR BODY - CHANGE YOUR LIFE

This class will be a combination of T25, Jillian Michaels Body Revolution, and P90X 1, 2, & 3 workouts along with TABATA circuit strength training. It's a fitness class therefore we will be doing workouts 3-4 days per week.

The main objective of this program is to maximize both exercise and diet to achieve significant results fast. It is presented in a step-by-step process so your body can fully adjust from the simple to the more challenging routines, and with a complete meal plan prepared, you may just be able to achieve the best results.

The program consists of 3 basic components. These are the workouts themselves, the meal plan, and the bonus tools to help you in achieving your weight loss goals.

The workout program is divided into 3 phases.

Phase 1 is dedicated to low-impact exercises which are meant to promote metabolism, abdominal strength, endurance, and stability.

Phase 2 features a little more dynamic and complex movements for better resistance. This is excellent for focus areas where you want to shape.

Phase 3 is for toning the muscles. These are high-energy workouts but they can be modified to match your fitness level.

The Body Revolution Program also comes with a diet plan wherein Jillian promises to make you lose one jean size in just one week. The Fat Burning Meal Plan which Jillian has also developed aims to provide you with recipes that you can prepare throughout the day from breakfast to snacks, lunch, and dinner.

690 STRENGTH TRAINING LEVEL 1 1/2 CREDIT

Grades: 10-12

Elective

PREREQUISITE:

1. Successful completion of 9th grade Physical Education.

COURSE CONTENT:

1. Learn safe, effective lifting/spotting techniques and training principles.
2. Develop an understanding of related human anatomy and physiology.
3. Create and participate in a positive environment that encourages success.
4. Develop self-confidence and self-discipline.
5. Use goal setting and other sports psychology tools to achieve personal bests.
6. Develop athletic movements by improving overall strength, power, balance, stability and flexibility.

STRENGTH TRAINING PHILOSOPHY: The goal of this class is to provide each student with the fundamental skills, knowledge and training needed to reach their individual fitness goals. The ultimate purpose of weight training and conditioning is to develop "functional strength" which will help you perform your best in your chosen activities and to develop habits which will contribute to lifelong health and fitness.

690 STRENGTH TRAINING LEVEL 2 1/2 CREDIT

Grades: 10-12

Elective

PREREQUISITE:

1. Successful completion of 9th grade Physical Education.
2. Successful completion of Level 1 Strength Training

COURSE CONTENT:

1. Learn safe, effective lifting/spotting techniques and training principles.
2. Develop an understanding of related human anatomy and physiology.
3. Create and participate in a positive environment that encourages success.
4. Develop self-confidence and self-discipline.
5. Use goal setting and other sports psychology tools to achieve personal bests.
6. Develop athletic movements by improving overall strength, power, balance, stability and flexibility.

STRENGTH TRAINING PHILOSOPHY: The goal of this class is to provide each student with the fundamental skills, knowledge and training needed to reach their individual fitness goals. The ultimate purpose of weight training and conditioning is to develop "functional strength" which will help you perform your best in your chosen activities and to develop habits which will contribute to lifelong health and fitness.

◆ SCIENCE ◆

**Three Science credits are required for graduation:
Physical Science, Biology, and Chemistry or Physics.**

700 GENERAL PHYSICAL SCIENCE 1 CREDIT

Grades: 9-10

Required (Students must select either 700 or 701)

PREREQUISITE:

None

COURSE CONTENT:

General Physical Science is a science course for those students interested in technical careers, post-secondary college training or the work force. The physics units of study include: the scientific method, measurement, motion, forces, energy, such as electricity, sound, and light. The principles and processes of chemistry units of study include: matter; compounds and mixtures; chemical formulas and reactions. The principles of Earth and Space science include the theory of plate tectonics, and earth history.

OBJECTIVES:

1. Understanding of the basic concepts, processes and activities of physical science with special emphasis on practical applications.
2. Appreciation of the scientific and technological developments around us.
3. Develop skill in manipulation of laboratory equipment.
4. Understand the Earth is very old and part of a dynamic universe.

701 COLLEGE PREP PHYSICAL SCIENCE 1 CREDIT

Grades: 9

Required (Students must select either 700 or 701)

PREREQUISITE:

It is recommended that 8th grade students have A-B grades in science and math or have science or math teacher recommendation.

COURSE CONTENT:

College Prep Physical Science is a science course for those students interested in a 4-yr. college program or a technical career that requires a significant science background. College Prep Physical Science is developed around the principles and processes of physics. Units of study include: the scientific method, measurement, engineering principles, motion, forces, energy such as: electricity, sound and light. College Prep Physical Science is also developed around the principles and processes of chemistry. Units of study include: matter, atomic structure, the periodic table, chemical bonding, and chemical reactions. The principles of Earth and Space science include the theory of plate tectonics, and earth history.

OBJECTIVES:

1. Understanding of the basic concepts, processes and activities of physics and chemistry.
2. Appreciation of the scientific and technological developments around us.
3. Develop skill in manipulation of laboratory equipment.
4. Understand the Earth is very old and part of a dynamic universe.

710 ASTRONOMY 1/2 CREDIT

Grades: 10-12

PREREQUISITE:

General or College Prep Physical Science

COURSE CONTENT:

The curriculum for Astronomy will be based upon lessons from Starry Night for High School. The lessons will be primarily learned by using simulations from Starry Night planetarium software. This course is activity based with a small number of activities using math skills. We will spend time looking at current space exploration and the history of astronomy. The traditional astronomy concepts will be explained with real world applications used as examples.

Will include the study of:

- | | |
|------------------------------------|-----------------------------------|
| 1. Earth, Moon, and Sun | 6. The Sun as a Star |
| 2. The Solar System | 7. The Stars |
| 3. The Planets | 8. Galaxies and the Universe |
| 4. Asteroids, Comets and Meteors | 9. Space Exploration & Technology |
| 5. Star Finding and Constellations | |

OBJECTIVES:

1. To focus on developing the core concepts of astronomy that all students should know based upon the Minnesota Academic Standards for Science.
2. To relate astronomy to the everyday life of the student.
3. Use various methods of problem solving in astronomy.
4. To develop skill in the use of equipment, technology and techniques of astronomy.

SCIENCE

	COURSE	CREDIT	GRADE LEVEL
700	General Physical Science	1	9-10
701	College Prep Physical Science	1	9
710	Astronomy	1/2	10-12
712	Geology	1/2	10-12
715	Biology	1	9-12
716	College Prep Biology	1	9-12
725	Chemistry	1	10-12
726	College Prep Chemistry	1	10-12
750	Human Anatomy/Physiology	1	11-12
756	Physics	1	11-12

712 GEOLOGY 1/2 CREDIT

Grades: 10-12

PREREQUISITE:

General or College Prep Physical Science

COURSE CONTENT:

Geology is designed for students interested in technical careers, post-secondary college training or the work force. This course is activity based with some activities done outside of the classroom. The traditional geology concepts will be explained with real world applications used as examples.

Will include the study of:

1. Earth's Place in the Universe
2. Maps and Models used in Geology
3. Minerals and Rocks
4. Weathering and Erosion
5. The Rock Record and Earth's Past

OBJECTIVES:

1. To focus on developing the core concepts of geology that all students should know.
2. To relate geology to the everyday life of the student.
3. Use various methods of problem solving in geology.
4. To develop skill in the use of equipment, technology and techniques in geology.
5. Look at careers in geology.

715 GENERAL BIOLOGY 1 CREDIT

Grades: 9-12

PREREQUISITE:

General or College Prep Physical Science

COURSE CONTENT:

This is a class designed for students going into a non-science related field such as business, media, public and personal services. General biology will be aligned with the Minnesota Academic Standards for Life Science. Emphasis will be placed on ecology, ecosystems, cell biology, genetics & inheritance, evolution, and human interactions within living systems.

OBJECTIVES:

Students will have an understanding of:

1. The structure and function in living systems
2. The interdependent among living systems
3. Evolution in living systems
4. Human interactions with living systems



716 COLLEGE PREP BIOLOGY**1 CREDIT**

Grades: 9-12

PREREQUISITE:

General or College Prep Physical Science

It is recommended that students have A-B grades in Physical Science or science teacher recommendation.

COURSE CONTENT:

This course is designed for students pursuing a 4-year college degree, or a science-related career such as health, environmental, or agricultural fields. In this approach to biology organisms are studied using a phylogenetic method. For example, cells will be studied followed by simple organisms, plants, animals and finally man. Themes will include evolution, reproduction, inheritance, development, structure and function, energy relationships, ecology, and science and society.

OBJECTIVES:

Students will have an understanding of:

1. Vocabulary and concepts of biology with application to their life.
2. The principles of scientific research and its applications in research projects.
3. The processes, techniques, methods and equipment available in biology.

725 GENERAL CHEMISTRY**1 CREDIT**

Grades: 10-12

PREREQUISITE:

Algebra I and General or College Prep Physical Science

COURSE CONTENT:

Chemistry is designed for students interested in technical careers, post-secondary college training or the work force. This course is activity based with less emphasis on quantitative exercises. The traditional chemistry concepts will be explained with real world applications used as examples.

Will include the study of:

1. The Science of Matter
2. Matter is Made up of Atoms
3. Introduction of the Periodic Table
4. Formation of Compounds
5. Types of Compounds
6. Chemical Reactions and Equations

OBJECTIVES:

1. To focus on developing the core concepts of chemistry that all students should know.
2. To relate chemistry to the everyday life of the student.
3. Use various methods of problem solving in chemistry.
4. To develop skill in the use of equipment, technology and techniques of a chemistry lab.

726 COLLEGE PREP CHEMISTRY**1 CREDIT**

Grades: 10-12

PREREQUISITE:

Algebra II and General or College Prep Physical Science

COURSE CONTENT:

Chemistry is designed for those students who plan to go to college, or will enter a sci-

ence related course after high school. This course is organized around a central theme: the properties of matter are a consequence of its structure. It is an activity-based theoretical approach to more traditional chemical concepts.

Will include the study of:

1. Matter and the changes it undergoes
2. Atomic structure
3. Periodic table
4. Naming compounds
5. Chemical bonding.
6. The mole
7. Kinetic theory
8. Acids bases and salts
9. Gas laws
10. Chemical reactions
11. Chemical formulas
12. Rates of reaction
13. Introduction to organic chemistry

OBJECTIVES:

1. Practice methods involved in common lab experiments and become acquainted with common lab write-up procedures.
2. Use various methods of problem solving involved in chemistry and every day life.

750 HUMAN ANATOMY & PHYSIOLOGY**1 CREDIT**

Grades: 11 -12

PREREQUISITE:

College Prep or General Biology

COURSE CONTENT:

This course is an introduction to the structure and function of the human body. Labs will include dissections and physiology activities. It is intended for those interested in a medical career or simply wanting to know more about their own body.

OBJECTIVES:

1. Concepts in anatomy and physiology.
2. Skills in dissection and instrumental analysis of systems function.
3. Appreciation of how the healthy body functions.

756 PHYSICS**1 CREDIT**

Grades: 11-12

PREREQUISITE:

Advanced Algebra and General or College Prep Physical Science

COURSE CONTENT:

Concepts of motion, free fall, projectile motion, mechanics (mass, energy, kinetic theory of gases, waves) light and electromagnetism, models of the atom, concepts of modern physics and electricity.

OBJECTIVES:

1. Understand basic concepts of physics
2. Develop skills and uses in labs.
3. Develop use of problem solving.

◆ SPECIAL COURSES ◆

779 ENGLISH LEARNERS EL (ESL)

Grades 9-12

COURSE CONTENT:

This class is designed to assist English learners in gaining the social and academic language needed to be successful in the mainstream classroom. Activities are focused to address the areas of reading, writing, listening, and speaking. Students must have a first language that is not English.

Classes offered include EL, EL-Reading, EL-Writing, and EL-Resource.

780 VISION RESOURCES

Grades 9-12

COURSE CONTENT:

Vision Resource is a class for students who meet the state and federal guidelines for students who are Blind or have Low Vision. Students receive education and services designed to meet their specific and individual needs.

SPECIAL COURSES

COURSE	CREDIT	GRADE LEVEL
779 English Learners EL (ESL)	2	9-12
780 Vision Resources	2	9-12



◆ SOCIAL STUDIES ◆

Three and one half credits of Social Studies are required for graduation: Civics, American History, Economics, World Geography and World History.

800 CIVICS 1 CREDIT
Grade: 9
Required

PREREQUISITE:
None.

COURSE CONTENT:
This course deals with the relationship between individual citizens and their government, the rights and responsibilities of U.S. citizens; the structure of local, state and national government; civil, criminal, and juvenile law, and career exploration.

- OBJECTIVES:
1. Students will learn the ideals and values of American society and how they are reflected in various American institutions.
 2. Students will learn how our government was formed by the Constitution, including the structure and power of the three branches of local, state and national government.
 3. Students will learn the rights and responsibilities of U.S. citizenship.
 4. Students will learn how they can influence government through elections and other means.
 5. Students will learn the roles played by citizens, police and courts in the civil, criminal and juvenile justice systems.
 6. Students will learn the skills necessary to successfully interview for a job.
 7. Students will complete an in-depth research project on a career of their choice.
 8. Students will study major current events.

805 AMERICAN HISTORY 1 CREDIT
Grades: 10-11
Required. Students must take 805 or 806

PREREQUISITE:
None

COURSE CONTENT:
The intent of this history course is to cover the scope of American History from early colonization to the present. The following themes will be covered: Culture; help students understand similarities and differences within groups of people. Time, Continuity, and Change; the student will be knowledgeable about what things were like in the past and how things change and develop over time. People, Places, and Environments; will help students as they create their spatial views and geographic perspectives of the world. Global Connections; students will investigate relationships among the different cultures of the world.

- OBJECTIVES:
One of our main goals is to encourage our students to preserve the vitality of our democracy with by learning about the past. The students should have an understanding of what the importance of learning about their heritage and hopefully will be motivated to enjoy learning history as well as preparing them with skills and knowledge to prepare for their future. The hope is to help them become a better citizen. The course will focus on active learning through the use of primary sources, and the use of technology—maps, video presentations, humor, and community resources.

810 COMMUNITY ACTION PROGRAM (CAP) 1 CREDIT

Grades: 10-12
Elective

PREREQUISITE:
None

COURSE CONTENT:
Students in CAP spend four days a week helping at a community agency and one day in the classroom. CAP students will gain practical experience serving the needs of elementary students, the elderly, or handicapped individuals. This course would be especially useful for students interested in social service as a career.

- OBJECTIVES:
1. Students will be provided with hands-on experience where they can learn and refine skills in problem-solving, cooperating with others, and helping people with special needs.
 2. Students will be provided structured time to think, discuss, and write about insights

SOCIAL STUDIES		
COURSE	CREDIT	GRADE LEVEL
800 Civics	1	9
805 American History	1	10-11
810 Community Action Prg. (CAP)	1	10-12
811 AP American History	1-1/2	10-12
815 AP Human Geography	1	11-12
816 World Geography	1/2	11-12
820 World History	1/2	11-12
824 Economics	1/2	11-12
840 U.S. Government	1/2	10-12
845 Psychology	1	11-12

- and learning before, during, and after the service activity.
3. Students will be involved in a leadership role requiring self-generating and productive activity by helping meet community needs, thereby fostering in students a sense of community.

811 ADVANCED PLACEMENT (AP) AMERICAN HISTORY 1 1/2 CREDIT (Weighted Grade)

Grade: 10-12
Required: Students must take 805 or 806

PREREQUISITE:
None

COURSE CONTENT:
Advanced Placement American History is offered to students who are academically able, self-motivated, and willing to accept the increased workload a class like this involves. AP courses are designed to help with the transition into college. A major focus of the class will be to prepare students for the College Board Advanced Placement exam in May. Students who successfully pass the AP exam may earn up to two semesters of college credit in American History. This course will cover American History topics from 1492-present Topics include: European Colonization, the American Revolution, the U.S. Constitution, the Emerging Nation, Foreign Affairs from 1812-1850's, Jacksonian Democracy and the Age of Reform, the Civil War and Reconstruction, the Industrial Era, Post Civil War Politics and the Populists, the Progressive Era, World War I, the 1920's, the Great Depression, the New Deals, World War II, U.S. Domestic Affairs from 1945-present, and Foreign Affairs from 1945-present.

All juniors or seniors must take 815/816, 820, 824.

815 AP HUMAN GEOGRAPHY 1 CREDIT (Weighted Grade)

Grades: 11-12
Elective

PREREQUISITE:
None

COURSE CONTENT:
The topics and material for this one semester course are developed based upon the interrelated units of study described in the AP Human Geography Course Description booklet provided by the College Board. As stated in the College Board's description of AP Human Geography, each student, upon completion of this course should be able to:

- OBJECTIVES:
1. Use and think about maps and spatial data
 2. Understand and interpret the implications of associations among phenomena in places
 3. Recognize and interpret at different scales the relationships among patterns and processes
 4. Define regions and evaluate the regionalization process
 5. Characterize and analyze changing interconnections among people and places

816 WORLD GEOGRAPHY**1/2 CREDIT**

Grades: 11-12

Required

PREREQUISITE:

None

COURSE CONTENT:

Global map work encompassing each of the seven continents. This class will study the major elements of geography, such as site and situation, culture, physical processes that shape the earth and economics in geography, as it relates to the major culture groups of the world.

OBJECTIVES:

1. Will learn all major physical features of the continents studied.
2. Will learn major world placenames, including countries, capitals, land forms and water bodies.
3. Will learn causes and effects of migration.
4. Will learn earth -human relationships.
5. Will come to an understanding of and be able to compare the complexity of life with the people of this world.

820 WORLD HISTORY**1/2 CREDIT**

Grades: 11-12

Required

PREREQUISITE:

None

COURSE CONTENT:

This course will develop an insight to man's environment from pre-civilization to the present day, including these periods' Development of Civilizations, Beginning of agriculture and Foundations of Civilization. Ancient empires of the Near East; The Nile Civilizations; Modern Civilizations of the Greeks, Romans, Persians and Muslims. We will also focus on the world that arose after the decline of the Roman Empire focusing on events during Medieval Europe and the Rise of Christianity. The course will develop the history, government, economy, and culture of the above historical periods.

OBJECTIVES:

2. Students will participate in classroom discussions and written assessments' on assigned topics .
3. Students will keep notebook of all assignments.
4. Students will study the geography of each interest area.
5. Students will obtain knowledge of our world history up to the 1300s.

824 ECONOMICS**1/2 CREDIT**

Grades: 11-12

Required

PREREQUISITE:

None

COURSE CONTENT:

Economics is the study of how people seek to satisfy their needs and wants by making

choices. This course is an introduction to the basic principles of economics. You won't become an economist by successfully completing this course, but will be better prepared to understand economic decision making. You might also find that you like the subject, the approach of economics, and decide to take more courses in the future.

OBJECTIVES:

Students will be able to:

1. Identify economic problems, alternatives, benefits, and costs.
2. Analyze the incentives at work in an economic situation.
3. Examine the consequences of changes in economic conditions and public policies.
4. Collect and organize economic evidence.
5. Compare benefits with costs.
6. Reason logically in thinking about key economic issues.
7. Know a limited number of key facts, such as the size of the economy and the current rates of unemployment, inflation, and interest.
8. Understand that economists hold differing views on some economic issues, such as the role of government in a market economy and how and when the federal government should try to fight unemployment and inflation..

840 U.S. GOVERNMENT**1/2 CREDIT**

Grade: 10-12

Elective

PREREQUISITE:

None

COURSE CONTENT:

Study the structure and working of the U.S. Government (legislative, executive, and judicial branches), with a unit on the United Nations. Will also focus on elections, voting, and political parties with a special emphasis on Presidential elections. Mock elections and surveys will be a part of the class as well. Includes a unit on either income taxes or insurance.

OBJECTIVES:

1. Students will take notes.
2. Students will discuss
3. Students will read and evaluate on the subject.

845 PSYCHOLOGY**1 CREDIT**

Grade: 11-12

Elective

PREREQUISITE:

None

COURSE CONTENT:

General Psychology is a course designed to introduce students to the scientific study of human behavior. The course introduces the problems, methods, and findings of modern psychology to beginning students. Students will learn core principles of psychology, conduct experiments, and explore a variety of psychological theories.



◆ VOCATIONAL ◆

816 Intro to Tech

Grades: 11-12
Elective

1/2 CREDIT

PREREQUISITE:
None

COURSE CONTENT:

This survey course is designed to introduce high school students to a variety of technical careers. Students will progress through five hands-on units which feature concepts in workplace safety, automotive service, auto body collision, welding, and electronics technology.

OBJECTIVES:

1. Determine what OSHA does (Safety)
2. Identify responsibilities of employee and employer (Safety)
3. Fill out an incident report (Safety)
4. Identify different citations and financial repercussions related to each (Safety)
5. Demonstrate standard safety practices and procedures in the classroom and lab as required by the automotive industry. (AUMO)
6. Demonstrate professional workplace habits including punctuality, attitudes, behaviors, and craftsmanship expected of the automotive industry. (AUMO)
7. Apply geometric principals. (AUMO)

VOCATIONAL		
COURSE	CREDIT	GRADE LEVEL
902 Intro to Tech	2	11-12

8. Identify shop safety and present environment hazards (AUBO)
9. Present job overview; identify task specific tools, products, and application; demonstrate featheredging and minor sheet metal repairs. (AUBO)
10. Identify refinishing products and tools; demonstrate surface preparation, masking and taping for overspray; identify/ demonstrate paint gun operation and application; and identify final detail and inspection (AUBO)
11. Solder and desolder components on electronic circuit boards (ETAS)
12. Define Ohm's law and use it to solve for resistance, current, and voltage in electrical circuits(ETAS)
13. Write and debug basic micro-controller programs to read input and control output-devices. (ETAS)
14. Demonstrate ability to set up a GMAW machine (WELD)
15. Perform fillet and groove welds in multiple positions (WELD)
16. Trouble-shoot and correct common weld defects related to GMAW (WELD)

REF





Post-Secondary Enrollment Options



The Post Secondary Enrollment Options Program (PSEO) provides an opportunity for juniors and seniors to take classes at eligible post secondary institutions. These institutions include community colleges, technical colleges, state universities, the University of Minnesota and its branches, and some private colleges and universities.

Students must be admitted by the post secondary institution, which may have special entrance requirements which must be met before courses can be taken there.

Requirements at Northland Community and Technical College:

- Juniors must rank in the top one third or higher of their LHS class to be eligible to enroll in general academic courses.
- Seniors must rank in the top half or higher in their LHS class.
- There is no class rank requirement to be eligible to enroll in technical programs at NCTC listed below under “Technical Program Choices”.
- An assessment in reading and math must be taken by all students planning to enroll under PSEO. Students who wish to take courses in the academic division must score at a certain level in any areas which directly relate to those courses (e.g. they must pass the reading and writing assessments before taking an English class).

NCTC FALL CLASSES WILL BEGIN ON AUGUST 25, 2015

OBJECTIVES:

The purpose of the program is to promote rigorous academic pursuits and to provide a wider variety of options to high school students.

Students:

1. Have the opportunity to take courses that may not be offered by their high school.
2. Have a chance to experience post secondary education first hand.
3. Can take classes which academically challenge them or which cover areas of particular interest to them.
4. Can earn high school credits for post secondary courses, with the opportunity to receive post secondary credit after leaving high school.

CREDIT BY ASSESSMENT POLICY

The Thief River Falls School District #564 recognizes that students have the right to receive credit for demonstrated achievement and mastery of course outcomes and objectives and may apply for Credit by Assessment. Credit for courses will be determined at the time of application. Students who apply for this process must agree to abide by the procedures which are available upon request in the Counseling Office.

DECIDING TO PARTICIPATE

Before students decide to participate in the PSEO program, they and their parents should consider these points:

- **Future Plans** - If you plan well, this program can assist you in making future education and career decisions and in exploring post secondary education.
- **High School Graduation** - If you participate in this program, **you still must meet your high school graduation requirements in order to earn a high school diploma.** Review the requirements and your standing with your high school counselor. Make sure that the number and types of courses you take will meet local graduation requirements. You should keep in mind that the grades you earn in post secondary courses affect your grade point average, and may affect eligibility to graduate.
- **Scheduling** - Participating in this program on a part time basis means that you must schedule classes at your high school and at a post secondary institution. Yearly schedules and vacation times usually are different between the two. It may be difficult or impossible to take the courses you want at both schools because of scheduling conflicts.
- **College Level Work** - You may find college level classes to be more accelerated and academically challenging than high school courses. You need to be able to work without supervision and have self-discipline both academically and socially. Be sure you are ready for these responsibilities.
- **Transportation** - If you attend classes at both the high school and post secondary institution, you need to think about transportation between the two schools. You are responsible to make arrangements to get to classes on time.
- **Extracurricular Activities** - If you take part in this program, you will not be in the high school full time and might miss out on participating in some high school activities.

TECHNICAL PROGRAM CHOICES

NCTC offers a variety of technical programs which are available under the Post Secondary Enrollment Options Program. To qualify, students must have earned, or be projected to earn, a minimum of 16 LHS credits; AND they must have a good record of school attendance.

Programs which have made arrangements for LHS students to take their courses in an afternoon block of time are: Auto Body Collision, Auto Service and Welding.

All specific arrangements to participate in the Post Secondary Enrollment Options Program must be completed through the Lincoln High School Counseling Office. Contact Bill Stock or Shelley Cervantes at 681-8672 for further information.



Activities Outside of Classes Available at Lincoln



BAND This is taken for credit with various performances throughout the year. Pep Band, Jazz Band and Solo/Ensemble competition are options for students.

BASEBALL Varsity, junior varsity for boys. *(Spring Sport)*

BASKETBALL Varsity, junior varsity and freshmen teams for both boys and girls. *(Winter Sport)*

BUSINESS/INVESTMENT CLUB Promotes business awareness and options for investment.

CHOIR This is taken for credit and has several performances during the year including a musical production. Jazz/Swingsations and solo-ensemble competition are options for students.

CLASS OFFICERS Elected by classmates to lead each grade.

CLAY TARGET LEAGUE Students can participate in clay target league. What better way to have kids learn gun safety than through school. Participants will use their person ashotguns as they aim for airborne clay targets, an activity that “has burst onto the scene” in Minnesota over the past five years.

CLOSE-UP Week long learning experience in Washington, D.C. Fund raising a part of process. Open to juniors and seniors. *(Spring Trip)*

CROSS COUNTRY Varsity and junior varsity teams for boys and girls. *(Fall Sport)*

DRAMA CLUB Open to grades 9-12 interested in any aspect of theatre for fun and learning experiences.

ENVIROTHON This club combines a hands-on environmental education in a competition setting which involves problem-solving presentations as well as written field tests. The competition tests students on five core subjects- aquatic ecology, forestry, soils and land use, wildlife- along with a fifth annually-changing subtopic which focuses on relevant environmental issues.

FALL PLAY Open to all students interested in dramatics. Usually three acts.

FFA Open to grades 9-12 interested in the field of agriculture, food, and natural resources. Students will have an opportunity to compete in contests, a chance to attend state and national conventions, participate in community service projects and have a lot of fun.

FIGURE SKATING CLUB Students have the opportunity to compete individually and/or as part of a synchronized skating team.

FOOTBALL Varsity, junior varsity, and freshmen teams. *(Fall Sport)*

GOLF Varsity and junior varsity teams for boys and girls. *(Spring Sport)*

HOCKEY Varsity and junior varsity teams for boys and girls. *(Winter Sport)*

INTERNATIONAL TRAVEL Open to students of German and Spanish interested in traveling abroad.

KEY CLUB Students who are willing to serve people in our school and community. Sponsored by local Kiwanis Club.

KNOWLEDGE BOWL Open to grades 9-12 interested in competing with other schools on variety of academic subjects.

MATH LEAGUE Promotes math through competition with other schools. Open to grades 9-12.

NATIONAL HONOR SOCIETY Organization to encourage and recognize academic achievement, character, service and leadership characteristics. Applications accepted in fall from juniors and seniors with 3.5 cum GPA.

ORCHESTRA This is taken for credit and accompanies the Concert Choir during the Spring Musical. Chamber Orchestra and solo-ensemble competition options for students.

ROBOTICS is an after school activity that involves planning, building and competing with a robot. The competition is in early April with the planning and building during late January and February. The objective of the competition changes yearly, so the robot must be built accordingly.

SCIENCE FAIR Open to grades 9-12. Opportunity to competitively explore the scientific method.

SOFTBALL Varsity and junior varsity teams for girls. *(Spring Sport)*

SPEECH Open to grades 9-12 interested in competitive speech activities. Attend speech tournaments in winter/spring.

SPRING PLAY Open to all students interested in dramatics.

STUDENT COUNCIL Elected position by classmates to represent entire student body.

SWIMMING Girls’ team participates in the fall. Boys’ team swims in the winter season.

TENNIS Girls play in the fall. Boys play in the spring in this sport.

TRACK Varsity boys’ and girls’ teams. *(Spring Sport)*

VOLLEYBALL Varsity, junior varsity and freshmen teams for girls. *(Fall Sport)*

WRESTLING Varsity and junior varsity teams for boys. *(Winter Sport)*

YEARBOOK Open to energetic, creative people willing to produce the yearbook.