

# **North Linn**

## **Course Description**

### **Booklet**

## **REGISTRATION NOTE TO STUDENTS**

Discuss the information in this book with your parents. Prepare and evaluate a tentative schedule using your 4-year plan. Students will register online for courses in the spring of each year. Every attempt will be made to meet your course selections with the understanding that other factors such as teacher load and course enrollment also determine what courses will be taught.

Take your registration seriously. **DON'T ENROLL IN A COURSE SIMPLY BECAUSE YOUR BEST FRIEND ENROLLS IN A CLASS.** Your personal goals may be significantly different than his/hers. All elective courses need to have a minimum of five students enrolled in the course and an available instructor in order to be taught. Courses required by the North-Linn Board of Education and State Department of Public Instruction will not be offered and taught with less than five students enrolled.

Use your parents, counselor, principal, and teachers as resource people to help you make your choices. They can help you make decisions about the future. They also can answer questions you have about courses and how they might benefit your future career.

## **ACADEMIC SUBJECT ENROLLMENT**

All students are required to enroll in at least five academic classes per semester. (Physical education is not an academic course.)

## **CREDITS REQUIRED FOR GRADUATION**

A minimum of 48 credits are required for all graduating seniors. Refer to Board Policy #505.5.

A student must have completed all requirements to participate in commencement. Refer to Board Policy #505.7

Graduation requirements for special education students will be in accordance with the prescribed course of study as described in their Individual Education Program (IEP). Prior to the special education student's graduation, the IEP team shall determine whether the graduation requirements have been met. Refer to Board Policy #505.5.

## **GRADUATION REQUIREMENTS**

In order for a student to receive a North-Linn Credit, he/she must satisfactorily complete a course that meets five days a week for eighteen weeks or one semester. A North-Linn CREDIT is equivalent to ONE-HALF of an Iowa Department of Education UNIT OF CREDIT or ½ of a Carnegie unit. One Carnegie unit requires completion of a course that meets five days a week for thirty-six weeks or two semesters.

Credit will be granted towards graduation for the student if the grade earned is a "D-" or higher in a course. Credit will not be granted towards graduation for the individual if the grade of "F" is earned.

Required courses which are not completed successfully (grade of “F”) must be retaken for successful completion and credit towards graduation.

All North-Linn students are required to have a 4 year high school plan using an approved career planning system. Code 505.5

## **GRADUATION REQUIREMENTS**

Students must successfully complete the courses required by the board and the Iowa Department of Education in order to graduate.

It shall be the responsibility of the superintendent to ensure students complete grades one through twelve and that high school students complete **48** credits prior to graduation. The following credits will be required:

Starting with the Class of 2020 all students will have the following requirements:

Language Arts	8 credits
Mathematics	6 credits
Science	6 credits
Social Studies	6 credits
Health	1 credit
Financial Literacy	1 credit
Physical Education	4 credits
Electives	16 credits

The required courses of study will be reviewed by the board annually.

Graduation requirements for special education students will be in accordance with the prescribed course of study as described in their Individual Education Program (IEP). Prior to the special education student’s graduation, the IEP team shall determine whether the graduation requirements have been met.

Legal Reference: Iowa Code 256.11, .11A; 279.8; 280.3, .14 (1995).  
281 I.A.C. 12.2; .3(7);.5; 41.10(9).

Cross Reference: 505 Student Scholastic Achievements  
603.3 Special Education

Approved 4/19/06 Reviewed \_\_\_\_\_ Revised \_\_\_\_\_

Board Policy North-Linn Community School District

**12.5(20)** Cardiopulmonary resuscitation course completion requirements: Subject to the provisions of sub-rule 12.5(6), at any time prior to the end of twelfth grade, every pupil physically able to do so shall

have completed a psychomotor course taught by a person certified to teach a course that leads to certification in CPR. (Beginning with 2012 graduates)

## **Iowa Core Curriculum Vision Statement**

"Every North-Linn student will learn the essential concepts and skills that will enable them to reach their personal goals and prepare them for life in the 21st century. In doing so, students shall become compassionate, intelligent, productive and well-adjusted world citizens who have sound moral standards, respect for human dignity, and proper regard for human and natural resources."

### **SCIENCE COURSES INCLUDE:**

Physical Science (lab)  
Biology (lab)  
Chemistry (lab)  
AP Biology (lab)  
AP Chemistry (lab)  
Environmental Science  
Anatomy & Physiology (lab)  
Physics (lab)  
Robotics  
Principles of Agriculture Science (beg. with the class of 2022)

### **MATHEMATICS COURSES INCLUDED:**

Algebra I  
Algebra II  
AP Calculus  
Business Math  
General Math  
Geometry  
Pre-Calculus  
Statistics

## SCHEDULE OF CREDITS

### SPECIFICALLY REQUIRED COURSES (31 CREDITS)

AMERICAN GOVERNMENT	One credit (12 <sup>th</sup> grade or 11 <sup>th</sup> grade with approval)
AMERICAN HISTORY	Two credits (10 <sup>th</sup> grade)
GEOGRAPHY	One credit (9 <sup>th</sup> grade)
ELECTIVE SOCIAL STUDIES	Two credits
LANGUAGE ARTS	Eight credits (Eng. 9, Eng. 10, & 4 elective credits)
HEALTH I	One credit (9 <sup>th</sup> grade)
FINANCIAL LITERACY	One credit (9-12 grade)
MATHEMATICS	Six credits (four credits must be completed by end of the student's sophomore year)
PHYSICAL EDUCATION	Four credits (1 credit per year)
PHYSICAL SCIENCE	Two credits (9 <sup>th</sup> grade)
BIOLOGY	Two credits (10 <sup>th</sup> grade)
ELECTIVE SCIENCE	Two credits (11 <sup>th</sup> grade)
ELECTIVES	Sixteen Credits
Non-required and/or part-time course	
DRIVER EDUCATION	½ credit

It is the student's responsibility to bring documentation of successful completion of driver's education in order to receive credit.

***It is the Student's Responsibility to review his/her credit status and to arrange, with the counselor, plans to resolve any credit deficiencies that may exist. Those plans will need approval of both the counselor and principal.***

## RECOMMENDED COURSES FOR COLLEGE

It is recommended that students interested in a four year college take a **minimum** of:

4 years of English (including one year of writing)

- 3 years of Math (Algebra I, Geometry, and Algebra II or higher)
- 3 years of Science (In most cases Chemistry and/or Physics is required)
- 3 ½ years of Social Studies
- 3 years of a foreign language (some require 2 years to enter with additional years to graduate)

These recommendations are for general college entrance. For some college majors, a student should have more than the above-recommended courses. Students and parents should check with the college admissions office or the school counselor to find out what the best preparation is for the student's intended field of study and the college or university they plan to attend.

### **COURSE AND SECTION CHANGE/DROP RESTRICTIONS**

Required courses must be taken, initially, the year specified under the section "Course Offerings".

Students will need to obtain permission from the instructor, counselor, and principal prior to changing sections. The Counselor and Principal will have the right of assignment concerning student placement in multiple section courses.

Students may drop courses and enroll in other courses, with the approval of the principal, counselor, and instructors involved, only during the first three school days at the start of each semester.

The reason for adding or dropping courses could include inappropriate placement in the course and/or other educationally related reasons. When courses are added or dropped approval must be granted by the Counselor or Principal.

### **ELIGIBILITY – ACADEMIC**

Refer to the student handbook.

## PROPOSITION 48

Students who plan to be involved in Division I or II level college athletics should be aware of the NCAA and NAIA regulations in this area. All courses must be approved by the NCAA and/or NAIA.

For more information or questions about NCAA and NAIA requirements:

See the School Counselor

NCAA Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

NCAA Eligibility Center Customer Service at 877/262-1492

NAIA at [www.naia.org](http://www.naia.org)

## REGENTS ADMISSION INDEX

To be guaranteed automatic admission, students must have the subject-matter background required by UNI, ISU, or U of Iowa, and score at least 245 points on the regents admission index.

**Students who score below 245 will still be considered for admission. The index score is not a final determination of enrollment. Students who score under 245 are encouraged to apply and their applications will be reviewed on an individual basis.**

## FEE PAYMENT

Please check with our current Student Handbook and the North-Linn Business Office for the most current information concerning fees for courses.

## INDEPENDENT STUDY ENROLLMENT

Students wishing to sign-up for Independent Study classes and not needing to make up credit must have consent of both teacher and administration. The administration may rule upon individual cases as necessary.

## CONCURRENT ENROLLMENT OPTION

Students in high school will be eligible for the Concurrent Enrollment Options Act. The following factors shall also be considered in the reimbursement of tuition and in the Board's determination of

whether a student will receive high school credit for a course at a post-secondary educational institution:

The course must be taught at a public or accredited private institution: **a comparable course is not offered in the school district**; the course must be an accredited course at a postsecondary institution; the course is not religious or sectarian. ***Additionally: Students must be proficient in math, science, and reading according to Standard scores in order to take concurrent enrollment classes.*** Colleges also have the option of adding additional benchmarks which must be met in order to take a college level course. Currently, students are required to have specific scores on the Accuplacer test or ACT.

Prior to taking a course at a post-secondary educational institution, students must obtain approval of the counselor and principal in order to receive credit toward graduation requirements.

The Board shall retain the authority to determine the definition of a part-time student eligible to participate in post-secondary enrollment.

Students will be granted one North-Linn credit for each three hour Post-Secondary semester course successfully completed. High School credit is determined by the credit hours and seat time.

Students must be enrolled as full time students. This would be considered as at least four academic courses (a college course would be considered the 5<sup>th</sup> class) plus P.E. at North Linn.

The grade earned in a college class will be figured into the student's grade point at North Linn.

Students will not be able to use Concurrent Enrollment to gain credits for classes failed at North-Linn.

**Only semester grades, not quarter grades will be recorded at North Linn.**

**Students will only be allowed to drop a Concurrent Enrollment Course during the first five days of the course.**

Students should contact the counselor or principal for more information concerning the Concurrent Enrollment Options Act.

Please refer to Board Policy #604.6

### **Additional Opportunities to Earn College Credit while attending North-Linn**



Concurrent Courses earn Kirkwood College Credit and high school credit. The letter grade students receive is entered into their college and high school GPA and transcripts. Students taking Concurrent courses will have an active transcript with Kirkwood.

The transcript can be transferable to other colleges, with the understanding that individual colleges can elect to accept these courses or not. Colleges/universities are constantly updating and changing their curriculum and requirements. It is an excellent idea to verify how and what courses are and are not acceptable. Students and/or parents should contact the student's college of choice to clarify if and how the college will accept Kirkwood Community College credits.

**The following North-Linn courses receive Concurrent credit through Kirkwood Community College:**

- Architecture Plans & Specs
- Architectural Modeling
- Precision Farming Systems
- Programming for the Web
- How College Works
- Information Computing
- Emerging Technology Trends

**Linn Regional Center**

**What is a Career Academy?**

Career Academies are college courses set up specifically for high school students. Students travel to 1770 Boyson Road in Hiawatha to take a group of courses in a specific field of interest. (These courses are set up to be taken at the beginning of each day or in the afternoon of each day for the entire school year.) Most academies offer two college classes each semester, for a total of four or more college courses in one school year. Students earn both high school and college credit at NO COST to their families, and more importantly, explore specific career fields to help them make important decisions about their future. In many cases career academies allow high school students a jump start on an applied science diploma, degree or technical certificate at Kirkwood.

**Career Academies Offered  
Linn Regional Center  
2024-2025**

The links below will take you to additional information on the upcoming academy offerings

[High School Academies at Linn Regional](#) (List subject to change)

\*Academy offerings are determined by the number of interested students, so all academies might not be offered every year.

**ADVANCED PLACEMENT COURSES OFFERED AT NORTH-LINN HIGH SCHOOL**

AP BIOLOGY \*  
AP CALCULUS \*

**EARNING AP COLLEGE CREDIT OR PLACEMENT**

With qualifying AP Exam grades, you can earn credit, placement, or both at more than 90 percent of colleges and universities in the United States and Canada. Individual colleges and universities, not the College Board or the AP Program, grant course credit and placement. You should obtain a college's AP policy in writing. You can find this information in the institution's catalog or on its Web site, or by using the AP Credit Policy Info search at: [www.collegeboard.com/ap/creditpolicy](http://www.collegeboard.com/ap/creditpolicy)

Your AP Exam grade is a weighted combination of your scores on the multiple-choice section and on the free-response section. The final grade is reported on a 5-point scale:

- 5 = extremely well qualified
- 4 = well qualified
- 3 = qualified
- 2 = possibly qualified
- 1 = no recommendation

The AP Program conducts studies in all AP subjects to compare the performance of AP students with that of college students in comparable college courses. These studies help set the "cut points" that determine how AP students' composite scores are translated into an AP grade of 1 to 5. AP Exam grades of 5 are equivalent to A grades in the corresponding college course. AP Exam grades of 4 are equivalent to grades of A-, B+, and B in college. AP Exam grades of 3 are equivalent to grades of B-, C+, and C in college. You control which colleges (if any) receive your AP Exam grades.

**EARLY GRADUATION REQUIREMENTS**

Early graduation is addressed by Board Policy 505.6. Students must have approval of the Board of Education and obtain a recommendation by the Superintendent or Principal.

In order to graduate at mid-year a student must meet these requirements:

1. Must have completed all graduation requirements by the end of the fall semester.
2. Must submit a written letter of request for early graduation to the principal, signed by both the student and parents/guardians. This written request must be submitted not later than December 1<sup>st</sup> of their senior year.
3. Must turn in all books and other equipment and pay all fines or fees.

There will be no mid-year graduation ceremony. Students who elect to graduate early may return to participate in the regular scheduled ceremonies or receive their diplomas in the school office.

### **COMMENCEMENT / GRANTING OF DIPLOMA**

Students who have successfully completed high school shall be granted a diploma and be permitted to participate in the commencement ceremony. Successfully completed means that students have met the credit requirements for graduation from North-Linn, or have equivalent credits from an accredited public or private secondary school. Resident North-Linn children, who are receiving “Competent Private Instruction” or are “Dual Enrolled” under the provisions of Iowa Code 299.4, will not be permitted to participate in commencement ceremonies, nor will they be included with enrolled students in determining honor roll, class rank, salutatorian, or valedictorian.

The Board of Directors may exclude students from participation for violation of rules established for the orderly governance of the school. The commencement ceremony shall be secular.

### **MODIFICATION OF SCHEDULE**

A modified schedule may be granted to students unable to attend school due to a disabling illness, handicap, personal, or family condition. A person returning to school to complete graduation requirements may also be granted a modified schedule.

The student is to present a written statement to the counselor which will include:

1. nature of the problem
2. suggested modifications
3. length of time necessary to complete program
4. plans for completion of the regular program of studies
5. parental/guardian permission where applicable

## **North Linn Community School District Statement of Educational Equity Policy**

The North Linn Community School District offers career and technical programs in the following service areas: Agricultural Education, Business Education, Health Occupations Education, Family and Consumer Sciences Education, Industrial Education, and Marketing Education. It is the policy of the North Linn Community School District not to discriminate on the basis of race, color, national origin, sex, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy please contact the district's Equity Coordinator, Dominic Giegerich, Middle School/High School Principal at 3033 Lynx Drive, P O Box 200, Troy Mills, IA 52344 or by phone at 319-224-3291 Ext. 1 or by email at [dgiegerich@northlinncsd.org](mailto:dgiegerich@northlinncsd.org).

### **CAREER EDUCATIONAL OPPORTUNITIES**

The administration and staff at North Linn believe it is vital for our students to be knowledgeable about their interests and to explore career opportunities throughout their educational time.

In grades kindergarten through fifth the counselor discusses career awareness at each grade level. She also introduces several career experiences (such as post office and school supply store) to explore different careers and opportunities to help students begin the process of learning about different jobs and careers. Middle School and High School teachers link their class information to different occupations and opportunities in the 'world of work', as do elementary teachers.

8th Grade students learn to use MAP which allows them to explore their interests, specific occupations, and to plan their educational and occupational careers during and after high school. Students outline what classes they will need to take to reach their occupational goals, while taking into account their individual strengths and interests. Goal setting is done throughout the curriculum (K-12).

Every spring all eighth graders and their parents/guardians are invited to Transition Night. During this time students and parents review the required courses in high school and finish setting up or reviewing their student's four year academic plan. Eighth graders are invited back before school starts to familiarize themselves with the high school, the student handbook, and to make any necessary changes in their schedules.

The counselor meets with every class several times during the school year to disseminate pertinent and relevant information concerning each specific grade level. The counselor also meets with each senior one to one to discuss post-secondary plans and/or options.

The counselor/advisors meet with each high school student in the high school at least once a year to review their four year plans and update any changes as required by the state. Students also have access to their individual plan on Infinite Campus throughout their high school career, to constantly review and update their educational goals. The counselor arranges a group visit for all seniors at Coe, Kirkwood, and UNI and meets with each senior individually to discuss their educational plans.

Students have the opportunity to select classes like *How College Works* to better prepare them for life after high school. All juniors attend a college fair held each year in September at Kirkwood Community College.

The counselor also works with 'Workplace Learning Connection' to set-up Job Shadow experiences for students in their sophomore, junior and senior years. Students can also participate in an internship experience through 'Workplace Learning Connection' the summer between their junior and senior year of high school or during their senior year. Both

experiences require the student to fill out an application and complete an interview, both of which are great learning opportunities for students.

High School Students – Career Development Day

Middle School Students – Career Exploration Field Trips

<b>Course Name</b>	<b>Principles of Agriculture Science and Technology</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective (Can be used for an Elective Science Credit beg. with the graduating class of 2021)
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	No Prerequisites Required for FFA involvement
<b>Description</b>	This is an introductory course that presents students with the foundations of agricultural science. Students will develop skills and knowledge in ag careers, animal science, agriculture mechanics, and global issues related to agriculture and plant science. Learning experiences will include hands-on experience as well as various classroom and laboratory exercises. Students will also learn leadership skills through an introduction to FFA.

<b>Course Name</b>	<b>Animal Technology</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	The focus of this course is to develop advanced skills in animal science. The primary units of study will be: Animal Reproduction, Genetics, Animal Systems, and Feeding and Nutrition. Practical experiences will focus on applying basic scientific procedures and practices as well as learning through new developments in the animal industry.

<b>Course Name</b>	<b>Natural Resources</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	This course is a broad and diverse study of the natural resources and their relationship to agriculture. Students are taught the importance of the basic natural resources including soil, air, water, forest, wildlife, etc. Emphasis is placed on developing knowledge and skills needed for the management and conservation of these resources.

<b>Course Name</b>	<b>Agriscience</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	This course will look at the diverse areas of agriculture, examining the scientific application, processes, and principles on how they relate to agriculture. Areas of study and experimentations will include: methods of scientific investigation, production agriculture, environmental systems, structural systems, agriculture power, and agriculture processing.



<b>Course Name</b>	<b>Aquaculture</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	In this class students will identify opportunities in the aquaculture industry; identify aquaculture species and their anatomy; examine principles of production and management; operate a fish hatchery and re-circulating production system; control nutrition, evaluate and maintain water quality; and process and market fish.

<b>Course Name</b>	<b>Horticulture/Landscape Design</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	This horticulture course will introduce students to present knowledge and skills in fruit and vegetable production, ornamental, turf, and landscape design. Students will apply knowledge and skills in real life situations for both private and commercial horticultural application. Work in the greenhouse laboratory is included in this course.

<b>Course Name</b>	<b>Introductory Horticulture</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	This beginning level horticulture course is designed to present knowledge and skills in the home horticulture and floriculture areas. Hands on greenhouse laboratory experiences are provided. Areas of study will include: greenhouse management, plant propagation, indoor plant management, and floriculture with an emphasis on both retail and commercial applications. Students will apply knowledge and skills in real life situations.

<b>Course Name</b>	<b>Precision Farming-Concurrent with Kirkwood</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	This course covers the fundamentals of Global Positioning Systems with an emphasis on agricultural applications. Technical aspects of GPS satellites, differential corrections, field navigation and yield mapping will be covered. <i>Students will receive three college credits after successful completion and will be registered through Kirkwood Community College.</i>

<b>Course Name</b>	<b>Plant Technology</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	Fundamental agronomic principles are taught in this course. Soil evaluation, alternative agronomic crops, plant nutrition, weed science, and major agronomic plant growth and development. This course offers hands-on experience in these topic areas. Problem solving is stressed to develop a working knowledge in this agronomic area of agriculture.

<b>Course Name</b>	<b>Production Horticulture</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology
<b>Description</b>	This horticulture course will introduce students to present knowledge and skills in the design and maintenance of home and commercial landscape applications. Students will learn to draft landscape designs on paper as well as utilizing Computer Assisted Design Software. Turf management will also be covered in this course. Students will apply knowledge and skills in real life situations.

<b>Course Name</b>	<b>Agriculture Business Management</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology Suggested Senior Year
<b>Description</b>	This advanced level course is designed to emphasize agricultural business management. Students will have hands-on experience with computers and other data serving networks. They will manage simulated businesses. Learning opportunities will include credit and money management marketing, planning and decision making. Management principles, record keeping, and occupational/career planning will be stressed.

<b>Course Name</b>	<b>Agriculture Technology</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Preferred Principles of Agriculture Science and Technology Suggested Senior Year
<b>Description</b>	This course is designed to introduce and advance student skills in agriculture technology transfer. Learning opportunities will be centered around technological advances in agriculture. Students will learn and practice agriculture applications in computer hardware and software on DOS/Windows based computers, global positioning systems, and other technological advancements related to the field of agriculture.

### Business Education

<b>Course Name</b>	<b>INTRODUCTION TO BUSINESS</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	This class is an introductory course that presents students with the foundations of various aspects of the business world and his/her role in it. Areas to be covered include the economic system, the nature and form of American business, consumer rights and responsibilities, entrepreneurship and marketing. This course is strongly recommended for those interested in additional business courses.

<b>Course Name</b>	<b>PERSONAL FINANCE</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	This course exposes students to an area of personal finance that they will likely encounter as teenagers. The curriculum covers, among other topics: consumer awareness, money management, opening bank accounts, managing a checkbook,

	<p>managing credit, applying for a job, and basic information about saving and investing. Information will be presented through projects, activities, guest speakers, and multimedia presentations.</p> <p>This course meets the State of Iowa requirements for Financial Literacy for graduation requirements.</p>
--	---

<b>Course Name</b>	<b>INFORMATION COMPUTING CC</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	This is a concurrent enrollment course with Kirkwood
<b>Description</b>	<p>Familiarizes the student with business, personal and industrial uses of microcomputers. A broad-based overview of microcomputer topics is presented; concepts of storage media, file organization, and data representation are also presented. The fundamentals of computer problem solving and programming are discussed.</p>

<b>Course Name</b>	<b>ENTREPRENEURSHIP</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	Students in Entrepreneurship will develop an operating plan and organizational structure that will culminate in the development of a comprehensive business plan for a new business idea of their choosing. Components include opportunity recognition, feasibility of the business, strategic business planning, marketing research, finance, and business monitoring. Topics include choosing a business location, advertising and promotion, designing a store layout, marketing research, obtaining finance, competition analysis, and pricing methods. Students will also prepare a presentation based on the submitted business plan in an attempt to pitch their idea to the class who will serve as potential investors.

<b>Course Name</b>	<b>ACCOUNTING I</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	This course gives students a thorough background in the basic accounting procedures used to operate a business and also prepares them for college accounting classes, which are

	<p>required of all business majors. Students will learn the accounting cycle and use double-entry accounting for a variety of business organizations, including proprietorships, partnerships, and corporations. Students will prepare monthly journals, ledgers, payrolls, and worksheets as well as end-of-fiscal-period financial statements. Both manual and automated accounting procedures are covered. Several projects and business simulations are used during the course to add realism and to give the students practical experience.</p>
--	--

<b>Course Name</b>	<b>Accounting 2</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Accounting 1
<b>Description</b>	This course is a continuation of the Accounting I course and will deal with Cycle 3 Accounting, double entry accounting concepts for a corporation as further preparation for college accounting.

<b>Course Name</b>	<b>Emerging Technology Trends</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No



<b>Prerequisites and/or suggested requirements</b>	This is a concurrent enrollment course with Kirkwood
<b>Description</b>	Emerging Technology Trends is a fast-paced course that allows for instructors to use the current technologies for businesses to create documentation and market their product/services and advertise through Social Media. Students develop knowledge of multimedia and social media graphics editing), and knowledge of social media marketing (platforms, algorithms, content marketing, engagement data). Assessment projects are used by students for demonstration of knowledge of multimedia elements (copyright, video, graphic design, sound, animation), knowledge of tools (smart phones, tablets, digital camera, video camera, digital scanner), knowledge of editing software (sound and video editing)

<b>Course Name</b>	<b>Fundamentals of Web Programming</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	This is a concurrent enrollment course with Kirkwood
<b>Description</b>	Presents hypertext markup language and cascading style sheets for encoding Web pages. Introduces Server Side Includes and simple JavaScript for enhancing them. Emphasizes a structured approach to page layout, coding, and styling, exposing students to a variety of software tools.

<b>Course Name</b>	<b>Computer Science Principles</b>
<b>Total Credits</b>	1 Credits

<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in.

### English

<b>Course Name</b>	<b>English 9</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	This course focuses on reading, writing and critical thinking. Students will participate in a variety of classroom activities focused upon building proficiency in reading and writing. Skill work will be done in the areas of vocabulary and reading comprehension. As the students work to sharpen their reading, writing and vocabulary skills, the focus will be on helping them to develop analytical skills. The goal is to help them to

	<p>accurately analyze what they are reading and to be able to effectively communicate this analysis in written form.</p> <p>Students will read from a wide variety of literary and non-fiction texts.</p> <p>Throughout the course of the year, we will cover units on the 9/11 attacks, Native American culture, the Underground Railroad and Jackie Robinson.</p> <p>Students will be assessed through various daily work activities and tests.</p> <p>Lastly, students will use technology to research and create several projects throughout the course of the school year.</p>
--	---

<b>Course Name</b>	<b>English 10</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	English 9
<b>Description</b>	<p>Throughout the school year, students will read a wide variety of selections from many genres of literature. Included will be short stories (both fiction and non-fiction), poetry, and at least two novels. In concert with their reading, students will work to sharpen skills such as reading comprehension and vocabulary. Students will also learn how to identify elements of literature such as inference, symbolism and theme. Students will learn how to analyze a piece of literature, making connections between how complex ideas interact and develop throughout a piece of literature. As writers, students will learn how to make arguments that are logical, well-reasoned and supported by evidence. Students will share research, findings and evidence</p>

	clearly and concisely. Students will find and clarify the meanings of words and phrases using multiple strategies. Lastly, students will use digital tools and resources to enhance research and create projects.
--	---

<b>Course Name</b>	<b>Communication in Society</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10
<b>Description</b>	<p>This course focuses on interpersonal communication when working in groups. The five principles of communication are the focus of this course: awareness, verbal communication, non-verbal communication, listening and responding thoughtfully, and adapting messages.</p> <p>The course offers student opportunities for hands-on activities and projects to help prepare for the working world. Those projects and activities include group/team building projects, resumé/cover letter writing, professional communication, career conversations, and interviewing. Gaining job acquisition skills is also a major component of this course.</p> <p>This course also sees students work on thinking independently and expressing those thoughts through written and oral communication practices.</p>

<b>Course Name</b>	<b>Public Speaking</b>
--------------------	------------------------

<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10
<b>Description</b>	<p>During the course of this semester, students will learn the different aspects of speech and how to put the aspects together to form their own speeches. Students will also learn how to analyze famous speeches from well-known speakers. They will be able to determine on their own what makes a speech and a speaker effective. The main focus of this class will be for the students to learn how to not only form their own speeches but also present them to the class. We will focus on points such as annunciation, eye contact, posture, voice volume, pace, and creating effective visual aids. Here are the types of speeches that will be created:</p> <p>*Personal experience *Biography *How-to *Informative  *Inspirational *News reporting *Persuasive *Improvement *I Have A Dream *Debate</p>

<b>Course Name</b>	<b>Creative Writing</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes

<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10
<b>Description</b>	<p>This course is designed to build an environment where noticeable creative language growth occurs throughout the semester. Students learn the basics of writing multiple different pieces of writing for different genres: short stories, personal narratives, playwriting, reviews, and web article basics. This course also focuses heavily on the writing process which involves idea creation, drafting, revision, and peer reviewing.</p> <p>A writer's workshop format is used after the basics are learned. Students are able to explore their own creativity through the lens of writing and have choices as to what formats they choose to explore. The workshop format requires not just creativity, but also determination, self-discipline, and respect for others while working.</p>

<b>Course Name</b>	<b>Responding to Modern Topics</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10
<b>Description</b>	<p>While taking this course, students will study current events. Although important occurrences spanning the globe will be covered, a special focus will be applied to events in the United States and Iowa in particular.</p> <p>Students will be asked to respond to current events in a variety of assessments, including written reactions, persuasive essays and multimedia projects. Besides covering what is in the news, units will be done focusing on the following areas:</p>

	<p>*Recycling</p> <p>*Wild Animal Conservation</p> <p>*Unsolved Crimes</p> <p>*Politics, with an emphasis on how bills are passed and elections are run</p> <p>*The Olympics</p>
--	--

<b>Course Name</b>	<b>Publications</b> <b>*Does not count as an English Credit towards graduation--only an elective credit</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10 Minimum cum GPA: 3.0
<b>Description</b>	Publications is a course where students will gain skills in the following areas: page design, advanced publishing techniques, copywriting, editing, and photography all while producing a creative, innovative yearbook that documents school events and accomplishments to be remembered for years to come. There is an emphasis on journalism skills in this class. Participants will gain useful, real-world skills in time management, marketing, teamwork, budgeting, and design. High quality work is expected with submission of all assignments. Course does require time outside of class to complete certain homework obligations.

<b>Course Name</b>	<b>American Literature</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10
<b>Description</b>	<p>As with any high school English/Language Arts course, instruction in this course is designed to help students to develop proficiency in reading, writing, speaking and listening.</p> <p>This course emphasizes skills and strategies for reading, analyzing and writing about works of American literature, with an emphasis on how that literature reflects social and moral issues in the United States during various time periods.</p> <p>Students will be provided with multiple opportunities to articulate their own ideas while analyzing, interpreting and evaluating the ideas of others within the context of American literature. The following units will be covered:</p> <ul style="list-style-type: none"> <li>-Native American literature</li> <li>-Short stories from various American authors</li> <li>-The Civil War</li> <li>-The Vietnam War</li> <li>-Stephen King</li> </ul>

<b>Course Name</b>	<b>British Literature</b>
--------------------	---------------------------



<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10
<b>Description</b>	<p>As with any high school English/Language Arts course, instruction in this course is designed to help students to develop proficiency in reading, writing, speaking and listening.</p> <p>This course emphasizes skills and strategies for reading, analyzing and writing about works of British literature, with an emphasis on how that literature reflects social and moral issues in the United States during various time periods.</p> <p>Students will be provided with multiple opportunities to articulate their own ideas while analyzing, interpreting and evaluating the ideas of others within the context of British literature. The following units will be covered:</p> <ul style="list-style-type: none"> <li>-James Herriot</li> <li>-Roald Dahl</li> <li>-King Arthur stories</li> <li>-Various short stories by British authors</li> <li>-Rudyard Kipling</li> </ul>

<b>Course Name</b>	<b>World Perspectives</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	English 9 and English 10
<b>Description</b>	<p>World Perspectives is a course designed to familiarize students with the great ideas of a variety of peoples through time. Students will develop a heightened awareness of and an appreciation for other cultures and worldviews, while at the same time, students will discover the similar experiences that people share from nation to nation and from era to era.</p> <p>Students will be expected to complete several short writing assignments, along with daily homework assignments over the reading. This is a literacy survey course, some of the topics covered will be: world myths and folktales, Chinese/Japanese literature, African literature, Middle East/Ancient literature, Persian/Arabic literature, Indian literature, and a few other genres based upon student interest. This is a discussion-based class and daily/weekly discussion is part of the student's grade.</p>

<b>Course Name</b>	<b>Advanced Composition</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	<p>English 9 and English 10  Advanced Proficient in Writing on ISASP  *If not Advanced Proficient, other factors may be considered</p>

<b>Description</b>	Course examines and utilizes the formal writing process for summaries, a variety of essays including comparison, classification, definition, evaluation, a book review, a literary analysis, and a research paper using MLA & APA formats. Course includes review of sentence and paragraph structure and grammar usage as necessary. There is also a heavy concentration on vocabulary. This is a recommended college prep class.
--------------------	--

### Family Consumer Science

<b>Course Name</b>	<b>Child Development 1</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	No Prerequisites
<b>Description</b>	Child Development I studies the physical, social, emotional, and cognitive development from conception through the first year of life. Students are required to take home the “Real Care” baby for one weekend as part of the class requirements. Topics related to child development are also studied such as: male and female reproductive systems, conception, parenting options, preparing for parenthood, and the family life cycle.

<b>Course Name</b>	<b>Child Development 2</b>
--------------------	----------------------------

<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Child Development 1
<b>Description</b>	Child Development 2 begins with toddlers and continues through adolescence. The four types of development (physical, cognitive, emotional, and social) are studied with each age group. Current concerns such as disabilities, child development theorists, early childhood education, and careers are studied throughout the semester.

<b>Course Name</b>	<b>Foods 1</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	None
<b>Description</b>	Foods is an introductory course on nutrition and food. You will learn the basics of safety, sanitation, measuring, terminology, equipment, and nutrition. Current concerns and topics will also be discussed. A highlight in the course is the lab experience. Examples of possible lab experiences may include: cookies, homemade pizza, omelets, chicken alfredo, and more!

<b>Course Name</b>	<b>Foods 2</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Foods 1
<b>Description</b>	Foods 2 is a continuation from the introductory course. Topics include: convenience foods vs. homemade, cultural influences, small appliances, and meal planning, how to meet customer needs in a culinary setting and the fan favorite: cupcake wars!

<b>Course Name</b>	<b>Home Design</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	Home Design will provide students with the opportunity to study the color wheel, elements and principles of design, housing styles, and furniture arrangement to create a functional living space. Sample materials will be used to develop a vision board that will meet the needs of a client renovating a space!

## Foreign Language

<b>Course Name</b>	<b>Spanish 1</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	No Prerequisites
<b>Description</b>	Spanish I is an introductory course to the Spanish language. We will study vocabulary, grammar, and culture utilizing reading, writing and listening skills. This course requires strong memorization skills as we build a foundation of vocabulary and grammar. Recommended for college-bound students but open to all interested students.

<b>Course Name</b>	<b>Spanish 2</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes

<b>Prerequisites and/or suggested requirements</b>	Spanish 1
<b>Description</b>	This is an intermediate level course designed to continue acquisition of the Spanish language through vocabulary and grammar. Listening, speaking, reading and writing skills will continue to be developed. Culture will be explored through films and projects.

<b>Course Name</b>	<b>Spanish 3</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Spanish 1 and 2 or instructor recommendation
<b>Description</b>	Spanish III is the third level of language instruction that builds on previously learned material and continues with more grammar and vocabulary. Reading, writing and speaking projects will be used to allow the student to explore cultural topics and use the target language authentically. Spanish is spoken exclusively.

<b>Course Name</b>	<b>Spanish 4</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Spanish 1, 2, and 3 or instructor recommendation

<b>Description</b>	Spanish IV explores high intermediate and advanced grammar topics and combines all prior content from previous levels. Reading, writing, listening, and speaking are emphasized through presentations, interpersonal interactions, composition, literature, and other media. Spanish is spoken exclusively.
--------------------	---

### Health

<b>Course Name</b>	<b>Health</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	None
<b>Description</b>	<p>Health I introduces the students to a variety of Health topics and terminology. With a great variety of sources for Health information available, the course will help the student to sort out and use reliable information.</p> <p>The topics covered focus around the Health Triangle and include: healthy choices, mental health, infectious and noninfectious diseases and disorders, personality and behavior, life cycle, medicines and drugs, first aid and safety, and environmental health. Students will learn to differentiate between healthful and harmful behaviors. Through the facts learned in class, the students will have the skills to promote a healthy lifestyle for themselves.</p>



<b>Course Name</b>	<b>Health 2</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Health 1
<b>Description</b>	Health 2 is an elective course offered to students to continue to take a more indepth look into health topics relevant to current events, future career exploration, and issues in the world today.

### Industrial Technology

<b>Course Name</b>	<b>Introduction to ACE</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	<p>This course is a prerequisite for any other Industrial Technology class taken in the North Linn Industrial Technology area.</p> <p>This class is designed to give students a basic introduction and overview to the topics available within the Industrial Technology Department at North Linn. It would allow students the ability to</p>

	<p>engage in almost all areas of study offered in the department. These areas include manual drafting, computer aided drafting and design, blueprint reading, construction of a model building, woodworking, sheet metal construction, as well as an energy and power unit involving CO2 cars. Students will spend approximately three to four weeks per unit. All units include safety, hands-on work, and a project.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>
--	---

<b>Course Name</b>	<b>Construction Materials Processing</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Introduction to ACE-preferred
<b>Description</b>	<p>This course is designed to give students an introduction to the basic study of woodworking, construction, and the tools used. Students will be focusing on shop safety, machine operation, and hand tools. Students will also learn about specific types of wood, wood joinery, machinery, equipment, and other woodworking terminology.</p> <p>A required project is made by each student where they will use most of the machines in the woodshop area. Students will learn how to make a set of working drawings, a materials list, plan of procedure, and a bill of materials for each project completed.</p> <p>Students must also make a project using the wood lathe. Students are responsible for the cost of any project. If this may be a problem, be sure to talk to the teacher ahead of time.</p> <p>Class time permitting, students may choose a second project to build with the instructor's approval.</p>

--	--

<b>Course Name</b>	<b>Advanced Construction Material Processing</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Construction Material Processing
<b>Description</b>	<p>This course is designed for students who show advanced skills in woodworking. They may be planning to make a career in the woods or construction area. Students will use their skills to plan, design, and construct an individual project. Students are responsible for the cost of all projects. If this may be a problem, be sure to talk to the teacher ahead of time.</p> <p>All projects are subject to instructor's approval and guidelines. Students will re-visit how to make a set of working drawings, a materials list, plan of procedure, and a bill of materials for each project completed as well as a 3D drawings. Students are also required to make at least one project using the dovetail jig. Time permitting, students may choose a second project to build with the instructor's approval.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>

<b>Course Name</b>	<b>Construction Technology</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective

<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Intro to ACE and Construction Materials Processing
<b>Description</b>	<p>This course is designed to give students an introduction to construction systems in today's society. Students will be responsible for the construction of group project(s) built throughout the semester. The project(s) will be determined by the needs and wants of the class, community, and school district as well as the experience of the classmates involved.</p> <p>Examples of the types of projects may include but are not limited to: concrete work including sidewalks or patios, shelters, dog houses, school projects, and portable utility sheds or garden sheds. There will be a wide range of topics from concrete construction, rough framing construction, roofing construction, interior construction, electrical, HVAC, fine finish carpentry, and other topics involved within the construction field.</p> <p>Should specific projects not be available, students will still have access to a module style of learning. For example, students might be able to learn how to apply roofing materials on a small movable portion of a roof that is in the North Linn shop. Or they may be able to learn how to wire up common household outlets, lights, and switches in a mock wall design.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>

<b>Course Name</b>	<b>Introduction to Welding</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No

<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Intro to ACE
<b>Description</b>	<p>This course is designed to give students an introduction to the basic studies of metalworking and welding. This course also gives an overview of the practical and usable metal working techniques that may be further excelled and used around the house, farm, or on the job.</p> <p>Basic units to be covered by each student include but not limited to: shop safety, hand tools, sheet metal work, shielded metal arc welding (SMAW or Arc), gas metal arc welding (GMAW or MIG), oxy-acetylene welding (OAW), and oxy-acetylene cutting and plasma cutting.</p> <p>Time permitting: students may build a small metals project. Students will use their skills to plan, design, and construct a small individual project. Students are responsible for the cost of that project. If this may be a problem, be sure to talk to the teacher ahead of time.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>

<b>Course Name</b>	<b>Manufacturing Materials Processing</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Introduction to Welding
<b>Description</b>	This course is designed for students who show advanced skills in metalworking. They may be planning to make a career in the

	<p>metals or manufacturing areas such as a machinist, tool and die maker, pipe fitter, welder, sheet metal worker, factory worker, commercial construction worker, with many other career options available. Students will use their skills to plan, design, and construct an individual project. The student will be responsible for the raw material costs of this project however they have access to all of the Industrial Technology Department tools and equipment. This project may be built so long as it meets the instructor's guidelines.</p> <p>Students will learn how to make a set of working drawings, a materials list, plan of procedure, and a bill of materials for each project completed. As well as design a 3D drawing of what the project will look like.</p> <p>Students will also be required to complete a welding unit focusing on TIG welding. There are chapters and specific welds to be completed in order to complete the unit. The student will use this to weld mild steel as well as aluminum.</p> <p>Students will also be required to complete a foundry and metal lathe unit. The students will be responsible for the construction of an aluminum hammer with uses of the foundry and the metal lathe for parts production.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>
--	---

<b>Course Name</b>	<b>Production</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Senior

<b>Description</b>	<p>This course is designed to give students an understanding of the world of business and the process of producing a product from design, production and sales. Students will use a business plan and design process to research, design, construct, build, market, and sell a product to a specific demographic. Students will work in a team while using prior knowledge of measurement, shop math, shop safety, wood and construction and/or metal identifications, most hand tool and machinery operations, joinery and other detailed shop processes.</p> <p>Students will be producing a product as a team to market and sell. Profits from the sale of the product produced will be put back into the North Linn Industrial Technology Club account.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>
--------------------	--

<b>Course Name</b>	<b>Automotive Maintenance and Small Engine</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	<p>This course is designed for students interested in learning how to maintain and service an automobile. They will learn how to change oil and filter as well as other lubricants, changing tires, spark plugs, winterizing, and other common routine maintenance procedures. Other topics that may be discussed include but are not limited to electrical systems, powertrain systems, brake systems, and carburetion systems. Students should have access to an automobile to perform these procedures throughout the semester. This class is a good course for <i>anyone</i> who drives an automobile. <b>(Note: Students not having a car of their own may still take the class, but</b></p>

	<p><b><i>are responsible for having or getting a vehicle to perform certain tasks on/with for credit.)</i></b></p> <p>Students will also have an opportunity to learn the care, operation, adjustment, and repair of small 2-cycle and/or 4-cycle engines. These small engines are present on all types of equipment from lawn mowers, go-carts, weed eaters, chain saws, four wheelers, dirt bikes, and other small equipment from around the house or farm. Students will be encouraged but not required to have a small engine to work on or re-build during class. If possible a Briggs &amp; Stratton because of the service manuals we have available to us, but students are not limited to this particular brand.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>
--	--

<b>Course Name</b>	<b>Architectural Plans and Specs</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	This is a concurrent enrollment course with Kirkwood
<b>Description</b>	<p>This is a dual credit course through Kirkwood and North Linn that introduces the skills and methods for reading, understanding, and interpreting construction drawings, blueprints, and technical specifications for residential and commercial buildings. This course will have an online component. Knowledge of a computer will be necessary for all testing and daily classroom activities.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>



<b>Course Name</b>	<b>Architectural Modeling</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	This is a concurrent enrollment with Kirkwood
<b>Description</b>	<p>This is a dual credit course through Kirkwood and North Linn that is designed to give students an introduction to construction concepts through a 3D design program called SketchUp. Students will learn how to build individual parts as well as entire systems within the construction world. Students building a virtual 3 dimensional world of construction parts on a computer screen. Eventually, these parts get put together to build major construction systems like a house or commercial building from foundations to roof systems.</p> <p>This class also introduces the materials, methods, and terminology used in modern construction. The class is computer based and focuses on general knowledge in a broad range of systems and the coordination requirements between those systems. This course will also have an online component. Knowledge of a computer will be necessary for all testing and daily classroom activities.</p> <p>This is a dual credit course through Kirkwood and North Linn that is designed to give students an introduction to construction</p>

	<p>concepts through a 3D design program called SketchUp. Students will learn how to build individual parts as well as entire systems within the construction world. Students building a virtual 3 dimensional world of construction parts on a computer screen. Eventually, these parts get put together to build major construction systems like a house or commercial building from foundations to roof systems.</p> <p>This class also introduces the materials, methods, and terminology used in modern construction. The class is computer based and focuses on general knowledge in a broad range of systems and the coordination requirements between those systems. This course will also have an online component. Knowledge of a computer will be necessary for all testing and daily classroom activities.</p> <p>Most assessments are done in class and are based on work completed, 21<sup>st</sup> century skills, employability skills, and other skills as determined by the instructor.</p>
--	--

### Mathematics

<b>Course Name</b>	<b>Algebra Supports</b>
<b>Total Credits</b>	2 Credits (Elective Credits only-not Math credit) Pass/Fail for grading
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	No Prerequisites This class does not meet core requirements for college entrance.

	Teacher recommendation
<b>Description</b>	The Algebra Support Materials are designed to help students who, for many possible reasons, need more support than it is possible to provide in their Algebra 1 course. These materials review or establish skills, understandings, and mathematical connections to put students in a better position to be successful in Algebra 1. Each Extra Support lesson is associated with a lesson in the Algebra 1 course. The intention is that students experience each Extra Support lesson <i>before</i> its associated Algebra 1 lesson. The Extra Support lesson helps students learn or remember a skill or concept that is needed to access and find success with the associated Algebra 1 lesson.

<b>Course Name</b>	<b>Algebra I</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	Algebra I should be a minimum course for most students planning on continuing their education after high school. Student involvement and methods include problem solving, practical applications, computers, calculators, reading, integrated reinforcement, science, and goals aligned with the National Math Standards, topics covered include fundamental Algebra concepts, linear operations, exponents, graphing, polynomials, systems, quadratic equations, and functions.

<b>Course Name</b>	<b>Geometry</b>
--------------------	-----------------

<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Algebra I
<b>Description</b>	During the course of the year, you will learn and use direct, indirect, deductive and inductive reasoning. You will be learning how to write a variety of proofs, do constructions, work with area, volume, and many other formulas with two-dimensional and three-dimensional objects.

<b>Course Name</b>	<b>Algebra II</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Algebra I and Geometry
<b>Description</b>	<p>Algebra I, Geometry, and Algebra II are usually required for College admission. Student involvement and methods include problem solving, practical applications, computers, calculators, reading, integrated reinforcement, science, and goals aligned with the National Math Standards.</p> <p>Topics include variations, matrices, systems, conic sections, powers and roots, polynomials, quadratics, dimensions, and space.</p>

<b>Course Name</b>	<b>Pre Calculus</b>
--------------------	---------------------

<b>Total Credits</b>	2 credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Algebra II
<b>Description</b>	Pre-Calculus is a study of advanced math topics beyond Algebra. Included are linear, power, rational, exponential, and logarithmic functions, trigonometry, systems of equations, vectors, sequences, series, probability, statistics, and an introduction to calculus.

<b>Course Name</b>	<b>Statistics</b>
<b>Total Credits</b>	1 credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Algebra II
<b>Description</b>	This class is the study of basic statistics and probability. Some topics included are: analyzing data, representing data in different types of charts and tables, measures of central tendencies, regression lines and correlations, combinations, permutations, and an intense study of probability.

<b>Course Name</b>	<b>AP Calculus</b>
<b>Total Credits</b>	2 Credits

<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Pre-Calculus
<b>Description</b>	This course is a study of advanced math concepts. The main focus of the course will be limits, derivatives, and integrals of elementary functions and their applications. This class is recommended for students planning to take math, science, or engineering in college. At the completion of the class, students will have the opportunity to take the AP Calculus Test for college credit. Graphing calculators will be needed for this class (TI-83 or above is recommended).

<b>Course Name</b>	<b>Financial Algebra (Business Math)</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	
<b>Core Course</b>	NO
<b>Prerequisites and/or suggested requirements</b>	Algebra I
<b>Description</b>	This course is designed to teach students to solve everyday personal and business problems. Subject matter consists of: Investments, Expense and Revenue Analysis, Bank Accounts and Interest, Loans and Credit, Transportation Costs, Income and Benefits, Taxes, Costs of Living Independently, Planning for Retirement, and Preparing a Budget. This class uses concepts from Algebra such as solving equations and graphing. Students will frequently make use of a graphing calculator.

<b>Course Name</b>	<b>Financial Literacy</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	A financial literacy class is required for graduation. This semester course fulfills this requirement
<b>Description</b>	This course will teach students basic math concepts that they will use in their daily adult lives. Topics include: Taxes, Checking and Savings, Credit and Loans, Managing Credit, and Insurance

### Science

<b>Course Name</b>	<b>Physical Science</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	None
<b>Description</b>	Physical Science is a required course. This course emphasizes basic concepts of the scientific method, chemistry, physics, and earth science as they apply to life events as well as an introduction and background for upper level physical science coursework. Specific topics covered include: measurement, laws of motion, energy and work, thermal energy, properties of solids, liquids and gasses, the composition and classification of matter basic to chemistry,

	<p>sound and light, electricity, and the formation of the earth and our solar system.</p> <p>Laboratory work and demonstrations are associated with the above topics. Some basic mathematical calculations relative to course topics are included throughout the year.</p>
--	--

<b>Course Name</b>	<b>Biology</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Physical Science or recommendation from MS Science Teacher
<b>Description</b>	<p>Biology is the study of living things, with an emphasis and appreciation for all life and how living things interrelate.</p> <p>1<sup>st</sup> semester: Students learn universal science skills, cell structure and function, and the flow of matter and the energy from the environment to organisms and back.</p> <p>2<sup>nd</sup> semester: Students learn inheritance and variation of traits and how the ecosystem influences natural selection of those traits which can lead to evolution of organisms.</p>



<b>Course Name</b>	<b>Chemistry</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Physical Science and Biology Algebra 1
<b>Description</b>	<p>Chemistry reaches into almost every area of our lives. As we increasingly become dependent on technology, more decisions will involve scientific concepts and consequences. Chemistry is a study of the substances in our world, what they are made of and how they act and interact with each other. The purpose of this course is to help students learn the basic concepts of chemistry to prepare them for future technical or college programs which require an understanding of the fundamentals of chemistry.</p> <p>The First semester topics include matter and energy, properties of matter relative to the periodic table, atomic and molecular structure, common elements, compounds and their formulas. The second semester topics include chemical measurement and calculation, chemical formulas and equations, calculations involving molecular mass, solutions, equilibrium, acid-base concepts, oxidation reduction reactions, qualitative analysis, and an introduction to organic chemistry.</p> <p>Laboratory work and demonstrations are associated with the above topics.</p> <p>Passing a year of Algebra I is strongly suggested before taking Chemistry. Carefully check your post high school education course requirements regarding required and recommended science courses.</p>

<b>Course Name</b>	<b>Physics</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Algebra 1
<b>Description</b>	<p>A study of physics and its applications is basic and vital to all students, whatever their educational goals. This course also provides students with a background for technical or college programs which require an understanding of the fundamentals of physics while still providing an opportunity for the general education student to learn the basic science principles in this area of physical science. Many lab activities and demonstrations relating to everyday applications of physics supplement the solving of problems related to the various physics topics. The first semester topics include: force and motion, work, power, energy, heat and temperature.</p> <p>The second semester topics include: wave motion, sound, light, reflection and refraction, electrostatics, direct and alternating current electricity, astrophysics, and selected astronomy topics. Passing a year of Algebra I is strongly suggested before taking this class.</p>

<b>Course Name</b>	<b>Human Anatomy and Physiology</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Biology

<b>Description</b>	<p>1st semester: Introduction to anatomy and physiology terms and concepts, cell processes, integumentary, skeletal, muscular, and nervous systems.</p> <p>2nd semester: Senses, Cardiovascular and blood, reproductive, digestive, and respiratory systems.</p> <p>The dissection of some organs will take place during the second semester. Students focus on learning how each system contributes to the homeostasis of humans by learning parts and processes in each system. Students who take this course typically go into a health field or have interest in learning more detailed information about the human body.</p>
--------------------	---

<b>Course Name</b>	<b>AP Biology</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	Biology
<b>Description</b>	<p>This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors covering four big ideas.</p> <p>Big Idea 1: Evolution  Big Idea 2: Cellular Processes: Energy and Communication  Big Idea 3: Genetics and Information Transfer  Big Idea 4: Interactions</p> <p>AP Biology is designed to be taken by students after successful completion of courses in high school biology and chemistry. If students choose they may take the AP exam in May and possibly receive college credit; depending on the institution.</p>

<b>Course Name</b>	<b>Environmental Science</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Biology
<b>Description</b>	This course will cover major environmental issues. Topics will include local plants and animals, ecosystems, endangered species, conservation of natural resources, pollution and population. Consideration will be given to both the history of the environmental movement as well as current topics.

<b>Course Name</b>	<b>Robotics</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Biology
<b>Description</b>	Robotics is a one semester course in problem solving, applied science, and technology. Students will visit local manufacturers to learn about the application of robotic technologies in the business world. They will also design, build, and program a robot using DC motors and sensors. Culminating their learning

	experience, the class will compete with other schools and organizations in the FIRST Tech Challenge (FTC). In addition to the course, there are more than \$10 million in scholarships and other funding awarded by colleges and businesses to participants in FIRST's high school programs, FTC and FRC.
--	---

### Social Studies

<b>Course Name</b>	<b>Community and Service Learning</b>
<b>Total Credits</b>	1 credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	Curriculum will center on acknowledging and studying community needs and taking an active role in developing contacts with community organizations, businesses, city government, and citizens. Class time will be devoted to developing service projects, which will not only enhance students' knowledge of community needs, but will also allow students to actively participate in community functions.

<b>Course Name</b>	<b>Contemporary Issues</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes

<b>Prerequisites and/or suggested requirements</b>	No Prerequisites
<b>Description</b>	Contemporary Issues will focus on current events both nationally and internationally. Students will view various news programs throughout the course while focusing on specific themes throughout the semester. Themes will focus on both national and worldwide trends. Possible themes for discussion are: The American Family, Violence in America, Professional Sports in America, International Relations, The Environment, Issues in the Workplace, Teens and Alcohol, Teens and Drugs, Gambling, Role Models in America and Abroad, Abuse, Teenage Pregnancy, and others. Grading will be determined by student awareness of the issues and news discussed in class, therefore attendance will be very important to be successful in this class.

<b>Course Name</b>	<b>World History</b>
<b>Total Credits</b>	1 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	World History will include the study of Pre-History: The First Humans, The River Valley Civilization, Ancient Greece, Rome and the Rise of Christianity, The World of Islam, World Religions, Emerging Europe and the Byzantine Empire, Europe in the Middle Ages, The Age of Exploration, Crisis and Absolutism in Europe, The East Asian World, Revolution and Enlightenment, French Revolution and Napoleon. The students will have various paper sand projects that they will

	present to the class.
--	-----------------------

<b>Course Name</b>	<b>American History</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	None
<b>Description</b>	<p>American History will be a discussion and analysis of historical events that took place in the United States from 1865 to present. The course will begin with the reconstruction of the Union following the ending of the Civil War. Other topics/units to be discussed will include:</p> <ol style="list-style-type: none"> <li>1. Patriotism and Allegiance to a Country and its Veterans</li> <li>2. Westward Expansion/The Rise of Industry/An Urban Age 1860 to 1900</li> <li>3. Imperialism 1967 to 1908</li> <li>4. World War I Era 1914 to 1920</li> <li>5. The Decade of Normalcy 1920 to 1929</li> <li>6. The Great Depression 1928 to 1938</li> <li>7. World War II Era 1933 to 1945</li> <li>8. The Cold War 1945 to 195</li> <li>9. The Civil Rights Era/Vietnam Era 1954 to 1975</li> <li>10. Camelot to Watergate 1960 to 1975</li> <li>11. Search for Solutions 1976 to 1992</li> </ol>

	<p style="text-align: center;">12. Toward a New Century 1992 to present</p> <p>Emphasis will be placed on the cause and effect of each historical event. An attempt will be made to analyze the significance of each event as it relates to modern day events.</p>
--	--

<b>Course Name</b>	<b>Geography</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	None
<b>Description</b>	<p>Geography teaches students about the world in which they live. It focuses on space, resources, and people. In this course students will practice basic map skills. A great deal of emphasis will be placed on teaching basic principles and concepts that will allow students to move to a higher, more concentrated level of Geography study. Geography will also study such things as population distribution, resources of various areas, and their uses, transportation and communication, and the impact of people on their environment. Students will gain exposure to the geographic development of the United States, Canada, and other countries. Students will also learn to use maps and graphs to gain a better understanding of Geography.</p>

<b>Course Name</b>	<b>Government</b>
<b>Total Credits</b>	1 credits



<b>Required or Elective</b>	Required
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	<p>Government is a required year course for seniors. The major function of the different levels of government is covered. Units dealt with are: The Constitution, The Executive, Legislature, Judiciary branches of government, the Democratic Process of elections and voting, State and Local government, financing government, and U.S. Foreign relations. The basics of government and the political processes involved are stressed and each student must show a proficiency of the basics. Keeping up on current affairs in the U.S. and the world are stressed. Each student will write two or three research papers and present these papers to the class and teacher.</p>

<b>Course Name</b>	<b>Psychology</b>
<b>Total Credits</b>	1 credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	<p>In psychology students examine the behavior of human beings in an attempt to better understand human behavior. A study of psychology will provide an appreciation of the ways in which the general methods of science can be applied to problems of behavior. As a consequence of their study of psychology</p>

	<p>students will be likely to accept the sweeping claims and generalizations about human behaviors that are generally made. Students will learn to recognize that many of the motives they attribute to others are really reflections of their own needs and values. As students progress in their study of psychology, they should emerge with an ever increasing appreciation for dignity and importance of man.</p>
--	--

<b>Course Name</b>	<b>Sociology</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	<p>Sociology is the study of man and his interrelationship with his fellow man. It covers how different societies and peoples interact within the main focus of American society. Topics dealt with shall include man and his culture, the family system, the political system, economic system, the class system and the merging of all these systems to form what we know as the "Human Society"</p>

<b>Course Name</b>	<b>Economics</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	Yes
<b>Core Course</b>	Yes

<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	Economics is the study of how human beings satisfy or attempt to satisfy their unlimited wants with the ever decreasing supply of available resources. Some of the units covered include: (1) production of goods and services (2) distribution of goods and services (3) price determination (4) income distribution (5) money, credit, and banking (6) Supply and Demand and how they relate to one another. Students will write two or three research papers and present these papers to the class and teacher.

### Visual Art Education

<b>Course Name</b>	<b>Art I</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	No Prerequisites
<b>Description</b>	The best place to develop your creativity and powers of expression is the art room. Let the imaginative side of yourself discover the excitement of the visual arts. Introduction to Art is the beginning course where we explore various drawings and painting mediums and techniques associated with them. We will also work with 3-dimensional materials.

<b>Course Name</b>	<b>Art II</b>
--------------------	---------------

<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Art I
<b>Description</b>	Art II is a course primarily concerned with the continuation of working with and learning how to manipulate 2-dimensional and 3-dimensional media. Students will start to utilize their own knowledge while working with each material and incorporate their own life experiences within their artwork.

<b>Course Name</b>	<b>Art III</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Art I and Art II
<b>Description</b>	Art III is primarily concerned with encouraging students to develop their own personal imagery and find a voice as an artist. The class is organized to focus on experimentation in as many different media areas as possible. Students will be asked to develop their projects above and beyond the required expectations.

<b>Course Name</b>	<b>Art IV</b>
<b>Total Credits</b>	2 Credits

<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Art I, II, and III
<b>Description</b>	Art IV is an independent project oriented course. The course is designed to offer to the student assistance in pursuing an art career or other art related endeavors. During the year we focus on areas such as portfolio preparation, scholarship awareness, and compositional techniques.

<b>Course Name</b>	<b>Advanced Independent Art</b>
<b>Total Credits</b>	2 Credit
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	Teacher Recommendation
<b>Description</b>	The ideas and material covered in this class are completely subject to the individual student taking the course. Teacher recommendation is the only way to enter this course.

## Vocal Music

<b>Course Name</b>	<b>Vocal</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	No Prerequisites
<b>Description</b>	<p>A study of vocal music, singing, and the reading of music. Students will learn to sing harmony, how to produce sound in pitch, and understand the basics of vocal music. Students are often in choir for all four years of high school and rehearsals are planned around a curriculum which adds to advanced learning each year.</p> <p>The choir is an academic class and a performance class. Emphasis is on the academic, with performance regarded as an extension of the academic.</p> <p>1st. Semester: Students learn voice parts, basic harmonies, learn and review music terminology, and become familiar with reading parts in music. Activities during this semester are community outreach through Veteran's Day and the singing of the National Anthem during events. There is a musical each fall which the choir is heavily involved in, however, the musical is open to anyone in high school. As part of the Tri-Rivers Conference, choir members are chosen for an honor choir each fall to explore advanced and different genres of music. Students may audition for the Jazz Choir. This semester ends with a December concert. During the course of the semester there are required vocal lessons and also opportunities for small group lessons and/or performances. Students are encouraged to help with and mentor other singers. Assessments are given in writing, through performance as a group, and individual lessons.</p>

	<p>2nd Semester: Activities this semester include State Competitions for Jazz Choir, Concert Choir, Individual soloists and Small Groups. A bi-annual trip is planned and held during which students experience professional musicians and are critiqued by a college or university. Students continue individual voice lessons, work in sectionals, learn to model correct singing, embouchure, breathing, and posture. More advanced terminology and interpretation is introduced as students learn to work individually and also within their voice part. Guest directors and honor choirs may occur. Students have the opportunity to explore a wider range of music genres through the Variety Show. The choir is heavily involved, but this is also open to all high school students. There are concerts at the Variety Show, May Music Concert, and Graduation. Assessments continue during this semester in writing, and group or individual performances.</p>
--	--

### Instrumental

<b>Course Name</b>	<b>Instrumental</b>
<b>Total Credits</b>	2 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	<p>Instrumental music involving woodwind, brass, and percussion instruments. Students can begin band in 5th grade but can join at any time in high school. This is a co-curricular class that meets every day for a class period but also has concerts and</p>

	<p>other performances outside of the school day. Band students also must come to lessons outside of regular class time.</p> <p>Fall-marching band and performance at football games.</p> <p>Winter-jazz band</p> <p>Spring-solos and small ensembles</p> <p>Summer- Memorial Day performances and band camp.</p>
--	--

### School Counseling-College Planning

<b>Course Name</b>	<b>How College Works--Concurrent with Kirkwood</b>
<b>Total Credits</b>	1 Credits
<b>Required or Elective</b>	Elective
<b>NCAA Approved</b>	No
<b>Core Course</b>	No
<b>Prerequisites and/or suggested requirements</b>	
<b>Description</b>	Explores individual strengths, strategies for solidifying personal responsibility, college readiness/academic success strategies, career readiness/vocational goals for students as they identify a college program or major. Emphasizes differences between high school and college expectations. Identifies appropriate career areas. Offers aids in taking and using placement tests for college admission and personal financial management.