KIMBALL AREA HIGH SCHOOL

GRADES 9–12

2024-2025 COURSE CATALOG

School Board Members	Kurt Helgeson, Chair Eric Helgeson, Vice Chair Mike Gallagher, Clerk Marcia Mahlum, Treasurer Pat Libbesmeier, Director Matt Lindberg, Director
Superintendent	Erik Widvey
High School Principal	Nancy Bonnifield
Guidance Counselor	Jay Klein

Find this guide online at www.kimball.k12.mn.us > QuickLinks for HS Students > Course Catalog

NEW IN 2024-2025

- *College Business Computers*
- *American Economics & Government*
- *STEM 9*
- *Earth & Space Science*

The contents of this booklet include course descriptions for all class offerings in grades 9–12 as well as requirements for earning a Minnesota High School diploma from Kimball Area High School. In some cases, it may be necessary to withdraw courses because of insufficient enrollment, lack of qualified staff, insufficient funding, or by other administrative need.

SPECIAL MESSAGE TO STUDENTS

It is important for you to carefully plan your future educational program. You will make important decisions as you enroll, so please consider your interests, strengths and career goals. The guidance counselor can help you in these decisions by interpreting test scores and other relevant information. You are encouraged to consult with your parents/guardians and the teaching staff at KAHS as you plan your course of study.

GENERAL INFORMATION

This booklet is designed to assist students and parents/guardians in understanding the Kimball Area High School program of studies and the educational opportunities available. Please read the information carefully before selecting classes for next school year. Brief descriptions of all courses and pertinent information are contained in this booklet, as well as information on the Minnesota Academic Standards and Kimball Public Schools graduation credit requirements. Please contact the guidance counselor regarding any questions you have relative to registration.

Note: Once you have registered for a class, it may be difficult or impossible to make a schedule change. **Students have the first week of each semester (five days) to make schedule changes**. Teacher, parent, and counselor permission is required for all schedule changes.

HOW TO USE THE COURSE CATALOG AND MATERIALS

•Each course description identifies the general content of the class, the grade levels the class is available to, and any prerequisite/criteria needed to be enrolled in the class. Students will not be allowed to take more than one study hall per semester.

•Each course is eighteen (18) weeks in length and earns one-half credit toward graduation, unless otherwise stated in the course description. Some courses are intended to be taken for the full year. We will always encourage students to remain in these classes for the full year. Dropping a course at semester requires parent, instructor and administrator/counselor approval. A failing grade may appear on a transcript if a student drops a class after the drop period.

•Students in grades 11 and 12 are advised they have the right to participate in the Post Secondary Enrollment Options Act. Through the program, students may attend a post-secondary education program and receive concurrent credit toward a high school diploma. College in the School credits and Articulated College credits are also available in several classes. (See notes under Special Program Information, pg. 7.)

REGISTRATION FORMS

Parental input in the selection of classes is very important. Each student, along with his/her parents, has the responsibility of creating a schedule, which will best prepare the student for future careers and successful living. Involve your parents in these decisions and seek the advice of other adults. The courses you select will be reviewed by school staff for appropriateness to your educational goals and academic abilities. The Kimball Public School District strives to work with each student and his or her family to design an academic and career plan which will help the student build the knowledge and skills necessary for future success. If you have any questions about the planning, please contact the guidance counselor or principal. *(Jay Klein, jay.klein@kimball.k12.mn.us, 398-7700 ext. 1320 or Nancy Bonnifield, nancy.bonnifield@kimball.k12.mn.us, 398-7700 ext. 1309)*

Registration materials specific to each grade will be provided in an online format to students during pre-registration. Please review the information included in this guide as you make selections for classes next year. The four-year plan on page 9 outlines the classes expected to be taken and passed each year in grades 9-12. Where lines are provided students should make class selections. Every effort will be made to match students' first requests, but in some cases classes may be full or not available. Please indicate four alternative elective courses of interest that may be used to complete your schedule if necessary.

Name_____

Graduation Requirements (25 Credits)

Directions: Check off the courses completed

English (4 credits required)
- ☐ English 9
- ☐ English 10
- ☐ English 11
- ☐ English 12

Social (4 credits required)
- ☐ Social 9
- ☐ U.S. History
- ☐ World Civ.
- ☐ Economics & Gov't

Science (3 credits required)
- ☐ Stem 9 (.5) ☐ Earth & Space Sci (.5)
- ☐ Sci 9 (1) ☐ Biology (1)
- ☐ Chem/Chem Fund/Food Chem (1)

Note: Class of 2028+ will require STEM 9 and Earth & Space Science

Math (3 credits required)
- ☐ Math 9
- ☐ Math 10
- ☐ Math 11

PE (1)/Health (.5)
- ☐ PE 9
- ☐ PE Sr. High
- ☐ Health Sr. High

Business (1 credit required)
- ☐ Computer Applications
- ☐ Personal Finance/Living on Your Own

Fine Arts (1)
- ☐ Elective_____
- ☐ Elective_____

Career & Technical Education (1)
- ☐ Elective_____
- ☐ Elective_____

College & Career Readiness
- ☐ *Job Shadow (gr 9)
- ☐ *Career Fair (gr 10)
- ☐ *College Fair (gr 11)
- ☐ *Mock Interview (gr 12)
- ☐ Senior Interview

*required for graduation
(if unable to attend college/career fair, an alternative will be provided)

Electives (6.5)
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____
- ☐ Elective_____

KAHS GRADUATION CREDIT AND COLLEGE AND CAREER READINESS REQUIREMENTS AS APPROVED BY THE BOARD OF EDUCATION

Graduation at the end of the senior year is dependent upon credit being earned in all required classes, standards, and appropriate electives. Students must earn a total of 25.0 credits to graduate. Minnesota Academic Standard requirements are embedded into coursework.

College and Career Readiness Requirements:

- Job Shadowing (Careers Unit): 9th Grade
- Career Fair: 10th Grade
- College Fair: 11th grade
- Senior Mock Interview: 12th grade

REQUIRED CLASSES

Grade 9
Students in grade 9 will automatically be registered for English 9 (two semesters), a Math class (two semesters), STEM 9, Earth & Space Science, Social Studies 9-American Civics (two semesters), Physical Education 9 (one semester), and Computer Applications (one semester). Students are strongly encouraged to select CTE or fine art electives necessary for graduation. They may select classes from Ag, FACS, Fine Arts or Industrial Technology.

Grade 10
Students in grade 10 will automatically be registered for English 10 (two semesters), Biology (two semesters), United States History (two semesters) and a Math class (two semesters). Each sophomore must also indicate at least four semester course choices from elective areas. Sophomores are strongly encouraged to take Senior High Health and Senior High Physical Education which must be taken sometime in grades 10-12.

Grade 11
Students in grade 11 will automatically be registered for World Civilizations/Geography (two semesters) and English 11 (two semesters). Juniors should sign up for Chemistry, Fundamentals of Chemistry, or Food Chemistry and a Math course to complete the necessary Minnesota Academic Standards and maintain progress in their selected math/science path. Electing not to take science or math in grade 11 will require students to take a math and science elective in grade 12. Personal Finance or Living On Your Own is required, and recommended to be completed during the junior year. Careful planning to meet the graduation requirements must be made.

Grade 12
Students in grade 12 will automatically be registered for American Economics & Government (two semesters) and English 12 or College Composition (two semesters). We encourage seniors to explore electives as a way to prepare for lifelong learning. If a senior has not passed or taken a required class, he or she must be registered in a class to meet that requirement.

ADDITIONAL REQUIREMENTS FOR GRADUATION:

In addition to those required classes noted above, these requirements must be met in grades 9-12 to meet the Minnesota Academic Standards:

- Fine Arts (2 semesters in grades 9-12 from Music, Theatre, or Art)
- Business (1 semester of Computer Applications, 1 semester of Personal Finance or Living on Your Own)
- Career & Technical Education (2 semesters from a combination of Ag, FACS and CTE)

WAIVERS

Students with parental support may apply for a waiver from a credit requirement only when not getting a required class was out of the student's control. An application form for the waiver is available in the high school office. Appeals should be requested at the time of registration or when schedules are published. Each appeal will be considered independently by the Independent Study/Waiver committee, which is comprised of the high school counselor, high school principal, and a licensed staff member.

HONOR POINT CALCULATION

The following criteria will determine honor points used in calculating grade point averages:

Group	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
I	4.250	3.916	3.583	3.250	2.916	2.583	2.250	1.916	1.583	1.250	0.916	0
II	4.000	3.666	3.333	3.000	2.666	2.333	2.000	1.666	1.333	1.000	0.666	0

Curriculum Classifications
Group I: Concurrent Enrollment (college) classes, Honors classes, and Post-Secondary classes.

Group II: All others

All teaching assistant and peer tutor classes are credited with a Pass/Fail grade. A passing grade does not effect GPA.

Graduation with Honors
Students graduating with honors must have a cumulative GPA of 3.66 or better for grades 9–12 and be enrolled in at least four academic classes each semester grades 9–12.

FOUR-YEAR, COMMUNITY AND TECHNICAL COLLEGE ENTRANCE REQUIREMENTS

All students should carefully consider the requirements for admission to college. A high school student may not be planning to attend college, but discover at a later date that attending college is appropriate. Having met the admission requirements will greatly improve his or her chances for admission into a college.

College entrance requirements vary. We strongly recommend that the college-bound student contact the counselor or a college representative, or plan a college visit to become familiar with the entrance requirements of potential colleges. Colleges look with favor upon the student who has taken the college preparatory subjects and earned good grades. Admission to college will depend upon the selectivity of each college. Factors considered by colleges may include class rank, grade point average, course selection, college entrance test scores (i.e. ACT), participation and leadership in activities, and letters of recommendation.

Entrance requirements for most four-year colleges
The following recommendations are general guidelines for admission to selective four-year colleges. Requirements vary from college to college; students should check in the Kimball Area High School guidance center if they have questions regarding a particular college:

•**Four (4) years of English:** emphasis on writing, including reading and speaking, literary understanding, and appreciation.
•**Three (3) years of mathematics:** most often Algebra, Geometry and Algebra II.
•**Three (3) years of science:** Earth Science, Biology, and one additional science, most often either chemistry or physics.
•**Three (3) years of social studies:** geography and one year of United States History are mandatory. (A few colleges recommend four years of social studies.)
•**Two years of a single second language:** Requirements vary among colleges. Check the college catalog for specific requirements.
•**Music, drama, and visual arts** are recommended. The Minnesota State Universities recommend three (3) credits from languages, world culture, and the arts (visual arts, performing theater arts, music, dance, and media arts.)

Entrance requirements for community colleges
Community and two-year colleges generally require that students graduate from high school or earn a General Education Diploma (GED). Admission to a community college does not automatically qualify a student for all programs. It is recommended that students planning to complete a two-year program at a community college and then complete a four-year degree should complete the entrance requirements to a four-year college.

Entrance requirements for technical colleges
Technical colleges have specific entrance requirements for each program. Check these carefully before selecting high school courses. Many business/technical college programs (e.g., Dunwoody, St. Cloud Technical & Community College) require mathematics and technology courses.

SPECIAL PROGRAM INFORMATION

College Credits in High School (Concurrent Enrollment)
Students can earn college credits in math, business, and English at KAHS. Students choosing this option will have to meet individual requirements set by the colleges for entrance to their classes and prerequisite requirements. Once a student is enrolled and makes satisfactory progress, the classes will meet both high school and college credit requirements, enabling the student to enter college with college credits already finished without having to leave the high school campus. *Student data is collected for the purpose of issuing college credit and to help measure program effectiveness*.

Concurrent Enrollment classes offered at KAHS include:

		Grade
English	College Composition I and II	12
Math	College Algebra	11-12
	College Trigonometry	11-12
	College Calculus I	12
	College Introduction to Statistics	11-12
Business	College Personal Finance	11-12
	College Intro to Business	11-12
	College Business Computers	10-12

Independent Study
An application for independent study classes is available in the high school guidance office. Independent Study courses are available only to students who have exhibited outstanding scholastic performance (3.500 average or above) and/or who need a particular focus for post-high school education preparation. Completed applications for independent study options must be approved by the Independent Study/Waiver Committee. The committee is comprised of the high school counselor, high school principal, and course teacher.

Post-secondary Enrollment Option (PSEO)
The Post-Secondary Enrollment Option Act (PSEO) enables an 11th or 12th grade public school student to enroll in courses or programs at an eligible post-secondary institution. Students may participate either as full-time or part-time students; however, students who wish to access post-secondary programs must fulfill their high school requirements. The process of fulfilling high school credits and taking advantage of post-secondary programs is quite complicated. A formal registration process should be started in our guidance office to avoid potentially serious program conflicts. Registration should be completed as soon as possible for this program.

Enrollment requirements vary with each post-secondary institution. Therefore, it is important that interested students check with the counselor when considering PSEO. The purpose of PSEO is to "promote rigorous academic pursuits and to provide a wider variety of class options to high school pupils …" [M.S. 123.3512 Subd. 2] Graduation requirements can be equalized for courses taken under PSEO (Post Secondary Enrollment Options) that parallel courses at the high school.

Students enrolled in PSEO are eligible to compete in athletics or other extracurricular activities at KAHS. Students may graduate with their class and still qualify for scholarship dollars if they are enrolled in PSEO. See the principal or a counselor for further details.

Peer Tutoring (#2) – Grades 11 & 12 only
Peer tutoring credit is available for juniors and seniors. One half credit is available to students interested in helping other students with their academic skills at the high school, junior high or elementary level. Interested students must first obtain permission from the guidance counselor and high school principal. Students receive one half credit per semester for successful completion of the peer tutoring program. Peer tutors will work with other students who struggle academically in a one-on-one setting under the supervision of the high school guidance counselor. Students who are interested may elect to work as a peer tutor in place of a study hall or teacher assistant. Grading is done on a pass/fail basis. **If a student is traveling to the elementary they are responsible for their own transportation.**

Teacher Assistants (#3) – Grades 11 & 12 only
Numerous opportunities exist to be of service within the high school and elementary building. All teacher assistant (TA) positions are subject to approval by the teacher, the counselor, and the high school principal. Students wanting to be teacher assistants should sign up for this on course registration forms and will be assigned positions by mutual agreement between teacher and student. High school students must provide their own transportation to take part in the elementary site service opportunities. Student TA's earn one-quarter elective credit per semester and may earn a total of one credit toward graduation through teacher assistant experience. No more than one student per hour may serve as a TA for any teacher, with the exception of TAs assigned to assist in a physical education class. Teacher assistants are graded on a pass/fail basis. A student must be a junior or senior to be a teacher assistant and may only be a TA for one period per semester.

Articulated College Credit
Instructors from St. Cloud Technical College and consortium partner Kimball Area High School have developed agreements to lessen course duplication for students and to smooth the transition from high school to technical college education. Upon successful completion of the agreed upon requirements for a specific course, students will earn a Articulated College Credit certificate. That certificate may then be presented at St. Cloud Technical College and will qualify the student to by-pass specific courses for which agreements have been articulated. Students who choose to attend another technical college should bring the certificate to them for consideration during the registration process as well. Articulated College Credit certificates are a FREE tuition opportunity for students. *Student data is collected for the purpose of issuing Articulated College Credit Certificates and to help measure program effectiveness.*

Articulation agreements have been completed for these courses:

Accounting	***Personal Finance***
Welding	***Computer Applications***
Business Communications	

Work Experience (#280)
Work Experience credit is available to **SENIORS** only. Students participating in Work Experience must have a part-time job **BEFORE** the start of each semester. Approval from the guidance counselor and/or principal must be obtained before enrolling in the class. Students enrolled in work experience will be required to meet in a classroom situation. The maximum length of the work experience will be one class period per day.

Students in the work experience program may earn up to one credit their senior year (counts as elective credit). Work experience students must plan carefully to ensure that they fulfill all graduation credit requirements.

Students who fail to meet all criteria established by the work experience coordinator, including attendance at all class periods assigned and a minimum average of twelve hours per week on-the-job, will be dismissed from the program without credit being granted. Also, frequent violation of school policies or a student failing the course **first or third quarter** will be cause for the student's removal from the program immediately and assigned to a study hall.

Four Year Planning Guide

Grade 9	Semester 1	Semester 2
	English 9/English 9 Honors	English 9/English 9 Honors
	Social 9	Social 9
	STEM 9	Earth & Space Science
	Math Course_____	Math Course _____
	Computer Applications	Physical Education 9
	Elective _____	Elective_____
	Elective_____ _____ Semester 1 Credits Earned	Elective_____ _____ Semester 2 Credits Earned

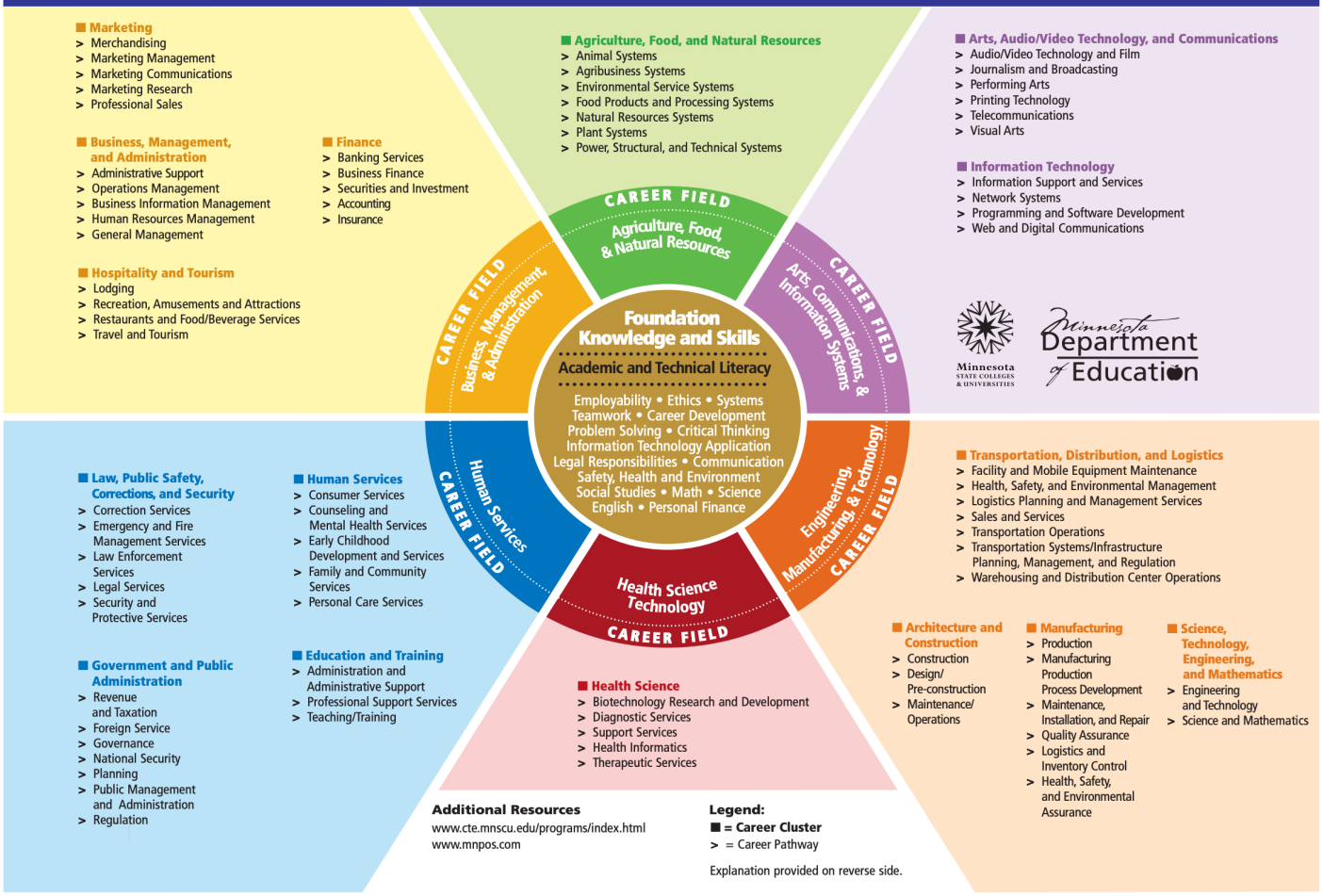
Grade 10	Semester 1	Semester 2
	English 10/English Honors 10	English 10/English Honors 10
	U.S. History	U.S. History
	Biology	Biology
	Math Course_____	Math Course_____
	Physical Education	Sr. High Health
	Elective_____	Elective_____
	Elective_____ _____ Semester 1 Credits Earned	Elective_____ _____ Semester 2 Credits Earned

Grade 11	Semester 1	Semester 2
	English 11	English 11
	World Civilizations	World Civilizations
	Math Course_____	Math Course_____
	Any Chemistry Course _____	Any Chemistry Course_____
	Per Fin/Live on Own_____	Elective_____
	Elective_____	Elective_____
	Elective_____ _____ Semester 1 Credits Earned	Elective_____ _____ Semester 2 Credits Earned

Grade 12	Semester 1	Semester 2
	English 12/College Comp	English 12/College Comp
	Economics & American Gov't	Economics & American Gov't
	Elective_____	Elective_____
	Elective_____	Elective_____
	Elective_____	Elective_____
	Elective_____	Elective_____
	Elective_____ _____ Semester 1 Credits Earned	Elective_____ _____ Semester 2 Credits Earned

Note: Elective credits must include 1.0 Fine Arts credit, & 1.0 CTE credit. Students must have a total of 6.5 elective credits to graduate. Students need 25 credits to graduate.

Minnesota Career Fields, Clusters & Pathways



Cub Career Pathways

Leaving the Den With a Plan

Agriculture, Food, & Natural Resources

Arts, Communications, & Information Systems

Health & Human Services

Business, Management, & Administration

Engineering, Manufacturing, & Technology

Students looking to enter the workforce or training programs in the following areas should consider enrolling in the courses listed. Courses shown below will incorporate careers into the course content.

Agriculture, Food, and Natural Resources

Animal Science
Agricultural Science and Careers
Basic Foods
Environmental Resources & Water Quality of Kimball
Creative Cooking
Food Chemistry
Natural Disasters
Plant Science
Wildlife and Natural Resource Management
Youth Apprenticeship

Business, Management, and Administration

Accounting
Agricultural Business Foundations
Business Communications
College Intro to Business
Digital Media
American Economics & Government
Living On Your Own
Personal Finance/College Personal Finance
Yearbook
Youth Apprenticeship

Engineering, Manufacturing, and Technology

Agriculture Advanced Woods and Metals
Agriculture Welding
Agriculture Woods
Digital Media
Film
Introduction to CADD
Introduction to Engineering and Design
Manufacturing Pathway at Coldspring
Physics
Salvage Dogs
Small Engines
STEM 9
Youth Apprenticeship

Health & Human Services

Anatomy and Physiology
Biology
Chemistry
Child Psychology
Crime Scene Investigation
Food Chemistry
Introduction to Law Enforcement
Physics
Psychology
Youth Apprenticeship

Arts, Communications, and Information Systems

2D Design
3D Design
Art History
Ceramics
Computer Applications I
College Business Computers
Digital Media
Drawing
Film Production
Mixed Media
Music History, Music Theory
Painting
Sculpture
Studio Art
Varsity Band, Varsity Choir
Yearbook
Youth Apprenticeship

Agriculture & Technology Offerings	
Course Name	**Offered**
Ag Woods	Every year
Adv Woods & Metals	Every year
Ag Welding	Every year
Salvage Dogs	Every year
Intro to CADD	Every year
Food Chemistry	Every year
Small Engines	Every year
Animal Science	Odd graduation years
Intro to Engineering Design	Odd graduation years
Plant Science	Odd graduation years
Ag Business Foundations	Even graduation years
Wildlife & Nat'l Resources	Even graduation years

Agricultural Business Foundations (#434)

Offered in **even** graduation years.

Grades: 9-12

Agricultural Business Foundations introduces students to business management in agriculture. Math, reading, and writing components are woven in the context of agriculture. Throughout the course are practical and engaging activities, projects, and problems to develop and improve business and employability skills. Additionally, students investigate and develop viable business plans in order to solve local problems. The business plan ideas are communicated to student peers and members of the professional community. This is a semester-long course.

Agriculture Woods *(#490)*

Grades: 10-12

This semester course is strictly a woodworking course and will cover all woodworking machines, safety, and operations. It will then lead into the production of woodworking furniture. The projects made will require more skill and work on the part of the student and should involve more complex and involved set ups and uses of tools. Students will be introduced to other types of finishes, plastic laminates, veneers, and other more involved procedures. There will be a lab fee to cover supplies. Students will take their completed project home. Enrolling in this course will automatically enroll you in FFA.

Advanced Agriculture Woods and Metals *(#458)*

Prerequisite: Welding and Woods, or instructor permission

Grades: 11-12

This one-semester course is designed to give students the opportunity to fine tune their metal fabrication and carpentry skills. Students will design their project, create a bill of materials, build the project, and maintain a portfolio. Students taking this course will explore local manufacturing businesses. The course will allow substantial time for individual construction projects. Students must provide their own materials. Enrolling in this course will automatically enroll you in FFA.

Agriculture Welding (Articulated College Credit) *(#464)*

Grades: 10-12

This semester course is designed to teach the basic skills required for MIG (wire feed) welding, electric arc welding, gas welding, torch work, and basic plastic and copper plumbing. After the students learn the basics of welding and plumbing, most of the time will be spent in the shop. The class will have class projects to complete. If time allows, individual projects will be allowed at the students' expense. The course is primarily based in the laboratory or shop setting with minimal amounts of classroom time. Enrolling in this course will automatically enroll you in FFA.

Salvage Dogs (Agriculture Repair, Maintenance and Construction) *(#480)*

Grades: 9-12

This semester-long course provides students with an opportunity to explore the many different areas relating to agricultural repair and maintenance. Students will develop advanced problem-solving skills as they relate to agricultural repair and construction. Students will learn and practice many different repair procedures and techniques including: plumbing, electrical, drywall, tiling, etc. This course will cover topics relating to equipment, techniques and procedures as they pertain to agriculture maintenance, repair and construction. Part of this course will include refurbishing items for a different use or an update. Students will have the opportunity to apply construction techniques in a hands-on manner. This course supports learning for students with a variety of learning styles. Enrolling in this course will automatically enroll you in FFA.

Introduction to CADD *(#451)*

Grades: 9-12

This semester-long course will introduce the student to computer-aided drafting and design. Basic computer hardware, software and operating systems will be discussed. Basic two-dimensional CADD drawing creation and editing techniques will be covered. Drawings will be created and plotted. Students will take their CADD drawings, build the designs and test the designs in the lab. Enrolling in this course will automatically enroll you in FFA.

Animal Science (#444)

Offered in **odd** graduation years.

Grades: 9–12

This semester course will study livestock and companion animals from both the consumer and producer perspective. We will learn about what products we use that come from livestock, and how to raise healthy happy pets. We will talk about animal nutrition, behavior, breeding, and anatomy. If you take this class be prepared to complete hands-on projects, taste test animal products, and learn all about how to raise and care for a number of animal species. Taking this class will automatically enroll you in FFA.

Introduction to Engineering and Design *(#450)*

Offered in **odd** graduation years.

Grade: 9-12

In this semester-long course, students will use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

Food Chemistry (#445)

Grades: 11-12

Food Chemistry is a year-long hands-on class that gives students the opportunity to learn about the chemistry of food. We will explore how water, carbohydrates, lipids and more make up the food we enjoy. We will discover the role chemistry plays in creating food and providing nutrition for our bodies. This class will fulfill the high school chemistry graduation credit and will automatically enroll you in FFA.

Plant Science (#452) Offered in **odd** graduation years.

Grades: 9-12

This semester long course will teach you not only how to keep a plant alive, but how that plant can make you money! In this class we learn about crops, the floral industry, and landscaping. You will learn how to grow, reproduce, and harvest plants. Enrolling in this class will automatically enroll you in FFA.

Small Engines *(#448)*

Grades: 9-12

Small Gas Engines is designed to study engine power as related to the small two-cycle and four-cycle gasoline engines. Students will also study four-wheelers, motorcycles, snowmobiles, chainsaws & weed-eaters, outboard motors, elect motors, auto maintenance, and student projects. Special study units will be undertaken in the following areas: history of engine power, basic principles of operation of the varied types of engines, a simple background of fuels and lubricants, the measurements of power, troubleshooting, the principle designs of the engines of tomorrow, modern engine manufacturing processes, and important industrial uses of engines power. The lab work for this semester course will consist of disassembly, assembly, and an inspection of functioning parts of all the different engines. If time allows, students will be allowed to bring to school instructor-approved small engines to fix at the students' expense. Enrolling in this course will automatically enroll you in FFA.

Supervised Agriculture Experience Independent Project (#435)

Grades: 9-12 (Ms. Gallup's pre-approval required, via email request)

This semester course is designed for students that want to take their Supervised Agricultural Experience projects to the next level and cannot fit another agricultural class in their schedule. In this course you will complete a minimum of 60 hours in your SAE, complete a proficiency application, and interview. You will also need to complete a minimum of 4 hours of community service during the semester.

Wildlife and Natural Resource Management (#456) Offered in **even** graduation years.

Grades: 9-12

Wildlife and Natural Resource Management is a semester long course that explores how humans manage and maintain wildlife and ecosystems. We will focus on wildlife identification and management, habitat conservation and restoration, invasive species, and the management of our water, minerals, soils, forests, and air. Enrolling in this class will automatically enroll you in FFA.

Note: All senior high art classes: After required projects are done for each class, the cost of take-home projects is the responsibility of the student. Students will also display at least one project for each art class during the semester art show

Fine Arts Offerings		
Grade Level	**Course Name**	**Offered**
9-12	Studio Art (#575)	Fall semester, Every year
9-12	*2D Design (#576)	Spring semester, Every year
9-12	*3D Design (#577)	Spring semester, Every year
10-12	*Mixed Media (#584)	Even graduation years
10-12	*Painting (#583)	Even graduation years
10-12	Digital Media (#580)	Even graduation years
10-12	*Sculpture (#579)	Even graduation years
10-12	Art History (#585)	Odd graduation years
10-12	*Ceramics (#578)	Odd graduation years
10-12	Film Production (#581)	Odd graduation years
10-12	*Drawing (#582)	Odd graduation years
11-12	*Advanced Art/Independent Study (#590)	Every year; instructor's approval

* $20 supply fee required

2D Design (#576) Offered **every** year; spring semester.

Prerequisite: Studio Art Supply Fee: $20

Grades: 9-12

2D Design will expose students to Drawing, Painting, and Mixed Media. Craftsmanship, creativity, and an appreciation for the elements that are inherent to well-made artworks are emphasized in this class. Students will be required to complete finished artworks as well as submit sketchbook drawings. When finished with the required work they will be able to explore more into the preferred field. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show.

3D Design (#577) Offered **every** year; spring semester.

Prerequisite: Studio Art Supply Fee: $20

Grades: 9-12

3D Design exposes students to sculpture and Ceramics. This class will be focused on developing 3 dimensional projects. This course will highlight sculpture opportunities using simple and complex forms, subtractive work, contextual considerations, found object, and 3D modeling. Students will be required to explore, design, and create 3D projects. When finished with the required work they will be able to explore more into the preferred field. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show.

Art History (#585) Offered in **odd** graduation years.

Prerequisite: Studio Art

Grades: 10-12

This course will expose students to the time periods and culture of European, African, Chinese, Japanese, and North American Art. Students will be required to learn the major artworks and artists in the world. Each unit will expose a time period and students will complete a paper on an artist of their choice from the time periods given. Material will be submitted digitally to help students develop a portfolio.

Advanced Art/Independent Study (#590)

Prerequisite: Two years of art electives, or a member in the Arts Club, and instructor's permission.

Grades: 11-12 Supply Fee: $20

This semester course is for serious art students who desire to work in depth in any area of their choice, such as drawing, painting, ceramics, sculpture, and computer art. The course is run on a contract basis. It is the responsibility of the student to provide the materials for this course. Projects include: writing a paper on an artist in their field, keeping a sketchbook, displaying a show of their artwork, and developing a portfolio. The student and instructor will mutually agree on course assignments. The student will be expected to work everyday on art during this period. Students in this course will be expected to participate in an art show.

Ceramics *(#578)* Offered in **odd** graduation years.

Prerequisite: Studio Art & 3D Design Supply Fee: $20

Grades: 10-12

This introduction to ceramics introduces students to fundamental methods of forming clay. The basic technique for hand building (pinch pot, slab construction, and coil construction) will be demonstrated. Each student will have a chance to work with and manipulate clay using plaster molds. Students will be required to develop a basic technique for throwing pots on the potter's wheel. Craftsmanship, creativity, and an appreciation for the elements that are inherent to well made functional pottery are emphasized in this class. Students will learn how to finish their pieces with various types of glaze and firing techniques. When finished with the required work they will be able to explore more into the preferred field. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show. Supply fee is due during the first week of the class; scholarships are available.

Digital Media *(#580)* Offered in **even** graduation years.

Prerequisite: Studio Art

Grades: 10-12

Digital media class introduces students to fundamental methods and programs used to make art on the computer. The basic techniques in photo editing, vector drawing, 3D modeling, and coding. The class will be exposed to new technologies and art programs. Students will explore color in design and apply art elements and principles to their projects. When finished with required work they will be able to explore more into their preferred field. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show.

Drawing (#575) Offered in **odd** graduation years.

Prerequisite: Studio Art Supply Fee: $20

Grades: 10-12

This course will develop advanced artist skills applying many drawing mediums (oil pastel, chalk, charcoal, ink, wax, marker, colored pencil and graphite) to different canvas'. Students will work with conceptual and original aspects of art. This advanced course will help develop the individual artist style. Each student will keep a sketchbook and research other artists. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show. Supply fee is due during the first week of the class; scholarships are available.

Film Production (#581) Offered in **odd** graduation years.

Prerequisite: Studio Art

Grades: 10-12

This introduction to film production class introduces students to the history of film, making storyboards, coding, basic film skills, and vocabulary. Students will view movie clips to hone their abilities as a directory or filmographer. They will be expected to create a flip book, stop motion, claymation, 10 second, 30 second, 1 minute, 3 minute, and 5 minute video. They will also be part of a class project. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show.

Mixed Media (#584) Offered in **even** graduation years.

Prerequisite: Studio Art Supply Fee: $20

Grades: 10-12

In this introduction to mixed media students will develop artworks using multiple mediums. Student will incorporate photography, bookmaking, collage, lettering, stencils, and texture to create an original artwork. Student will learn how to juxtapose images to create meaning in their artwork. Student will identify mediums that work together as well as experimenting with different canvas'. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show. Supply fee is due during the first week of the class; scholarships are available.

Painting (#583) Offered in **even** graduation years.

Prerequisite: Studio Art & 2D Design Supply Fee: $20

Grades: 10-12

This course will develop advanced artist skills in painting. Students will be exposed to acrylic, tempera, watercolor, and oil paint. Students will develop their style while being exposed to color theory and application of paint to diverse canvas'. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show. Supply fee is due during the first week of the class; scholarships are available.

Sculpture (#579) Offered in **even** graduation years.

Prerequisite: Studio Art & 3D Design Supply Fee: $20

Grades: 10–12

This course will introduce students to the materials and methods of working with three-dimensional forms. This course will cover various aspects of three-dimensional works, such as the production of simple and complex forms, subtractive work, contextual considerations, found objects, photo sculpture, installation and 3D modeling. Students are introduced to hand tools with safe shop practices. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show. Supply fee is due during the first week of the class; scholarships are available.

Studio Art (#570) Offered **every** year; fall semester.

Grades: 9-12

Studio Art introduces the foundations of art as well as experiences in art history, different mediums in two-dimensional, and three-dimensional art design. Students will be required to submit a unit on an artist, a career study in art, a bi-weekly sketchbook, and learn the basics of photography. Artwork will be submitted digitally to help students develop a portfolio. Students in this course will be expected to participate in an art show.

Business Offerings		
Grade Level	**Course Name**	**Offered**
9	Computer Applications	Every year
10-12	Accounting	Odd graduation years
11-12	Accounting II	Independent Study with teacher approval
10-12	Business Communications	Even graduation years
11-12	College Business Computers	Odd graduation years
11-12	College Intro to Business	Even graduation years
11-12	College Personal Finance	Every year
11-12	Personal Finance	Every year

Accounting I (Articulated College Credit) *(#260)*

Grades: 10-12

Accounting is a semester course that involves learning the "language of business". During the semester, students will plan, summarize, and analyze bookkeeping records for a sole proprietorship. All assignments are completed online. This is an opportunity to see what college online courses will look and feel like. Students will participate in an eMentorship with a business professional and will email on a weekly basis. Students may earn up to three articulated college credits in entry-level Accounting courses.

Accounting II (#261)

Prerequisite: Students enrolled must complete Accounting I with a final grade of B or better. The independent study course assumes student has completed Ch. 12: Preparing Payroll Records.

Grades: 11-12

Students will work for a semester to complete an accounting cycle for a merchandising business organized as a corporation. Accounting activities will include merchandising business purchases for resale, charging sales tax, and a cost of merchandise sold section on the income statement.

Business Communications (Articulated College Credit) (#262)

Grades: 10-12

Business Communications will not only be a refresher course covering keyboarding skills, but it will teach a variety of communication documents used in the business world. No matter what type of career you're seeking, this semester course will benefit you! You'll leave this class an expert at writing letters, thank you notes, a resume, professional emails, phone calls, business presentations and much more. Students will have the opportunity to earn three (3) articulated college credits in Basic Skills Keyboarding BUSM 1207(1 cr), and Introduction to Business BUSM 1267 (2 cr).

College Business Computers (Concurrent Enrollment) (#268) BUS 1100

Entrance requirements: Students enrolled must complete Computer Applications with a final grade of B or better.

Grades: 11-12

Students will utilize business computer software applications including word processing, spreadsheets, databases and presentation software to solve business problems, emphasizing professional design and organization. Additional topics include basic computer hardware, computer security and ethics, privacy concerns and professional communication standards. This class meets for one semester.

College Intro to Business (Concurrent Enrollment) (#264) BUS 1141

Entrance requirements: Reading MCA score of 1047+

Grades: 11-12

This course offers a broad overview of the business world for both business and non-business majors. It is an introduction to the business environment, business ownership, management, marketing, technology and information, human resources, and finance. This course introduces students to the concepts and knowledge of key business functions within the context of the global economy. This class will provide a foundation for other business courses and help students discover their career path while learning the fundamentals of business.

College Personal Finance (Concurrent Enrollment) *(#267)*

Entrance requirements: Reading MCA score of 1047+

Grades: 11-12

College Personal Finance is an introduction to personal financial management and planning. Topics covered in this course include key factors that affect personal income, budgeting, cash-flow management, use of credit and credit cards, planned borrowing, managing taxes and major expenditures including housing, automobiles, insurance and investments. This is a semester-long class and students who pass will earn 3 college credits.

Computer Applications (Articulated College Credit) *(#258)*

Grade: 9

If you've ever wondered how to create exciting, professional and useful items on the computer, this semester class is for you! While fulfilling the computer requirement for graduation, you will create newsletters, movies, presentations, and spreadsheets. You will become more familiar with tools in both Microsoft and Google. Students successful at demonstrating mastery of the course outcomes and achieve a final grade of "B" or better will earn (3) three Articulated College Credits for 1201-Computer Basics at St. Cloud Community and Technical College.

Personal Finance (Articulated College Credit) *(#266)*

Grades: 11-12

Personal Finance will teach you how to be financially healthy. This semester course is designed to help the student manage his/her money now and in the future. Topics covered include filing tax forms, managing credit, checking and saving accounts, budgeting, insurance, purchasing an automobile, planning for retirement, and buying a house. This is a useful course for ALL students. Three articulated college credits in Personal Money Management are available in this course.

ENGLISH

Applied Reading and Writing (#100)

Entrance requirements: teacher approval

Grades 11-12

Applied Reading and Writing is designed for students who may need additional support building reading comprehension and basic writing skills. The course is offered to juniors and seniors; it operates on a two-year curriculum cycle. Each year, students will study American literature (semester one; English 11) and British literature (semester two; English 12). Students will focus on reading comprehension, character analysis, vocabulary acquisition, and basic writing. Students will be assessed in a variety of ways including quizzes, unit tests, short writings, projects, and essays.

College Composition (Concurrent Enrollment) *(#113 & #114)*
Prerequisite: Entrance requirements of college concurrent enrollment

Attendance Policy:
More than ten absences results in no credit for course. If you are absent, it is expected you inform the instructor (prior for planned absence; by email if unplanned). Students more than ten (10) minutes tardy will be marked absent (unexcused). Teacher discretion is applied for extenuating circumstances.

Grade: 12
English 1101 (Fall): Composition 1 provides extended practice in critical reading, writing, and thinking. Course content includes the writing process, essential composition skills, and critical reasoning for various rhetorical situations. The course is designed to help students write logical, coherent, and supported essays as well as a longer, documented argumentative research paper. Students are reminded that this is a college course for college credit; therefore they should expect an increased workload as well as increased expectations in this course as compared to regular high school courses. Students must earn at least a C to take 1205 in the spring.

English 1205 (Spring): Literature and Composition provides extended practice in critical reading of literature and thinking and writing about literature. Course content includes the writing process, essential composition skills, and critical reasoning in various rhetorical situations. The course is designed to help students write logical, coherent, and supported essays, as well as a longer documented research paper based on the study of short stories, drama and poetry. Students are reminded that this is a college course for college credit; therefore, they should expect an increased workload as well as increased expectations in this course as compared to regular high school courses.

English 9 *(#109)*
Grade: 9
The year-long ninth grade English class takes a structural approach to literature. Students will study the elements of literature associated with novels, drama, short stories, poetry, and non-fiction. Major works include the drama Romeo and Juliet, To Kill a Mockingbird and Animal Farm. Essay structure and the development of writing traits will be a major emphasis throughout the year. Expository and narrative writing will be the major focus. Grammar skills will be practiced daily with periodic testing. Daily assignments, quizzes, test, and projects will be used to determine the students' final grade for this course.

English 10 *(#110)*
Grade: 10
English 10 is a year-long, required course. A variety of novels and plays will be taught which include *Of Mice and Men* and *A Midsummer Night's Dream*. Basic grammar, vocabulary, and spelling will be reviewed on a weekly basis. Each student will complete a research paper with an emphasis on format and construction of the paper. Skills based textbook work focus on the needs of the MCA III test in reading that will be taken in the spring of the sophomore year. An online reading program is integrated with classroom work to help prepare students for all types of online reading tests.

English 11 (#111)
Grade: 11
This year-long course will focus on American literature along with close examination of grammar and mechanics. Students will cover a variety of genres, including, but not limited to, public speaking, poetry, short stories, drama, and novels. There will also be several types of writing assignments to further develop research and writing skills, especially critical analysis. Assessment will include essays, tests, research papers, speeches, and analysis projects.

English 12 *(#112)*

Grade: 12

English 12 is a year-long class that focuses on the study of British literature. The reading list is rich and varied; students will read many excerpts and some complete works from classics along with more contemporary pieces. A brief overview of literary criticism will also be incorporated. Students will work to improve their writing skills along with their understanding of the English language. Compare/contrast and analysis writing will be the major focus. Assessment will include daily work, essays, tests, and presentations.

FAMILY & CONSUMER SCIENCE

Basic Foods *(#350)*

Grades: 9-10

Basic Foods is a semester class that builds on previous food-related experiences. Students will learn:

1. Culinary terms, equipment and techniques with weekly practice.
2. Nutrient content to encourage healthy choices.
3. Teamwork and menu planning through pasta challenge and a final brunch.
4. Food science experiments which are incorporated into all units.
5. Kitchen safety and proper food handling techniques.

Child Psychology *(#352)*

Grades: 10-12

This class is designed for students who are curious about their future role as parents or have a career interest related to children. Student will learn/explore:

1. Information about the growth and development of infants to age six.
2. Developmental theory with practices in a variety of educational settings.
3. Observation skills to study child interactions and theories of behavior.
4. Child safety issues along with health and nutrition topics.
5. Methods and techniques of research procedures.

Creative Cooking *(#354)*

Prerequisite: Basic Foods

Grades: 11-12

Creative Cooking is a semester course which provides in-depth practice of culinary skills, recipe selection and preparation. Students will learn/explore:

1. Principles of menu planning and food presentation.
2. Food-related trends in our culture.
3. Career options in the culinary field.
4. Research skills to explore food related topics.
5. Kitchen safety and proper food handling techniques.

Interior Design *(#356)*

Offered in **even** graduation years.

Grades 9-12

This semester-long course provides students with an opportunity to explore the many different areas relating to interior design. Students will develop advanced problem-solving skills as they relate to elements of design and housing trends and design. This course will cover topics relating to equipment, techniques and procedures as they pertain to housing. This course supports learning for students with a variety of learning styles as students will apply design techniques in a hands-on manner.

Living on Your Own *(#358)*

Grades: 11-12

This class is designed to build the foundational skills to make informed financial decisions now and in the future. Units include taxes, checking and saving accounts, paying for college, credit, investing, insurance and budgeting. A variety of online resources related to each topic explored. This class may fulfill one business elective credit (1/2 credit) or CTE elective credit (1/2 credit).

Sewing *(#360)*

Offered in **odd** graduation years.

Grades: 9-12

This semester class gives students the chance to explore creativity and design principles through sewing projects. Students will need to purchase fabric and supplies for projects. Students will:

1. Create samples and begin a digital portfolio.
2. Construct a pillowcase to donate to Buffalo Hospital, tote bag, patchwork pillow, P.J. pants or shorts, a repair to an existing garment, and one needle art such as knitting, embroidery, crochet, or counted cross stitch.
3. Choose two-four other projects. You will make a plan based on your interests and skill level.

HEALTH / PHYSICAL EDUCATION

Health, Senior High *(#510)*

Grades: 10-12

Senior High Health is a required semester class to meet both district and state graduation requirements. It is highly recommended that this course be taken during the sophomore year. This is especially important for students planning to enroll in concurrent enrollment college level classes as juniors and seniors. Topics in this class include healthy decision making, especially in regards to STDs, AIDS, family life, growth and development, reproduction and heredity, stress, first aid, and chemical use. Students will complete CPR/AED training during the course while projects will focus on stress and environmental health.

Physical Education 9 *(#519)*

Grade: 9

This semester course includes units on touch football, soccer, volleyball, basketball, badminton, ping-pong, flag football, softball, floor hockey, speedball, kickball, weight training and track events.

Physical Education, Senior High *(#520)*

Grades: 10-12

This semester course is required for all 10th grade students and includes units on volleyball, basketball, weight training, badminton, tennis, archery, golf, softball, ping-pong, floor hockey, football and speedball. Many units depend on class size and make up of class.

Team Sports & Fitness (#523)

Grades 11-12

This Physical Education class is designed for students who enjoy high energy activities and can work with others on teams of different sizes. Participation is required each day. This class will place an emphasis on several different types of sports including basketball, touch football, ultimate Frisbee, soccer, softball, team handball, speed ball, volleyball, and badminton. A fitness component that includes spending a day or two each week in the weight room will also take place. The goal is to enhance the student's knowledge of life long fitness goals. A student may choose to take this course up to two (2) times, earning a max of 1 credit.

Kimball Math Offerings					
Grade 7	**Grade 8**	**Grade 9**	**Grade 10**	**Grade 11**	**Grade 12**
	Linear Algebra	Non-linear Algebra	Integrated I (Algebra I)	Integrated II (Algebra II)	Geometry
Math 7	Linear Algebra	Algebra	Geometry or Advanced Algebra	Advanced Algebra or Geometry	College Algebra S1/ College Trig S2
	Algebra	Geometry	Advanced Algebra	College Algebra S1/ College Trig S2	College Calculus I
**Algebra	Geometry	Advanced Algebra	College Algebra S1/ College Trig S2	College Calculus I or Statistics (spring)	College Calculus II or Statistics (spring)

**With teacher approval

The Kimball Area High School math department supports the National Principles and Standards for School Mathematics which recommends that every student (9–12) should study math every year.

Non-Linear Algebra *(#211)*

Grades 9-10

This year-long course serves as the foundation for Advanced Algebra or Integrated I. Students will learn to solve and graph systems of linear equations and inequalities, exponential functions, and quadratic equations and inequalities. Students will also work on advancing their skills with rational expressions, radicals, exponents, polynomials, factoring, and basic geometry ideas.

Integrated I (Algebra II) (#214)

Grades 10-11

Prerequisite: Algebra or Non-Linear Algebra

This year-long course continues the study of algebraic equations. This course contains algebraic equations and inequalities, polynomial functions, complex numbers, and rational exponents, and quadratic equations.

Integrated II (Algebra II) (#215)

Grade 11-12

Prerequisite: Integrated I or Advanced Algebra

This year-long course concludes the study of algebraic requirements. The course contains rational equations and conic sections, sequences and series, probability and statistics, and concludes with trigonometric ratios, functions, graph identities, and equations.

Algebra *(#213)*

Grades: 8-10

This year-long course serves as the foundation for geometry and Algebra II. Students learn to solve and graph linear equations and inequalities, systems of linear equations and inequalities, and quadratic equations and inequalities. Algebra I emphasizes operations involving exponents, polynomials, and factoring skills. Functions, radicals, and connections to geometry are also introduced.

Advanced Algebra *(#216)*

Prerequisite: Algebra I and Geometry or concurrently enrolled in Geometry

Grade: 10-12

Advanced Algebra is a full year course which should be part of the preparation for any education beyond the high school level. Advanced Algebra is a prerequisite for similar courses in college. Advanced Algebra is a course of study of the real and complex numbers, logarithmic functions, exponential functions, trigonometric functions, sequences and series, conic sections, probability and statistics, and mathematical modeling.

Geometry *(#217)*

Prerequisite: Algebra or Non-Linear Algebra or Integrated II or Advanced Algebra

Grades: 9-12

This year-long course prepares students for post-secondary education. Geometry is the study of representing ideas and concepts in number and picture form. Logical reasoning, proofs, and constructions are introduced. Congruence and similarity among plane figures is studied. An introduction to trigonometry is included as well as special parts of triangles and circles.

College Algebra (Concurrent Enrollment, MATH 1114) *(#220)*

Prerequisite: Algebra II and entrance requirements of college for concurrent enrollment

Grades: 11-12 Semester One

College Algebra is a semester course that offers a review and enhancement of many of the advanced algebra topics including: functions and their graphs, systems of equations and inequalities in two and three variables, linear programming, and the algebra of matrices and determinants. Four college semester credits may be earned for this course.

College Trigonometry (Concurrent Enrollment) *(#221)*

Prerequisite: Must pass College Algebra with a "C" or better and entrance requirements of college for concurrent enrollment

Grades: 11-12 Semester Two

College Pre-Calculus is a one-semester course offering a thorough review and enhancement of trigonometric functions, analytic trigonometry and applications of trigonometry. Three college semester credits may be received upon satisfactory completion of this course.

College Calculus I (Concurrent Enrollment) *(#222)*

Prerequisite: College Algebra and College Pre-Calculus (College Trig Functions) with "C" or better and entrance requirements of college for concurrent enrollment.

Grade: 12

This course consists of a full academic year of work in differential calculus and related topics. The broad topics covered are elementary functions (algebraic, trigonometric, exponential, and logarithmic), limits and continuity. Five college semester credits may be received upon satisfactory completion of this course.

College Calculus II (Concurrent Enrollment) *(#223)*

Prerequisite: College Calculus I with "C" or better and entrance requirements of college for concurrent enrollment.

Grade: 12

This course consists of a full academic year of work in integral calculus and related topics. The broad topics covered are solving differential equations, finding areas between curves, volumes of revolution, several methods of integration, infinite series and polar coordinates. Five college semester credits may be received upon satisfactory completion of this course.

Introduction to Statistics (Concurrent Enrollment, MATH 1213) *(#225)*

Prerequisite: College Algebra and entrance requirements of college for concurrent enrollment. Prerequisite applies to students seeking college credit.

Grades: 11-12 Course offered during Semester 2

Students in this course will be shown how to organize data both with qualitative and quantitative techniques as well as compare and contrast data in frequency tables/charts or by central tendencies. Students will also be able to interpret what the data is telling them and be able to give advice based on that data. Additionally, students will be introduced to some probability as well. Students may take this course for high school credit or college credit.

Jazz Band *(#558)*

Prerequisite: Students must be registered for either Varsity Band to enroll in Jazz Band.

Grades: 9-12

Students enrolled in this class will participate in daily rehearsals before school from 7:30-8:15. Transportation to school for '0 Hour' is the responsibility of the student. Students will prepare music for performances at any concerts and Solo/Ensemble. This would also meet the requirement for College Band Students to participate in Solo/Ensemble. There may be opportunities for other performances throughout the school year. Along with this, students participating in this class will learn about Jazz History, Theory, and Improvisation. Student participation in Jazz Band will grow their skills to increase their musical abilities in all aspects of their life.

Varsity Band *(#551)*

Grades: 9-12

Varsity Band is a year-long elective course meeting five days a week. Special arrangements must be made with the director of bands before signing up for band if you have not had previous band experience. Course content is more performance-oriented than the junior high band, with students being exposed to a wide variety of performance media, including traditional band literature, contemporary works, and popular music. Emphasis is placed on the interpretation of the musical work and working out the technical fluency needed to perform advanced works. Students will be required to take 2-4 lessons each quarter. Periodic performance tests of assigned material are a major component of the grading process for all students. Students are encouraged to participate in solo and/or ensemble experiences to widen their musical backgrounds. The band performs three major concerts, has participants in solo and ensemble contests, and participates in district large group contest. Participation in the major concerts and large group contest are mandatory and will be reflected in the quarter grade. The only exception will be illness or family emergency. As well, the band performs approximately 14 times per year at athletic-related events. Pep band is required. The band also takes a concert tour on an every-other year basis to various major cities.

Varsity Band/Choir *(#552)*

Grades: 9-12

This is a combination class for those students wishing to take both band and choir.

Varsity Choir *(#561)*

Grades: 9-12

Varsity Choir is an elective, year-long course, meeting five days a week. Students learn and perform music from a wide variety of genres, eras, styles, and languages. Students gain music literacy skills by learning music theory concepts and practicing sight-singing. The choir performs in two major concerts, sings for graduation, and participates in a district large group competition. Students are encouraged to participate in solo and ensemble contest and have the option of attending honor choirs. The choir will take a field trip to the Chanhassen Dinner Theater for a meal and a show. The choir also takes a short tour with the band every other year. Choir members can raise money through fundraising to help offset the costs of a Chanhassen ticket and help pay for the tour.

Science Offerings		
Grade Level	**Course Name**	**Offered**
9	Stem 9 #430	Every year
9-12	Earth & Space Science #431	Every year
10	General Biology #410	Every year
11-12	Chemistry #420	Every year
11-12	Fundamentals of Chemistry #419	Every year
11-12	Food Chemistry #445	Every year; offered in Ag. dept
11-12	Physics #422 and #423	Every year
Elective Classes		
9-12	Env Resources & Water Quality #426	Every year
10-12	Intro to Engineering Design #450	Odd graduation years; offered in Ag dept
9-12	Astronomy #418	Even graduation years
9-12	Crime Scene Investigation #413	Every year
11-12	Anatomy & Physiology #416	Every year

Suggested Science Sequence					
Grade 7	**Grade 8**	**Grade 9**	**Grade 10**	**Grade 11**	**Grade 12**
Life Science 7	Physical Science 8	STEM 9 AND Earth & Space Sci	Biology	Chemistry Chem Fundamentals Food Chemistry	Physics or Elective

Astronomy *(#418)*

Offered in **even** graduation years.

Grade: 9-12

A semester-long course that will cover the history of astronomy and how early astronomers changed our understanding of the universe. Next, we will discuss the solar system starting with the Earth and Moon, moving out to the other planets and the Sun. We will analyze the evidence for the types, distances and brightness of stars. Lastly, we will discuss the universe including other galaxies and the origins of our universe. Along the way we will discuss what astronomical events can be observed in the night sky.

Human Anatomy and Physiology (#416)

Prerequisite: Must pass Biology with a "C" or better

Grade: 11-12

This course consists of a full academic year, and is designed for college-bound students who are interested in pursuing a career in health or biology. Minnesota's Learning Standards for Life Science are the framework for this course. Course will require students to be active participants in hands on dissections (various organs and a fetal pig), and will be expected to demonstrate knowledge on tests, quizzes and lab practicums.

Chemistry (#420)

Grades 11-12

Chemistry is a year-long high school course which is designed to prepare students for a college or vocational training in the science area. During the course, students will study matter, atoms, reactions, stoichiometry, nuclear chemistry, acids and bases, gas laws, kinetics, state of matter and organic chemistry. Over the course of the year students will be active in 50+ laboratory experiments and hands-on activities giving students the practice applying their knowledge of chemistry to real-world situations.

Crime Scene Investigation (#413)

Grades: 11-12 (Gr 10 with teacher/counselor approval)

CSI is the application of a variety of scientific disciplines to solve issues in the legal system. Focusing on forensics, this class involves the collection and analysis of evidence in order to present an argument for a crime. Students will identify and analyze a variety of evidence, and apply their understanding of biology, chemistry, genetics, and psychology. It emphasizes and encourages the development of scientific inquiry skills and transferable thinking skills. Through investigations and labs designed for this course, students will develop an understanding of the connections between science and society. Students will integrate their science skills from different disciplines in order to solve a problem in a cooperative venture that reflects the interactions in the international scientific community. This course will focus on the importance of communicating scientific ideas effectively via written, oral, and pictorial formats.

Earth & Space Science (#431)

Grades: 9-12

Earth & Space Science is a semester-long course that will cover the changing Earth in two parts. First we will learn about the short and long term movement of matter and energy through Earth's interior and surface including plate tectonics, earthquakes, mountains, volcanoes, erosion and deposition. Second, we will discuss global and local movements of the atmosphere and their effect on climate and weather. Third, we will learn about stars and gravity. We will focus on how we can calculate distance, mass, and temperature of celestial bodies. For the entire course, an emphasis will be placed on using evidence to support our models for the Earth, Solar System, and Universe. We will use current events to learn about how these processes are impacting Earth and Space on a daily, weekly, monthly and yearly basis.

Environmental Resources & Water Quality of Kimball (#426)

Grades 9-12

The semester course is broken down into two parts; water quality and environmental studies. The class will be lab based and focus first on Environmental topics such as Air/Water/Soil resources, the living world, global population and change, energy resources, and pollution. Then wrap up with water quality analysis. This course will follow a hands-on investigative style instruction, with supplemental lectures. The final project for the course will be the water quality investigation of a local lake.

Fundamentals of Chemistry (#419)

Grades 11-12

Fundamentals of Chemistry is a year-long high school alternative chemistry course structured around the fundamental concepts of chemistry. Over the year, students will be engaged in 40+ laboratory exercises and hands-on activities which give students practice applying their chemistry knowledge. Concepts are presented on a "need-to-know" basis, allowing students to experience the use and application of their chemistry learning, leading to a greater sense of motivation and feeling of ownership of their new chemistry knowledge.

General Biology *(#410)*

Prerequisite: Successful completion of Physical Science 9

Grade: 10

Biology aims to encourage students to develop an exploration of the vast and diverse world of organisms. The units covered in this year long course include scientific inquiry, cell biology, genetics, populations, evolution, ecology, and the human body. Students are encouraged to evaluate the successes and limitations of the scientific method in addressing the problems faced by global society. Students will develop an understanding of the relationship between science and technology and are encouraged to use information technology in their investigations and projects.

Physics (Mechanics Based) (Grades 11-12) (#422)

Mechanics Based physics is a semester long course designed to help prepare students for further training at college or vocational school. Over this one semester course students will study mechanics-based physics concepts; significant figures, velocity, acceleration, vectors, and forces. This course would benefit students looking to enter an engineering program. Students will have the opportunity to develop high level skills and understanding of complex materials through laboratory investigations, activities and projects. Students will also communicate their results/findings to their peers and professional community in scientific writings. Physics (Non-Mechanics Based) is suggested but not required.

Physics (Non-Mechanics Based) (Grades 11-12) (#423)

Non-Mechanics Based physics is a semester long course designed to help prepare students for further training at college or vocational school. Over this one semester course students will study Non-mechanics-based physics concepts; significant figures, heat, weaves, light and electricity. Students will have the opportunity to develop high level skills and understanding of complex materials through laboratory investigations and activities. Students will also communicate their results/findings to their peers and professional community in scientific writings. Physics (Mechanics Based) is suggested but not required.

STEM 9 (Grade 9) (#430)

This semester long course will continue the foundations of STEM introduced in STEM 7. Over this one semester class students will be involved in many hands-on activities to further develop their STEM skills, and the engineering/design process. Projects may include but not limited to toothpick bridges, 3D printed puzzles, robotic programming, creating hot/cold packs, egg catchers, and Rube Goldberg machines.

American Economics & Government (#325)

Grade: 12

This will be a required, senior only, class that incorporates American government, economics and ethnic studies embedded in MN Education standards. The course will involve college and career readiness activities, senior interviews, candidate and representative speakers, voting registration and microeconomics for semester one. For the second semester, macroeconomics, American government, Minnesota State Capitol field trip, world religions, global migration and global economy.

Psychology *(#316)*

Offered in **EVEN** graduation years.

Grades: 11-12

Psychology is a semester course where students examine a wide variety of human behavior topics including: personality, attitude, learning, and motivation. The class will analyze psychologists and trends in psychology as the field grows and changes. This highly interactive class allows students to learn more about themselves and others. Emphasis is placed on social psychology and will include portions of sociology over the course of the semester.

Social Studies 9 *(#309)*

Grade: 9

The focus of this course will be to embed the MN academic standards of United States citizenship and career investigation. Student's will be focusing on learning targets of functions of national, state and local government and how they can become active participants in our government's decision-making process. This class curriculum will be presented from the perspective of how the U.S. Constitution developed and has continued to govern our nation, with a focus of showing important connections to state and local levels. Topics covered will be a combination of academic standard requirements, student interests, instructor choices and accessible research materials.

United States History *(#310)*

Grade: 10

United States History/Geography is a year long class. First semester covers the period from the Civil War to the end of the 1920s. It will lead to a better understanding of the United States by studying the historical significance of events, people, groups, documents, and concepts as they relate to United States history. Second semester of United States History/ Geography covers the period from 1930-present day with the emphasis on the 20th Century.

World Civilization *(#311)*

Grades: 11

The function of this year-long course will be to explore diverse perspectives and human geography. Students will be taught ideas of the past and present, allowing them to create their own understanding of the cultures that shape the world. This class curriculum will be presented from the perspective of present world issues moving in reverse chronological order through time. Topics covered will be a combination of Minnesota academic standards in geography, student interests, instructor choices and accessible research materials. The Internet is used as a means of researching current issues from around the world.

WORLD LANGUAGES

Spanish I *(#191)*

Prerequisite: Grade of "C" or better in previous years English class

Grades: 10-12

The main emphasis of this class will be a base knowledge of the language elements of reading, speaking, listening, and writing. Cultural information is included throughout the year-long course.

Spanish II *(#192)*

Prerequisite: Successful completion of Spanish I

Grades: 11-12

Spanish II has a stronger emphasis on reading and speaking than Spanish I. The grammar concepts of preterit, imperfect, and conditional are presented. An emphasis on the geography, history, and government of Spanish speaking countries is included. Cultural emphasis is intensified through the food unit and exposure to other possible artistic experiences. Spanish II is a year-long course.

OTHER

Discovery Academy: Certified Nursing Assistant / CNA (#515)

Semester 1 **Not offered in 2024-25**

Grades 10-12

This course meets KAHS .5 elective credit and St. Cloud Technical & Community College HLTH 1402 Nursing Assistant, 3 credits

The student will be introduced to concepts of basic human needs for a variety of populations with emphasis on the geriatric population. The student will also be introduced to safe environment, emergency measures and basic nursing skills. Skills are performed in a supervised laboratory and in the clinical setting. This course is intended to prepare students for employment as Nursing Assistants. The Federal and State Omnibus Budget Reconciliation Act (OBRA) laws and Minnesota Department of Health requirements are met in this course.

Student Learning Outcomes:

- Summarize acceptable behavior which complies with the Resident Bill of Rights, Vulnerable Adult Act, ethics and etiquette
- Demonstrate effective communication and observation skills through conversation, active listening and gathering of facts related to resident's care
- Demonstrate appropriate resident unit order to meet safety needs of the resident and staff.
- Examine the importance of adequate food and fluid balance with elimination
- Demonstrate safe care of the resident when meeting their basic needs during activities of daily living (ADLs) which will include special populations

This is a hybrid course with students participating virtually from 7:30-8:15 am. The course includes 16 hours of skills lab/clinicals taught at a partnering facility (ie. Hilltop Care Center in Watkins) which will be scheduled at a later date. Transportation to the partnering facility is the responsibility of the student.

Eligibility requirements: Minimum 2.5 GPA or a written recommendation from counselor. For 10th grade students who register for the CNA course, students must pass the 8th grade reading MCA to be eligible.

Student fees:		
(subject to change)	Long Term Care Nursing Asst Textbook	$27.00
	Nursing Assistant Kit	$41.00
	MN Dept of Health Background Check	$20.00
	Fingerprinting	$9.10
	Nursing Assistant Exam	$225.00

Discovery Academy: Manufacturing and Engineering Pathway at Coldspring, Part 1

Quarter 1 & 2: #437 **Quarter 3 & 4: #438** Students earn 1 elective credit each semester.

Grades: 11-12 (must have permission from guidance counselor and/or principal)

Discovery Academy YouTube Video: https://www.youtube.com/watch?v=Ff4IZZQdH00

Partners from Paynesville Area Schools, ROCORI Schools, Eden Valley - Watkins Schools, Kimball Schools, St. Cloud Community and Technical College and Coldspring have partnered to deliver a Manufacturing and Engineering pathway including instruction within an industry setting.

The four school districts partner with Coldspring to deliver introductory coursework for high school juniors and/or seniors interested in learning more about manufacturing and engineering. St. Cloud Technical and Community College would provide the instructor for the following courses:

Engineering & Manufacturing Pathway I #437: ETEC 1515 - Safety Awareness (2 cr) – Qtr 1
ETEC 1517 - Maintenance Process and Production (2 cr) – Qtr 2
Engineering & Manufacturing Pathway II #438: ETEC 1526 - Quality Practice (2 cr) – Qtr 3
ETEC 1528 - Maintenance Awareness (2 cr) – Qtr 4

Each course runs for roughly one quarter. Students must register for Quarter 1 & 2 or Quarter 3 & 4 courses. A student pursuing a manufacturing or engineering career is encouraged to register for all four courses. The method of instruction is an online model with two days each semester that are in-person at Coldspring Corporation in Cold Spring, MN. Students must provide their own transportation to the Coldspring campus, much like the Youth Apprenticeship program or Work Experience. Students may register for Part 1 and Part 2 in the same year.

Discovery Academy: Manufacturing and Engineering Pathway at Coldspring, Part 2

Quarter 1 & 2: #439 **Quarter 3 & 4: #440** Students earn 1 elective credit each semester.

Grades: 11-12 (must have permission from guidance counselor and/or principal)

Discovery Academy YouTube Video: https://www.youtube.com/watch?v=Ff4IZZQdH00

Partners from Paynesville Area Schools, ROCORI Schools, Eden Valley - Watkins Schools, Kimball Schools, St. Cloud Community and Technical College and Coldspring have partnered to deliver a Manufacturing and Engineering pathway including instruction within an industry setting.

The four school districts partner with Coldspring to deliver introductory coursework for high school juniors and/or seniors interested in learning more about manufacturing and engineering. St. Cloud Technical and Community College would provide the instructor for the following courses:

Engineering & Manufacturing Pathway III #439: ETEC 1511 – DC Electronics (3 cr) – Qtr 1
ETEC 1512 – AC Electronics (3 cr) – Qtr 2
Engineering & Manufacturing Pathway IV #440: ETEC 1524 – Print Reading & Design (2 cr) – Qtr 3
ETEC 1507 – Digital Electronics (3 cr) – Qtr 4

Each course runs for roughly one quarter. Students must register for Quarter 1 & 2 or Quarter 3 & 4 courses. A student pursuing a manufacturing or engineering career is encouraged to register for all four courses. The method of instruction is an online model with two days each semester that are in-person at Coldspring Corporation in Cold Spring, MN. Students must provide their own transportation to the Coldspring campus, much like the Youth Apprenticeship program or Work Experience. Students may register for Part 1 and Part 2 in the same year.

Introduction to Law Enforcement (#313)

Grades 11-12

Intro to Law Enforcement is a basic introductory course designed to prepare students for an exciting career in the field of law enforcement. The class will give a basic knowledge of what law enforcement is or give students a better understanding of law enforcement interactions. Topics covered will include law enforcement history and future advancements, questioning procedures, legal rights, examination of routine police procedures, criminal investigations, pursuits and arrests. Students will meet professionals in the field, and participate in simulated scenarios.

Peer Tutoring (#2)

Grades: 11-12

Peer tutoring credit is available for juniors and seniors. One-half credit is available to students interested in helping other students with their academic skills at the high school, junior high or elementary level. Interested students must first obtain permission from the guidance counselor and/or high school principal and must be in good academic standing to serve as a peer tutor. Students receive one half credit per semester for successful completion of the peer tutoring program. Peer tutors will work with other students who struggle academically in a one-on-one setting under the supervision of the high school guidance counselor. Students who are interested may elect to work as a peer tutor in place of a study hall or teacher assistant. Grading is done on a pass/fail basis. If a student is traveling to the elementary they are responsible for their own transportation. Students not following through with their Peer Tutoring responsibilities will be removed from the class and assigned a study hall.

Study Hall (#7)

Grades: 9-12

Study halls are for students looking for a place to complete work and study for classes. Students may check out to the Media Center to check out materials, use computers, etc. Regular attendance is required. No credit is granted to students scheduling a study hall.

Teacher Assistants (#3)

Grades: 11-12

Numerous opportunities exist to be of service within the high school and elementary building. All teacher assistant (TA) positions are subject to approval by the teacher, the counselor, and the high school principal. To be eligible to be a TA, student must be in good academic standing. Students wanting to be teacher assistants should sign up for this on course registration forms and will be assigned positions by mutual agreement between teacher and student. High school students must provide their own transportation to take part in the elementary site service opportunities. Student TA's earn one-quarter elective credit per semester and may earn a total of one credit toward graduation through teacher assistant experience. No more than one student per hour may serve as a TA for any teacher, with the exception of TAs assigned to assist in a physical education class. Teacher assistants are graded on a pass/fail basis. A student must be a junior or senior to be a teacher assistant.

Work Experience (#280)

Grade: 12

Work Experience students must already have a work experience site when they take the class. The first two weeks of class includes classroom instructions about workplace safety, child labor laws, and eligibility requirements for their respective careers. After the first two weeks, Work Experience students will be released from school for one hour of the day to work at their placement site. They will continue to complete weekly classroom assignments online throughout the semester and check in with the teacher each day. Students who are failing the course at mid-term will receive an F for the semester and dropped from the course.

Yearbook (#573)

Grades: 11-12 (or permission from advisor)

This semester-long course is designed to allow students to explore and gain hands-on experience in the field of computer publishing. The course will be independent study using the yearbook publisher's software to create and publish a yearbook for our school. The course includes elements from the areas of: computer graphic design, photography, journalism, business sales, advertising, marketing, etc. This class can be used for elective or fine art credit. Enrollment will be limited to 3-5 students and based on individual student schedules.

Youth Apprenticeship (#441)

Grades: 11-12

Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills by Minnesota industries. Kimball's program will provide 10 hours of OSHA certification and a total of 50 hours of safety training before the student steps foot on the job site. This class will prepare students to be mindful, safe workers in any industry they select.

After two weeks of classroom instruction, **Youth Apprenticeship (#441)** students will be placed at a local company where they will have a 450-hour internship. They will be assigned a mentor, will work in a wide variety of departments and get a feel for the career opportunities available to them at that company. Students will be completing lessons online throughout the semester using Google Classroom. Students may earn up to four (4) credits in Youth Apprenticeship, one (1) credit during their junior year and up to three (3) credits during their senior year.

<u>Typical Timeline</u>

1. Student registers for Youth Apprenticeship.
2. Student meets with Youth Apprenticeship advisor to determine career cluster of most interest.
3. Companies with apprentice openings are presented to the student and parent(s).
4. Company representatives, the student, parents, and the advisor meet to overview the apprenticeship contract. A signing ceremony is held.
5. Student begins apprenticeship. Student may be released from school up to three hours each day (senior) and up to two hours each day (junior) to complete apprenticeship.

Youth in Action (#1)

Grade: 12

Youth in Action in an option for high school seniors who are on track to earn all the required credits for graduation. Students who choose this option will be required to serve 60 hours of community service over the course of the semester and receive ½ credit toward graduation at the completion of their hours. Eligible students will be excused for up to one class period per day to complete the community service. The Guidance Counselor will have a list of possible options for community service. The student, parent, organization representative, and school representative will agree to a Youth in Action contract stating expectations of the assignment.

Ideas many include volunteering at a food shelf, in a daycare/preschool, at a non-profit organization, etc. It's important to note that this is a volunteer opportunity and students should not be receiving payment for their service.