

KMS HS Registration 2025-2026



Table of Contents

Registration Process and Procedures	3
High School Planning and Information	4
Graduation Requirements	6
Agriculture.....	7
Art.....	11
Business Technology.....	12
Family and Consumer Science.....	14
Language Arts	15
Mathematics	16/17
Music.....	18
Physical Education and Health	19
Science	20
Social Studies	22
Technology	22/23
World Languages	24

Registration Process

The registration booklet has been prepared to help you work through the registration process and to enrich your educational career at the high school. All courses offered at KMS High School are listed and described in this registration book. Planning for your high school years, as well as for your next level of education, is an important process with many choices and decisions. Please consider your choices carefully.

Our Suggestions:

Discuss your plans with your parent/guardian, teachers, school counselor, and/or principal.

- ✓ Use this registration booklet to help you discover classes being offered and to find out more about special programs offered at KMS.
- ✓ Select courses that meet our district graduation requirements, as well as support future educational goals.

Registration Procedure

Acquire a course registration form either at the school or online at www.kms.k12.mn.us Complete the form indicating the courses you want and rank other options if you are unable to get into that course. Turn in the completed course registration form into the office by Monday, March 3, 2025, with a parent's signature.

Students will enter registration in school, on-line, beginning March 10. Instructor approval may be necessary for some courses.

Class Change Requests

It is our district's goal to accommodate students' educational needs. Class change requests that are made before a semester begins will be considered as long as it can be made without adversely affecting class balance. Once a semester begins, changes will be made during the first five days only. All changes after the first five days of the semester must have approval from administration, all teachers involved in the switch, and parents. After the fifth day of the semester, courses will only be changed to add a study hall. Students must have a minimum of six classes on their schedule each semester. Students need to meet with the principal or counselor for change requests. High School administration will be available on specified days during the summer to review class change requests.

If you withdraw from a class after the 5th day of the semester, your transcript will reflect a grade of "F."
Remember that only one study hall will be allowed each semester.

Academic Honor Roll

Students at KMS will have the opportunity to earn placement onto one of two academic honor rolls. The honor rolls will be calculated at the end of each quarter. A student with a GPA between 3.33 - 3.66 will be placed on the honor roll. A student with a GPA between 3.67 -4.00 will be placed on the distinguished honor roll.

National Honor Society

National Honor Society (NHS) is an organization for high school students that promotes leadership, service, character, and scholarship. Students in 11th or 12th grade with a cumulative GPA of 3.60 and higher are invited to apply in the fall. Selection is based on the four pillars of NHS. Members are required to complete 20 individual service hours per year. Members are additionally required to attend meetings and complete group service projects. Interested students should see the NHS adviser if they have any questions.

HIGH SCHOOL PLANNING INFORMATION

College Representatives

Representatives of colleges, universities, technical colleges, military branches, and private vocational schools schedule visits at our high school. Dates of these visits are given through announcements in the daily bulletin. Students are responsible for signing up with the school counselor.

College Visits

If a junior or senior wishes to visit a college, technical school, or the military, notice must be given to the office **before** the date of the appointment. Prior to the visit, pick up a form from the counselor, the completed form must be turned into the office for the absence to be excused. (Please note that “visitation day” is excused if the proper procedure is followed, and the days are counted as excused absences for attendance purposes).

U. S. Military Academies

If you are interested in applying, plan on meeting with a principal or counselor during your junior year.

Pre ACT

The pre-ACT exam is given to sophomores. The test also provides students with career information and college readiness benchmarks.

College Entrance Exam – ACT

Juniors will take the ACT test in the spring A student can choose to take the ACT again on later test dates. Please check online for available testing centers. Registration for the national ACT test is available online at www.actstudent.org. The school code for KMS is 241-280.

NCAA Division I or II Athletics

Students who want to participate in NCAA Division I or II athletics should start the certification process by the end of their junior year or early in their senior year. For more information go to www.ncaaclearinghouse.net.

Financial Aid Applications (FAFSA)/Financial Aid Night

All seniors planning to attend a two-year or four-year college must complete the Free Application for Federal Student Aid (FAFSA). The FAFSA determines eligibility for grants, scholarships, loans, and work study. The FAFSA application form is available in late fall and can be completed online at www.fafsa.gov.

Financial Aid Night is held each year during the fall or winter. A financial aid director from a Minnesota college or university presents information on the FAFSA and the entire financial aid process. Watch this year’s Financial Aid Night to be advertised in the daily bulletin.

College/University Admission Applications

Students who plan to attend a two-year or four-year college or university after high school must complete an admission application to the specific institution they wish to attend. Each institution has its own specific application deadline. It is the responsibility of the student to complete the applications by the deadlines. Applications are available online. Students should start the application process early during their senior year.

Advanced Placement (AP)

Advanced Placement is a program of college level courses and exams for high school students. The classes are designed for students with high ability and achievement and include an end of the year exam. Colleges and universities may award credit based on scores on the AP Exam. Score requirements vary by college.

MCA MATH AND READING SCORES ARE USED TO DETERMINE ELIGIBILITY.

KMS offers: AP Calculus (12th) & AP US History (10th)

Concurrent Enrollment (College Classes)

Concurrent enrollment classes are taught in our high school by KMS teachers in partnership with a college or university. Students can earn high school and college credit upon successful completion of the course at no cost to the student. Students must complete the application, meet the academic and be accepted for concurrent enrollment through the institution and register for the course to earn college credit. The DEADLINE to apply for these courses is the last day of the previous school year. The School Counselor will assist students interested in taking these KMS concurrent courses.

KMS offers: (Not all concurrent college courses are offered every year)

College Physics	College Chemistry	Ag Industry Machinery and Maintenance
College Lit. & Writing	College Anatomy	College Child/Human Dev
Agronomy Introductory	Animal Science	

Scholarship Information

State and national scholarship information sent to our school is listed and updated regularly. To view a full list of available scholarships, go to the KMS website, go the high school tab, and click on the tab labeled "Scholarship Applications." Local scholarship applications are available in the office during the winter of a student's senior year. Parents and guardians are also encouraged to pursue scholarships that are available through their employers, fraternal organizations, unions, and other service organizations. Students are encouraged to check with the financial aid department of the college or university they will be attending to pursue specific scholarships the institution has available.

Fees

Fees may be charged for individual class projects, especially in elective courses.

Study Hall

Students may register for one study hall each semester. The only exception is for students enrolled in AP courses and college credit courses on the KMS campus – these students may register for 1.5 study halls each semester. A study hall and teacher aide are considered the same.

Teacher Aide

Juniors and seniors in good academic standing can be a teacher aide with teacher permission and administrator approval. A teacher aide position would replace a study hall. You cannot have a study hall and be a teacher aide in the same semester.

Independent Study

Juniors and seniors who are in good academic standing may be able to participate in independent study. At most, one independent study may be taken each semester. Administration and teacher approval is required.

Graduation Requirements

- All students must pass criterion for College and Career Readiness.
- The KMS Board of Education requires that a student enroll in 24 credits and successfully complete 21.5 credits in grades nine through twelve in order to graduate and participate in the graduation commencement ceremony. *For courses lasting an entire school year, half of the valued credit will be issued each semester. Classes lasting one semester in length will be issued credit at the completion of the course.* To ensure that a student has enough credits to graduate, **students in grades 9-12 will be required to register for 6 credits each year. Students will not be able to register for more than one study hall. (Exception – Students that have AP or College classes can add a .5 study hall)**
- Credits students are required to complete in order to graduate are listed in the curriculum areas below:
Science must include at least one credit of a chemistry/physics Lab-based Class

Graduation Requirements		21.5 credits	
English	4 credits	Physical Education	1 credit
Social Studies	4 credits	Health	½ credit
Math	3 credits	Art/Music	1 credit
Science	3 credits	Electives	5 credits

Grade 9

English 9	1 cr.
World History	1 cr.
Phys. Sci. or Honors Phys. Sci	1 cr.
Alg. 1.5. or Geometry	1cr.
Phy. Ed	.5 cr.
Electives	1.5 - 2 cr.

Grade 10

English 10	1 cr.
US Hist. or AP US Hist	1 cr.
Biology	1 cr.
Geometry or Algebra 2	1 cr.
Phy. Ed.	.5 cr.
Health	.5 cr.
Electives	1 – 2 cr.

Grade 11

English – Choose 1 set:	1 cr.
Comm. & Literature of Film	
Lit. of Myth/Folklore & Lit of War	
College Writing & College Lit.	
World History	1 cr.
Science	1 - 2 cr.
*Basic Chemistry	
*Food Chemistry	
AP Biology	
College Physics	
College Chemistry	
Math	1 cr.
Geometry	
Algebra 2	
Trig/Stats	
Pre-Calculus	
Electives	2 - 3 cr.

Grade 12

English – Choose 1 set:	1 cr.
-Comm. & Literature of Film	
-Lit. of Myth/Folklore & Lit of War	
-College Writing & College Literature	
Social Studies	1 - 1.5 cr.
-Civics (.5 cr.)	
-Economics or CEO (.5 cr. – 1 cr.)	
Science	0 - 2 cr.
(Optional if Science credit is met)	
*Basic Chemistry	
*Food Chemistry	
AP Biology	
College Physics	
College Chemistry	
Math	1 cr.
(Optional if Math credit is met)	
Algebra 2	
Trig/Stats	
Pre-Calculus	
Calculus	
Electives	1.5 - 3 cr.

AGRICULTURE

AG Department Course Descriptions 2025-2026

KMS Agricultural Education offers coursework in all career clusters of agriculture. Students are able to pick and choose or complete all courses in a specific cluster. Some courses are offered each year, others are offered on a rotational basis. See the descriptions for each class below.

Every Year	2025-2026	2026-2027
Welding 1 (1 sem.)	Adv. Floral Design (2 sem.)	Plant Science (1 sem.)
Welding 2 (1 sem.)	College Machinery Maint. (1 sem.)	Advanced Ag Mechanics (1 sem.)
Intro to Ag (1 sem.)	Field Crop Production (1 sem.)	Ag Processing (1 sem.)
Intro to Ag Mechanics (1 sem.)	Ag Business (1 sem.)	Exploring Wildlife (1 sem.)
Livestock Prod. A & B (2 sem.)	Pets & Compan Animals (1 sem.)	Vet Science (1 sem.)
College Animal Science (1 sem.)		
College Agronomy (1 sem.)		
Work Based Learning (2 sem.)		
Floral A & B (2 sem.)		

All Career Clusters/ General Education Courses

38 Work Based Learning

gr. 11-12 / 1 - 2 semesters

Prerequisites: Instructor and Administration Approval All students must be enrolled in another agriculture course to participate in work-based learning. Previously called OJT, this course will be following the new state requirements, including students will be required to complete a curriculum that will be delivered via google classroom. The course will be graded on an A-F scale.

Career investigation is the primary focus of this personal study course. Students will maintain a job for the duration of the course. If they are not employed or following class procedures, they will be dropped from the program. Students will complete career projects and will be required to participate in a job shadow. This class is subject to **instructor and administration approval**. Students must be making adequate progress towards graduation and maintain excellent school attendance. All students must be enrolled in another agriculture course to participate in Work Based Learning.

40 Intro to Agriculture

gr. 9 / 1 semester

Prerequisites: None

Make ice cream. Learn how to run a meeting. What is Agriculture? How does it affect you? These are some of the topics we will explore in this agriculture course. By utilizing laboratory, classroom, and personal study this course will gain experiences in Agriculture Leadership, Minnesota Agriculture, and Careers in Agriculture. Students will be given the opportunity to sample other agricultural education course offerings through micro units in Animal Science, Plant Science, Companion Animals, Agribusiness, and Agricultural Mechanics.

AGRICULTURE

AG BUSINESS

35 Ag Business

gr. 9 - 12 / 1 semester

Is agriculture or farming in your future? Do you want to work in agri-business? Or are you just interested in agriculture? Ag Business will deal with the marketing of crops and livestock, as well as principles related to making financial decisions on farms of all sizes. Classroom instruction and projects will comprise the majority of this class.

ANIMAL SYSTEMS

32 Pets and Companion Animals

gr. 9 - 12 / 1 semester

Horses, Dogs, Cats, Rabbits, and Alternative Agricultural Animals are the focus of this exploratory animal science course. What does it take to be a responsible pet owner? Students will develop competencies in small animal agriculture and science concepts. Students will be working with animals in hands-on situations. This class utilizes laboratory, classroom, and projects for instructional materials

181 Vet Science

gr. 9 - 12 / 1 semester

This course will cover concepts related to veterinary science. Students will conduct labs that simulate practices seen in a veterinary clinic. Other topics covered will be related to large or production animals including cattle, pigs, sheep, goats, poultry, and horses.

42 / 44 Livestock Production A and B

gr. 9 - 12 / 1 semester

Students will take a deeper look into animal agriculture and what goes into the production of livestock. Course will include topics such as: genetics, nutrition, reproduction, production of beef, dairy, swine, and much more. Livestock Production A main focus will be genetics, reproduction and beef. Livestock Production B main focus will be nutrition, dairy and swine.

43 College INTRODUCTORY ANIMAL SCIENCE

gr. 11 - 12 / 1 semester

Not required but highly recommended to have taken any of the following classes: Livestock Production A and B or Vet Science or Companion Animals

Prerequisites:

Seniors: Top 1/2 of graduating class or 2.5 GPA. Accuplacer or ACT score can be considered.

Juniors: Top 1/3 of graduating class or 3.0 GPA. Accuplacer or ACT score can be considered.

Sophomores: Instructor approval and college requirements met

This class is offered for concurrent college credit with Ridgewater Community and Technical College. Students must meet eligibility requirements to enroll. Students may have taken High School Animal Science/Livestock Production, but it is not a prerequisite. This course provides an overview of the livestock industry with emphasis on the production and management of meat and dairy producing animals. Other topics covered include reproduction, nutrition, and market classification and grading of livestock.

FOOD PRODUCTS AND PROCESSING SYSTEMS

41 Ag Processing

gr. 9 - 12 / 1 semester

Jams, Jellies, Meat cuts...how does food make it from the farm to the plate? In this class we will use hands-on experiences to explore food processing. Topics include: food safety, meat science/processing, other foods (jellies, jams, cereal grains, dairy products, etc.)

AGRICULTURE

ENVIRONMENTAL AND NATURAL RESOURCES

47 Exploring Wildlife

gr. 9 - 12 / 1 semester

White tail deer, bear, ducks and pheasants are some of the animals discussed in Exploring Wildlife. Students will utilize projects and classroom instruction to gain insight into wildlife in Minnesota. Course topics include building wood duck houses and habitat exploration.

POWER STRUCTURAL AND TECHNICAL SYSTEMS

33 Intro to Agricultural Mechanics

gr. 9-12 / 1 semester

This mechanics course will focus on the concepts and mechanics used to build buildings and farm structures. Students will focus on the basics of measuring, electricity, welding, hydraulics, and more. Course will focus on more hands-on activities with real life applications.

182 Advance Agricultural Mechanics

gr. 10 - 12 / 1 semester

Prerequisites: Intro to Ag Mechanics or Instructor Approval

Students will dive deeper into agricultural mechanics topics including Precision agriculture, Electrical control systems, Diesel components in agriculture equipment, and Hydraulics. Students will focus on the technician side of agricultural mechanics, with an emphasis on giving hands-on experience in those areas. Students will work through the CASE curriculum for Technical Application of Agriculture.

183 College Ag Industry Machinery Maintenance

gr. 11 - 12 / 1 semester

Prerequisites: Intro to Ag Mechanics and Advance Ag Mechanics

Seniors: Top 1/2 of graduating class or 2.5 GPA. Accuplacer or ACT score can be considered.

Juniors: Top 1/3 of graduating class or 3.0 GPA. Accuplacer or ACT score can be considered.

Sophomores: Instructor approval and college requirements met

This class is offered for concurrent college credit with Ridgewater Community and Technical College. This course covers the principles of servicing and maintaining agricultural industry equipment with emphasis on power units, fertilizer and chemical equipment, pickups and trucks, including hydraulic, diesel systems, engine repair and electrical systems.

108 Welding 1

gr. 10 - 12 / 1 semester

Prerequisites: None

This class is designed for students that want to learn the basics of welding and metal fabrication. Students will learn about the fundamentals of welding, how to weld using MIG, TIG, and ARC, and project development. We will have the opportunity to work with welding professionals from RELCO, West Central Steel and Central Minnesota Fabrication.

118 Welding 2

gr. 10 - 12 / 1 semester

Prerequisites: Welding 1 or instructor approval

This class is designed for students to dive deeper into welding and metal fabrication. Students will continue to work on their welding basics and project development. Students will work more on project development and building. We will also have the opportunity to work with welding professionals from RELCO, West Central Steel and Central Minnesota Fabrication. ****Students are expected to pay for all personal project supplies****

AGRICULTURE

PLANT SYSTEMS

34 Plant Science

gr. 9 - 12 / 1 semester

Prerequisite: None

This course focuses on the anatomy of plants. We will cover a variety of subject areas including the role of plants, plant parts and functions. Each student will be required to create and maintain their own plant science experiment (in the classroom). This course is 60% laboratory/hands-on experiences.

184 Field Crop Production

gr. 9 - 12 / 1 semester

Prerequisite: Plant Science or Instructor Approval

Corn, soybean, small grains and sugar beets, oh my!!! This course will cover some of the management practices of these crops, specifically focusing on corn and soybean production. We will focus primarily on plant stages, planting, fertilization and harvesting.

186 / 189 Floral Design A and B

gr. 9 - 12 / 1 - 2 semesters

This course will meet the art requirement for graduation.

Students will work with fresh and artificial flowers. The class will cover basic floral design construction, flower identification, principles of design, pricing, and project work. Students get to make and take creative and fun fresh flower designs home!

46 Advanced Floral Design

gr. 11 - 12 / 2 semesters

Prerequisite: Floral Design or Instructor Approval

Students will advance their skills from floral design, learning how to make additional types of arrangements. Students will assist with the management and creation of designs for sale to the public. They will work in small groups to make cascading designs and party arrangements, similar to the wedding project from Floral 2. This class is not offered as an art course, it is intended for students to learn technical floral design skills and put them into practice.

45 College Agronomy

gr. 10 - 12 / 1 semester

Prerequisites: Plant Science recommended

This class is offered for concurrent college credit with Ridgewater Community and Technical College. Students must meet eligibility requirements to enroll. Plant growth and development of Monocot and Dicot plants; basic plant anatomy and growth stages; methods of plant reproduction and seed production; plant genetics, basic plant physiology; photosynthesis, respiration, and plants response to weather and other environmental factors.

Prerequisites:

Seniors: Top 1/2 of graduating class or 2.5 GPA. Accuplacer or ACT score can be considered.

Juniors: Top 1/3 of graduating class or 3.0 GPA. Accuplacer or ACT score can be considered.

Sophomores: Instructor approval and college requirements met

ART

100 Art 1

gr. 9 - 12 / 2 semesters

In this entry level course, students will create with a variety of mediums as they engage in drawing and painting activities, including pencil, ink, charcoal, pastel, acrylic, and watercolor. They will complete a series of projects, processes, and experiences designed to improve art making skills. Students are required to do two outside of class drawings per quarter.

101 Art 2

gr. 10 - 12 / 2 semesters

Prerequisites: Art 1

Students will build upon the knowledge and skills learned in Art 1 as they further develop their artistic intent and personal voice. They will continue to explore 2D projects and create original works of art with multiple materials/mediums, as well as venture into sculpture and 3D projects. Art history will be intermingled with projects throughout the year. Students are required to do 2 outside class drawings per quarter.

103 Art 3

gr. 11 - 12 / 2 semesters

Prerequisites: Art 2

This is an advanced level course focused around a specialized area of drawing, painting and/or around the exploration of a variety of media and techniques. In addition, students will be directed in developing their own creative voice and experience a range of media.

147 Visual Media & Design

gr. 9 - 12 / 1 semester

This class is all about creative design! You will use the latest software and the elements and principles of art to solve design challenges and create fresh, exciting, and memorable design for the 21st century. Explore the process of creativity from brainstorming ideas to production and presentation, as well as careers available to designers.

150 Art & Interior Design

gr. 9 - 12 / 1 semester

When you walk into a room, do you imagine your own design? This class focuses on housing through design as well as a functional perspective. The class will explore architectural and furniture styles, kitchen design, and how to use the elements and principles of design to create room arrangements. Students will draw floor plans, create renderings, and learn how to implement a design plan.

148 Digital Photography

gr. 10 - 12 / 1 semester

Digital Photography is an introductory course to give students the fundamental skills of creating high quality digital photos, primarily with their own phones, and processing them using industry standard software such as Adobe Lightroom and Photoshop. We will look at work from famous photographers and create photo journals to display the various themes studied. Students will attend one KMS event to operate the livestream camera (with instructor assistance).

146 Video Arts

gr. 10 - 12 / 1 semester

Stories told with video and film have a tremendous influence on our attitudes and perceptions of the world around us. By writing, editing, and producing digital video, students develop and demonstrate skills in technological literacy, critical thinking and problem solving - skills that will serve them well in the real world. Students will attend one KMS event to operate the livestream camera (with instructor assistance).

BUSINESS TECHNOLOGY

Business Professionals of America (BPA)

Any student enrolled in a business education course is eligible to be part of the student organization BUSINESS PROFESSIONALS OF AMERICA. Through BPA members learn how to work effectively with others and take advantage of every opportunity to learn and understand the needs of employers. Members demonstrate occupational and leadership skills in competitive events. Competitive events are offered at the regional, state, and national level. Members prepare for a citizenship role through leadership development, activities, workshops and conferences.

Independent Business

gr. 9 - 12 / varies

Prerequisites: Instructor approval

Students enrolled in this independent course will study in-depth various business themes including entrepreneurship, business climates, ethics, computer programs and current business issues. Students will independently research these topics and prepare reports or simulations relevant to their topic. (Eligible for BPA)

92 Intro to Computer Applications I - 9th Grade

gr. 9 / 1 semester

Prerequisites: None

Technology is continually changing in our society and most careers require knowledge of computer technology. Students in this course will expand their computer knowledge by working with Windows XP, word processing (Word), spreadsheets (Excel), database (Access), and slide presentation software (PowerPoint). An emphasis will also be placed on improving keyboarding skills throughout the semester. The objective of this course is to develop advanced computer skills required for the twenty-first century. Students will have an opportunity to learn advanced word processing features of (Word), spreadsheets (Excel) and database (Access). Students will have an opportunity to put together multi-media presentations using PowerPoint. College credit can be obtained at a two-year college by completing this class and maintaining a B average or better in this course. (Eligible for BPA)

144 Computer Applications 1

gr. 10 - 12 / 1 semester

Prerequisites: None (strongly recommended 10-12th grade)

Technology is continually changing in our society and most careers require knowledge of computer technology. Students in this course will expand their computer knowledge by working with Windows XP, word processing (Word), spreadsheets (Excel), database (Access), and slide presentation software (PowerPoint). An emphasis will also be placed on improving keyboarding skills throughout the semester. The objective of this course is to develop advanced computer skills required for the twenty-first century. Students will have an opportunity to learn advanced word processing features of (Word), spreadsheets (Excel) and database (Access). Students will have an opportunity to put together multi-media presentations using PowerPoint. College credit can be obtained at a two-year college by completing this class and maintaining a B average or better in this course. (Eligible for BPA)

145 Computer Applications 2

gr. 10 - 12 / 1 semester

Prerequisites: Computer Applications 1 or Intro to Computer Applications 9

The objective of this course is to develop advanced computer skills required for the twenty-first century. Students will have an opportunity to learn advanced word processing features of (Word), spreadsheets (Excel) and database (Access). Students will have an opportunity to put together multi-media presentations using PowerPoint. College credit can be obtained at a two-year college by completing this class and maintaining a B average or better in this course. (Eligible for BPA)

BUSINESS TECHNOLOGY

96 Accounting 1

gr. 9 - 12 / 2 semesters

Accounting provides the basic background of accounting principles and financial management where students will prepare for work or education in specific areas of business. Students will prepare basic accounting documents manually as well as on the computer. The students will acquire knowledge of journals, ledgers, financial statements as well as banking, payroll, voucher, and petty cash systems for single owner, partnership and corporation type businesses. College credit can be obtained at a two-year college by completing this class and maintaining a B average or better in this course. It is recommended that Accounting 1 be taken in the junior year so that Accounting 2 can be taken the senior year. (Eligible for BPA)

97 Accounting 2

gr. 10 - 12 / 2 semesters

Prerequisites: Accounting I

This second year course is a continuation of Accounting I. This class will cover different forms of business ownership by journalizing, posting, and reporting transactions of a business. In addition to recording the daily activities of the business, the student will be introduced to managerial concepts. A computerized simulation will be completed during this course. College credit can be obtained at a two-year college by completing this class and maintaining a B average or better in this course. (Eligible for BPA)

190 Personal Finance

gr. 9 - 12 / 1 semester

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics will covered will include income, money management, spending credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and savings accounts; demonstrate knowledge of finance; debt and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal finance decisions. This course is designed to use the latest technological tools, computer simulations, and equipment to complete coursework for this class. (Eligible for BPA)

89 Entrepreneurship

gr. 9 - 12 / 1 semester

Explore the world of business. The students will learn about the many forms of business. Students will develop a company and prepare a marketing and business plan. They will also learn about business finance, market research, and product development, in the course. (Eligible for BPA)

192 Sports Marketing and Entertainment Management

gr 9 - 10 / 1 semester

This course focuses on marketing in general and you will learn about the different aspects of sports and entertainment marketing, as well as hospitality and tourism marketing. Students will gain an understanding about what marketing is, examine the marketing mix, conduct consumer research and take a look at the different types of careers in these areas of marketing. You will also be going through a simulation to start your own professional sports franchise team. (Eligible for BPA)

99 CEO/Advanced Economics:

gr. 11 - 12 / 2 semesters

West Central Creating Entrepreneurial Opportunities (WCEO)

Prerequisite: Application approval

Start your very own business! The goal of the WC-CEO class is for participating students to have a hands-on/real world entrepreneurial opportunity to start their own business. Instead of learning about entrepreneurship in a classroom setting, this class meets at a local business and not at the high school. You will visit twenty to thirty local businesses throughout the year and have numerous guest class speakers. You will have the opportunity to present your business plan to local banking investors and entrepreneurs via private meetings. Finally, you will showcase your business at the annual trade show. YOU will graduate from this class owning your own business! This class will run 7:30 - 8:30 am. Students from KMS, MACCRAY, CMCS, and RCW school districts make up this year-long class. Eighteen to twenty-two juniors or seniors will be selected through an application process to participate in the year-long class

FAMILY AND CONSUMER SCIENCE

81 Intro to FACS

gr. 9 - 12 / 1 semester

Intro to FACS will cover the following areas: *Child Growth and Development* centers on the growth and care of infants, toddlers and preschool children. Students will work with children in the KMS preschool. *Housing and Interior Design* discusses the fundamentals of design. These are used in designing and developing a house plan complete with color swatches and furniture samples. An oral presentation is made in class. Other areas of study included will be: *Textiles and Clothing* includes learning basic construction techniques by creating a tote bag, pillowcase and knit hat. *Foods and Nutrition* includes cutting techniques, how to bread, shred, toss, simmer, bake fruits and vegetables, scald, poach, fry eggs, scramble eggs, pan-fry, stir-fry, brown, flake, dissolve, knead, make quick and yeast breads, to roll, cream, beat, fold and cut in. Teamwork and time management skills will be practiced along with kitchen safety and sanitation skills.

82 Foundations/Fundamentals of Food Preparation

gr. 11 - 12 / 1 semester

This course is an opportunity to incorporate preparation techniques, menu planning, shopping skills, and nutrition application with creativity and teamwork skills in the area of food preparation. Students will use kitchen appliances, and safety and sanitation practices extensively. A variety of resources will be used.

83 Global Foods

gr. 11 - 12 / 1 semester

Students will explore foods and cultures of other ethnic groups and countries. The students will have the opportunity to incorporate preparation techniques, menu planning, nutrition application with creative and teamwork skills. A variety of resources will be used.

84 Independent Living

gr. 10 - 12 / 1 semester

“Living on your own” continues to be one of life’s greatest adventures. Along with the adventure come the responsibilities of making personal decisions. Money management, choosing and furnishing an apartment, purchasing a vehicle, paying for the insurance, relationships, buying and eating good food, finding and keeping a job, caring for children, leisure time use and hobbies, choosing and caring for clothing are choices that need to be made living on your own. Ind. Living provides the opportunity to examine these choices through a variety of projects and speakers.

87 College Childcare and Human Development (Ridgewater EDUC 1125)

gr. 11 - 12 / 1 semester

Prerequisites: 2.5 GPA. Accuplacer and MCA scores can be considered.

Students will develop an understanding of the responsibilities of raising and caring for children. Developmental stages and theories of children will be discussed. Students will observe and work with children of all ages in a variety of settings in the school and community. 3 College Credits will be granted upon successful completion from Ridgewater

88 Apparel/Textile Design & Construction

gr. 10 - 12 / 1 semester

Prerequisites: None for classroom. However, teacher approval is needed for an independent study.

This is a semester long class with the opportunity to develop textile construction skills by establishing learning goals and working on self-determined projects. Each project completed will increase textile construction skills. Students must have some knowledge of sewing machine operation and be an independent learner.

86 Textile Fabric Art

gr. 10 - 12 / 1 semester

Prerequisites: None for classroom. However, teacher approval is needed for an independent study.

This semester long class where we will explore different uses for fabric implementing a variety of hand and machine techniques. At the end of the class students will have a diverse understating of different fabrics and techniques that can be used to showcase their unique style and creative growth.

ENGLISH LANGUAGE ARTS

A minimum of 4 ELA credits are required for graduation

3 English 9

gr. 9 / 2 semesters

English 9 is a general survey course which emphasizes reading comprehension (fiction and non-fiction), critical thinking skills, and writing. The *Adventures of Ulysses*, *Romeo and Juliet*, and *The Book Thief* are the larger works which will be read. In writing, the focus is on conducting research, writing a story with research and the use of MLA citation. Other writings that students will complete will be to demonstrate understanding, connections, and analysis in various lengths and styles. Grammar topics include review of parts of speech, sentence parts. Introduce phrases in sentence structure.

4 English 10

gr. 10 / 2 semesters

This class covers a broad range of American Literature. Students will be exposed to various formats of literature from early American history through more contemporary 20th century novels and short stories. Students will be expected to participate in class discussions, complete formalized writing assignments, analyze texts, compare/contrast literary formats, and more. Students who enroll in this course should be prepared to complete assignments by given deadlines to participate in classroom discussions.

5 Communications

gr. 11 - 12 / 1 semester

This semester course will focus on communication theory, communication styles, and the role of communication in various settings. Students will read and analyze various speeches and non-fiction writing, evaluate speech presentation/delivery, give presentations, work on various projects to demonstrate understanding of communication styles, etc. The focus of this course is analysis and theory. This course will be presented Semester 1, followed by Literature of Film semester 2.

142 Literature and Film

gr. 11 - 12 / 1 semester

This class will examine the relationship between literature and film. We will use literature (primarily short stories and novellas) and film to work with critical thinking and communication. Students will read various pieces of literature and watch films, and write about them, to develop reading, writing, listening, and speaking skills. Not only will students work to write analysis and critics of both film and literature and will have the opportunity to create their own adaptations. This course will be presented Semester 2, following Communications.

140 Literature of Mythology, Legend, and Folklore

gr. 11 - 12 / 1 semester

This class will focus on mythology, legend, and folklore from around the world. Students will learn about the characteristics and purposes of these stories, and how they relate to history, art, and society. Students will have the opportunity to research and present different cultures and their stories. This course will be presented Semester 1, followed by Literature of War.

16 Literature of War

gr. 11 - 12 / 1 semester

Students will read a mix of short stories, novels, non-fiction, poetry, and other literary works that will focus on themes and concepts of war throughout history, including the men and women who fought in the wars and the families they left behind. Students will have the opportunity to research and present various aspects of conflict and war. This course will be presented Semester 2, following Literature of Mythology, Legend, and Folklore.

ENGLISH LANGUAGE ARTS

7 College Writing 151

gr. 11 - 12 / 1 semester

ENG 151 - Academic Writing (SMSU)

Prerequisites: B- or better in 10th grade ELA, Passing MCA score, Teacher approval

***Seniors: Top 1/2 of graduating class or 3.0 GPA. (ACT score of 50th percentile can be considered)**

***Juniors: Top 1/3 of graduating class or 3.0 GPA. (ACT score of 70th percentile can be considered)**

This college course is through SMSU and will enable students to determine a writing purpose, generate ideas to support a topic, determine an audience, develop a focus, and organize a written text. There will be a variety of writing in the course involving research, argument, exposition, narrative, and/or reflection. At least two papers will involve a research component through which students begin to learn the conventions of citation and documentation. Furthermore, the class will enable students to learn how purpose and audience affect the content, language, and form of a written text. Students must meet minimum writing objectives as determined by the English Department's placement procedures in order to be placed into this course for college credit. This course is worth 4 colleges and is a semester long. It will be taken in conjunction with LIT 150 - Global Perspectives.

141 College Literature 150

gr. 11 - 12 / 1 semester

LIT 150 Global Perspectives (SMSU)

Prerequisites: B- or better in 10th grade ELA, Passing MCA score, Teacher approval

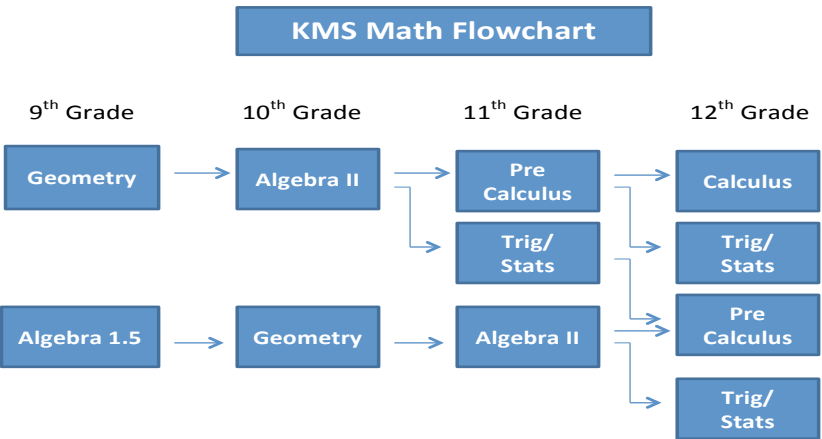
***Seniors: Top 1/2 of graduating class or 3.0 GPA. (ACT score of 50th percentile can be considered)**

***Juniors: Top 1/3 of graduating class or 3.0 GPA. (ACT score of 70th percentile can be considered)**

Global Perspectives is a college class through SMSU that will deepen students' understanding of literature as an art form as well as strengthen students' ability to read and write about short stories, poems, novels, and drama critically. For this course, students will study works past and present which explore both the nature of humanity and humanity's relation to the world. The course will introduce students to literature from primarily outside the United States to enable cross-cultural comparisons. Students will exhibit their ability to read and write about literature critically and analytically through discussions, writing assignments, presentations, tests, and other assignments. Students taking this course for college credit will need to meet SMSU's eligibility requirements. This course is worth 3 colleges and is a semester long. It will be taken in conjunction with ENG 151 – Academic Writing.

MATHEMATICS

A minimum of 3 math credits are required for graduation



MATHEMATICS

A minimum of 3 math credits are required for graduation

49 Geometry

gr. 9 - 11 / 2 semesters

Prerequisites: Alg. 1.5, B- or better in Algebra 1, or teacher permission

A scientific calculator is needed for this course. This is a basic course in learning how to think inductively and deductively. Topics cover studies in proofs, ratio and proportion, area and volume formulas, with introductions to trigonometry, analytical geometry, and vectors.

52 Algebra 1.5

gr. 9 / 2 semesters

A scientific calculator is needed for this course. This course covers proportional reasoning, linear equations, functions and linear modeling, systems of equations and inequalities, and exponents. This course is designed for students who need reinforcement in algebra skills before taking Geometry.

53 Algebra 2

gr. 10 - 12 / 2 semesters

Prerequisites: Geometry

A scientific calculator is needed for this course. This course covers linear modeling, systems of equations and inequalities, functions and relations, exponential, power and logarithmic functions, quadratic functions and relations, and polynomial relations and functions.

54 Trigonometry /Statistics

gr. 11 - 12 / 2 semesters

Prerequisites: Algebra 2

Advanced mathematical topics including trigonometry, probability, and statistics will be covered. This course is designed to aid students going on to post-secondary mathematics courses. *A scientific calculator is needed for this course.*

55 Pre-Calculus

gr. 11 - 12 / 2 semesters

Prerequisites: B- or better in Algebra 2, Teacher recommendation

This course consists of the study of more advanced topics from Algebra 2 and Trigonometry and introductory topics for Calculus. A graphing calculator (TI-84 or TI-84 plus) is required.

56 AP Calculus

gr. 12 / 2 semesters

Prerequisites: B- or better in Pre-Calculus and a passing score on the MCA 11th grade Math test

This course consists of the study of differential calculus of one variable using elementary functions. Applications of these concepts and an introduction to integration are also included. A graphing calculator (TI-84 or TI-84 plus) is required.

MUSIC

77 Senior High Band

gr. 9 - 12 / 2 semesters

Prerequisites: Junior High Band

****Band is a year-long course, and students are required to stay in band for both semesters.**

Senior High Band is a continuation of the skills learned in Junior High Band. Students must have passed Junior High Band in order to participate in Senior High Band. We offer a wide range of musical styles and elements and have a strong emphasis on performance both in the large group band setting and in a small ensemble or solo setting. To create a well-rounded musical education, we also offer Senior High Band members: Jazz Ensemble I, Pit Orchestra (every other year), Pep Band (required) and Marching Band (strongly encouraged), Honor band opportunities and Solo/Ensemble contest. Students are required to play in a few concerts throughout the year. Concerts take place in November, March, and May. Those in band also participate in the MSHSL large group contest, Memorial Day and graduation. All students will have the opportunity to take band lessons. Everyone will receive a grade for attending a certain number of lessons each quarter.

Students may also take advantage of the MacPhail Online program with private lesson instruction offered with an option to receive a half credit via independent study. See Mr. Sikkink to see if you are eligible for this option with MacPhail. Senior High Band meets every Monday, Wednesday, and 1/2 a period on Friday.

75 Senior High Choir

gr. 9 - 12 / 2 semesters

Prerequisites: Completion of Jr. High Choir and/or permission from the Director

****Choir is a year-long course, and students are required to stay in choir for both semesters.**

Senior High Choir is a performing group that sings a wide variety of music, including 15 Century to the present. Students in a choral music program tend to achieve higher levels in all areas of school. The choir presents several concerts a year, and may include a Fall Concert, Holiday Concert, Spring Concert, and the Pops/Senior Awards Concert. A small group performs on Veteran's Day, and at the Memorial Day Service. The choir must perform at graduation. If you are a member of the KMS Sr. High Choir, you are also eligible to audition for the KMS Pop Group, solo and ensemble contest, and other community events. Those in choir also participate in the MSHSL Large Group Contest (Required) and the MSHSL Solo/Ensemble Contest (Optional) and gives choir members an opportunity to perform solos and/or ensembles at a contest where they are judged by a choral judge. The choir may also attend festivals, sing at functions in area communities and go on trips. Choir members are also encouraged to sing the National Anthem at athletic events, concerts, and other school and community activities. Senior High Choir meets Tuesdays, Thursdays, and ½ Fridays. Individual and Group Lessons are required for all choir members, and sectionals are also required for all choir members 1-3 times each quarter. You earn a letter in choir if you are in the KMS Pop Group or participate in the Solo and Ensemble Contest.

Physical Education and Health

**1 credit of Physical Education
and .5 credit of Health
are required for graduation.**

133 Physical Education 9

gr. 9 / 2 semesters

The department's objective is to provide opportunities for students to experience a variety of activities. The activities taught during the semester are: Golf, soccer, flag football, softball, volleyball, fitness activities, racket sports (pickle ball and badminton), basketball, recreational games, floor hockey. The objective of physical education is to teach muscular strength, endurance, coordination, skill, leadership and an appreciation of lifetime sports. This appreciation is gained through teaching of fundamental skills, playing games and knowledge of rules.

134 Physical Education 10

gr. 10 / 2 semesters

The department's objective is to provide opportunities for students to experience a variety of activities. The activities taught during the semester are: Golf, soccer, flag football, softball, volleyball, fitness activities, racket sports (pickle ball and badminton), basketball, recreational games, floor hockey. The objective of physical education is to teach muscular strength, endurance, coordination, skill, leadership and an appreciation of lifetime sports. This appreciation is gained through teaching of fundamental skills, playing games and knowledge of rules.

135 Health 10

gr. 10 / 2 semesters

Health involves studying about yourself and how to improve your physical and mental health. We will study STD's and reproduction, self-image, suicide, eating disorders, chemical use and abuse, sexual harassment, CPR training, and physical fitness of how your body works. This class meets every other day (opposite physical education).

137 Lifetime Sports/Fitness

gr. 11-12 / 2 semesters

First semester we learn how to play a variety of lifetime sports such as golf, disc golf, volleyball, ping pong, badminton, basketball, softball, and more. The objective is to teach the importance of living an active lifestyle. Second semester we transition into the Fitness class. The objectives of this class is to learn about the different muscle groups and how to strengthen them in a safe and healthy way, as well as learn the importance of cardiovascular endurance and how to improve it.

201 Exercise Physiology / Weight Training

gr. 11-12 / 2 semesters

This is a course which will cover the application of exercise physiology to athletic conditioning. Anatomy/physiology of weight training as well as mechanical principles applied to human movement will be covered. Exercise selection and technique, charting workouts, program design, nutritional considerations, safety and flexibility exercises will be covered.

Science

A minimum of 3 credits of science are required for graduation: including a Chemistry/Physics Lab-based class in either 11th or 12th grade.

22 Physical Science 9

gr. 9 / 2 semesters

Physical Science includes relevant topics drawn from chemistry and physics. Within the course, students will develop 21st century skills in problem-solving, deductive reasoning and collaborative learning. Topics that are integrated throughout the course include: atomic structure, patterns in the periodic table, writing chemical equations, interaction between forces and motion, energy and its transfer.

19 Honors Physical Science 9

gr. 9 / 2 semesters

Advanced physical science is a rigorous course designed for motivated students with advanced math skills who wish to pursue science in the future. It combines chemistry, physics and mathematics, and extends learning to topics not typically taught in 9th grade physical science such as advanced chemistry, advanced physics and in-depth science laboratory activities. Students will be expected to complete up to one hour of homework nightly. This course will move at an accelerated pace and will include demanding supplemental problem sets, use of a scientific calculator and maintenance of a laboratory notebook are essential components of this course.

23 Biology 10

gr. 10 / 2 semesters

Prerequisites: Physical Science.

Biology is a year-long required course. In this course, you will study the history and nature of science, cells, genetics, natural selection, ecology and organ systems. It will prepare you to be scientifically literate and for advanced biology classes. During class, you will be actively involved in labs, discussions, note taking, problem solving and cooperative learning activities. Offered yearly.

28 AP Biology / Advanced College Biology

gr. 11 - 12 / 2 Semesters

Prerequisite: Biology with a B average or better or instructor approval.

Senior: High school GPA of 2.8 or greater.

Junior: High school GPA of 3.2 or greater.

This course is an introduction to the structure and function of living systems with an emphasis on cellular and molecular biology. Fundamental concepts include the chemical basis of life, cell structure and function, cell division, metabolism, classical and molecular genetics, and biotechnology. This course includes a laboratory component incorporating experimental design, microscopic work, and cellular and molecular biology techniques. Offered alternate years.

24 Basic Chemistry

gr. 11 - 12 / 2 Semesters

Prerequisites: Completion of Physical Science and Algebra 1 with a C average or better.

This course is an introduction into the basic principles of chemistry including the periodic table, bonding, molecular structure, and the mole. Students will also learn basic principles of chemistry such as solutions, acids and bases, stoichiometry, and reactions.

Science

25 COLLEGE PHYSICS

gr. 11 - 12 / 2 semesters

PHYS 231 – General Physics I (SCSU 4 College Credits)

Prerequisites: Physical Science and Algebra I with a C average or better as well as instructor approval.

***Must meet prerequisites for college credit including qualifying scores on the Accuplacer test.**

Seniors: Top half of their class, Specific standardized test score, 3.0 GPA.

Juniors: Top third of their class, Specific standardized test score, 3.5 GPA

General Physics 1 (4 college credits) (Saint Cloud State University) Vectors; kinematics of uniformly accelerated motion; static equilibrium; work and energy; linear momentum; circular motion; rotational work, energy, and momentum; elasticity; fluid statics and dynamics; heat and temperature; kinetic theory of gases; laws of thermodynamics. A mastery of college algebra and some trigonometry is essential for success in this course. The ability to use computers for creating reports is needed for lab work. This course would be helpful for students interested in majoring in the physical and biological sciences, medicine, dentistry, forestry, pharmacy, physical therapy, veterinary medicine, engineering, chemistry, physics and other fields related to science and the medical field. Lab credit issued. Offered odd/even years.

Note: Requires extra laboratory experiments and a serious commitment to individual study.

26 COLLEGE CHEMISTRY

gr. 11 - 12 / 2 semester

CHEM 160: Preparatory Chemistry (SCSU 4 College Credits)

Prerequisites: Physical Science and Algebra I with a C average or better. Instructor approval required.

***Must meet prerequisites for college credit including qualifying scores on the Accuplacer test.**

Seniors: Top half of their class, Specific standardized test score, 3.0 GPA.

Juniors: Top third of their class, Specific standardized test score, 3.5 GPA

This course deals with chemical substances, their structures and properties, the changes they undergo, and the laws that govern those changes. This course also covers chemical reactions, mole concept, stoichiometry, gas laws, quantum theory, bonding, oxidation-reduction, as well as acid-base chemistry. Students should be able to demonstrate skills in advanced algebra, graphing, data handling and analysis. This course would be helpful for students interested in majoring in the physical and biological sciences, medicine, dentistry, forestry, pharmacy, physical therapy, veterinary medicine, engineering and other fields related to science and the medical field. *Note: Requires extra laboratory experiments and a serious commitment to individual study.*

27 ADVANCED COLLEGE CHEMISTRY

gr. 12 / 2 semester

CHEM 231 General Chemistry I /CHEM 231L Gen. Chem. I (SMSU 4 College Credits)

Prerequisite COLLEGE CHEMISTRY (CHEM 160: Preparatory Chemistry SCSU) and instructor approval.

First course in chemistry for students majoring in a science. Topics include chemical and physical properties of matter, atomic and molecular structure, bonding, chemical notation, inorganic nomenclature, stoichiometry, and periodic laws. The required preparation for this course is three years of high school mathematics and SCSU Chemistry 160 Preparatory Chemistry. This course would be helpful for students interested in majoring in the physical and biological sciences, medicine, dentistry, forestry, pharmacy, physical therapy, veterinary medicine, engineering and other fields related to science and the medical field. *Note: Requires extra laboratory experiments and a serious commitment to individual study.*

SOCIAL STUDIES

A minimum of 4 credits of Social Studies are required for graduation: Global Studies, American History or AP US History, World History, Civics/Economics.

68 World History 9

gr. 9 / 2 semesters

This course covers the early civilizations, the classical civilizations, and the worlds of Christendom, Islam, Africa, Asia and the Americas. The course also attempts to cover the rise of the Western Powers, the World Wars, and the Contemporary World. This course will replace 11th Grade World History.

63 American History 10

gr. 10 / 2 semesters

This course is designed to examine the major events in United States History from reconstruction to the present day. Major emphasis will be placed on historical events and their correlation to present day America. There will also be a focus on citizenship and how community service develops a sense of civic responsibility.

67 AP US History

gr. 10 / 2 semesters

Prerequisites: 9th grade Social Studies class and in good standing /or teacher's prior approval.

This is a college rigor course that will study the major events and individuals throughout the history of the United States from early Native American cultures through the present. The course is designed to prepare students for college level study of United States history by exposing them to a more in depth text, using primary sources and develop writing skills through essay. In the spring, students will have the opportunity to take the AP exam. Students, who choose to take this exam and pass, can receive college credit.

64 World History 11

gr. 11 / 2 semesters

This course covers the early civilizations, the classical civilizations, and the worlds of Christendom, Islam, Africa, Asia and the Americas. The course also attempts to cover the rise of the Western Powers, the World Wars, and the Contemporary World.

65 Economics 12

gr. 12 / 1 semester

After completing this course, students should understand basic economic concepts and be able to reason logically about key economic issues that will affect their lives as producers, consumers, and citizens. The course will emphasize microeconomics—the study of economic decisions made by individuals and businesses. Some attention is given to macroeconomics—the study of the national economy as a whole.

66 Civics 12

gr. 12 / 1 semester

This course is designed to give the students an understanding of their government on the local, state, and national level. Topics covered will include the foundations of modern government, an in-depth look at the branches of government, elections, political parties, and voting. The students will acquire the primary knowledge needed to become an active citizen in the United States and in their locality.

TECHNOLOGY EDUCATION

107 Introduction to Technology Education, a.k.a. “The Shop”

gr. 9 - 12 / 1 semester

Do you wonder what class you should take in “the shop”? Maybe you ask yourself “Do I like to build with wood or with metal? What about concrete? Is engineering interesting or lame? What about technical drawing or drafting, is this fun or boring, needed or a waste of time?” Well, it just so happens that is class will answer those questions. We will explore each area including Drafting, Measurement, Engineering, and Woods. There will be a variety of small projects and assignments to help you identify what you are interested in and what you don’t like. There could even be something you like that you didn’t know existed before you took this super cool class. Yes, there will be a fee for your projects.

****Students are expected to pay for all class materials****

TECHNOLOGY EDUCATION

116 Wood Technology

gr. 9 - 12 / 1 semester

So, you took Introduction to Technology Education and you really liked the woodworking section of that superb class. This is the spot to increase those skills and take it to the next level. Students will learn the basics of furniture construction while building a sofa table and possibly a second project if time allows. Emphasis will be placed on the proper safety and use of all machines and tools as well as efficient use of the class time in the shop. Students will design a blueprint for each project and learn proper terminology of tools, cuts, joinery, staining, and finishing. The class will also be exploring careers in woodworking and related industrial careers. **Students are expected to pay for all class materials**

112 CAD/Drafting

gr. 9 - 12 / 1 semester

Welcome to the world of drafting and CAD (Computer Aided Drafting). Students will review traditional drafting techniques before using the CAD program, then onto Autodesk INVENTOR, which is used in industry worldwide! The class will focus on design and the fundamentals of Computer Aided Drafting as well as reading and interpreting blueprints. The class will focus on Architectural and Mechanical Drafting. A partnership with RELCO is developing and students will be able to design real world solutions to current manufacturing problems. Students will also be exploring careers in the CAD field.

113 CNC Technology

gr. 10 - 12 / 1 semester

Do you like using cool machines and making cool projects, well CNC Technology might be a fun class for you to take. You see, the future will be controlled by machines and those machines are controlled by numbers, a lot of numbers. CNC Technology will learn about those numbers and how they control the machines. We will be using several different CNC (computer numerically controlled) machines to learn how these technologies work. Some of our CNC machines include a 3-D printer, two lasers, two CNC Routers and one CNC plasma cutter (which cuts steel). Students will learn how each machine works, how to program them, how to maintain them, and how to build projects using each machine. We will also learn how to build and finish several different project types. A project fee will be based on the project chosen and the material used.

114 Construction Trades

gr. 11 - 12 / 1 Semester

Construction comes in a wide variety of different jobs and careers. Construction Trades will examine the interior systems of buildings such as the plumbing, electrical, drywall, tiling, trim, decor and more. Students will be exploring the residential and commercial construction. Each area will have hands on projects that the students will be doing throughout the semester including concrete work, plumbing, electrical, drywall, tiling, architectural drawing, model house building, and potentially a storage shed building. **Students are expected to pay for all class materials**

115 Principles of Engineering

gr. 10 - 12 / 1 semester

Engineering is all around us, from architectural to electrical to mechanical to computers and so much more. In this class students will explore the differences in materials, we will also learn about the wide variety of tools used in different engineering applications. Throughout the class there will be lots of hands-on projects. We will also explore Creative Engineering and design a product that has never been invented before. Students will utilize engineering techniques used at NASA and Apple to complete their builds. This class will be super fun and students will hardly realize they are learning complex engineering. An examination and many different Engineering Careers will be a part of this class as well. **Students are expected to pay for all class materials**

121 Carpentry – Exterior Finishes

gr. 10 - 12 / 1 semester

This class will explore the different types of construction, looking at framing of traditional stick-built houses to post frame construction, and even alternative construction methods. This class will learn about the shell of houses and industrial buildings, the materials used and why they are important. We will also learn about the different materials used and we will conduct some scientific tests with different materials. Furthermore, we will also learn about careers associated with Carpentry. There will be many hand's on projects as well as presentations and demonstrations throughout the class. A larger project may be constructed such as a Tiny House or end table. **Students are expected to pay for all class materials**

WORLD LANGUAGES

These courses are offered as on-line classes, either synchronous or through independent study. Offerings depend on availability and minimum number of students registering. These classes require a high level of self-discipline, therefore, anyone who has had more than one discipline referral in the past year will not be admitted to the course. In addition, one must have a B in English to register. If you do not meet this standard there is an appeal process. Please see Mrs. Quade, Ms. Tensen, or Mr. Brown for information and the appropriate form.

10 Spanish 1

gr. 11 - 12 / 2 semesters

Prerequisites: (first semester) B or higher in English

This is an ITV class. The topics introduced in this course are naming household/classroom objects, basic foods, describing self and others, expressing likes/dislikes, communicating actions in the present, numbers and time, describing possession or ownership and aspects of Hispanic culture. The academic skills developed will be the ability to speak, write, and read, listen to and interpret Spanish and understand aspects of Hispanic culture.

11 Spanish 2

gr. 11 - 12 / 2 semesters

Prerequisites: (first semester) C- or higher in Spanish 1

This is an ITV class. The following topics will be introduced in this course: communicate actions in the present, describe objects, feelings, weather, express future/past actions, aspects of Hispanic culture, give dates, make requests, identify articles of clothing, give/receive directions, identify family members. The academic skills developed will be the ability to speak, write, read, listen to and interpret Spanish and understand aspects of Hispanic culture. Ten students per section will be accepted with priority given to upperclassmen.

14 American Sign Language 1

gr. 11 - 12 / 2 semesters

Prerequisites: C- or higher in ELA Classes (first semester)

This course is meant to introduce students to the background of ASL as well as some basic vocabulary and elements of Deaf culture. You will work on learning and using basic ASL vocabulary to communicate in common scenarios.

205 American Sign Language 2

gr. 11 - 12 / 2 semesters

Prerequisites: C- or higher in ASL 1 (first semester)

This course is a continuation of American Sign Language 1 (ASL 1). It is designed for students who wish to enhance proficiency in ASL usage and stresses continued development of basic conversational skills through thematic units with emphasis on vocabulary and expressive skills. You will develop receptive and expressive abilities that allow for you to recognize and demonstrate more sophisticated grammatical features of ASL. You will also increase your fluency and accuracy in fingerspelling and numbers. You will develop communication skills as you dive into the Deaf World and American Deaf culture and history.

12 French 1

gr. 11 - 12 / 2 semesters

Prerequisites: B or higher in English (first semester)

French I introduces the basics of the French language through a four-fold approach: listening, speaking, reading, and writing. Students study and practice through the use of oral exercises, videos, music, and written work. Civilization and cultural aspects of France are covered within each unit.