SHAKOPEE PUBLIC SCHOOLS

SHAKOPEE HIGH SCHOOL

Registration Guide 2015 – 2016

100 - 17th Avenue West | Shakopee, MN | 55379

COMPLIANCE STATEMENT

The following are brief descriptions of Shakopee School District policies relating to behavior standards and expectations. A complete copy of any district policy may be obtained by contacting the high school or the Superintendent's office.

Harassment and Violence:

Policy #413: It is the policy of the Shakopee Public Schools to maintain a learning and working environment that is free from religious, racial or sexual harassment and violence. The School District prohibits any form of religious, racial or sexual harassment and violence.

Consequences: The School District will act to investigate all complaints, either formal or informal, verbal or written, of religious, racial or sexual harassment or violence, and to discipline or take appropriate action against any pupil, teacher, administrator or other school personnel who is found to have violated this policy.

HARASSMENT IS when someone does or says something to you of a sexual, racial, religious, or violent nature that makes you feel uncomfortable. IF THIS HAPPENS, tell an adult you trust.

Notice of Directory Information

Policy #515 – PROTECTION AND PRIVACY OF PUPIL RECORDS: The Shakopee School District declares the following to be directory information: student name and date and place of birth; photograph; major field of study; participation in officially recognized activities and sports; weight and height of members of athletic teams; dates of attendance; degrees and awards received; the most recent educational agency or institution attended. By law, designated directory information may be made public unless a parent notifies their child's school that they do not want it to be released without their consent. Notification must be given to the principal of the child's school by October 1st of each school year.

Student Sex Nondiscrimination

Policy #522: The school district provides equal educational opportunity for all students, and does not unlawfully discriminate on the basis of sex. No student will be excluded from participation in any educational program or activity, including any class or extracurricular activity operated by the school district on the basis of sex.

Consequences: The School District Human Rights Officer(s), upon receipt of a report, complaint or grievance alleging unlawful sex discrimination toward a student shall promptly undertake or authorize an investigation. Upon completion of the investigation, the school district will take appropriate action. Such action may include, but is not limited to warning, suspension, exclusion, expulsion, transfer, remediation, termination or discharge.

Shakopee High School

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Superintendent: Dr. Rod Thompson
Principal: Benjamin Kusch
Assistant Principal: Stuart Lang
Assistant Principal: Paul Nettesheim
Dean: Sheila Stalberger

Shakopee High School

January 2015

Dear SHS Students and Parents,

This course registration guide is one tool for you to use as you plan for the 2015-2016 school year. In addition to the course descriptions offered here, your counselors, teachers, administrators and parents will provide a significant amount of guidance for you during this important process.

As you begin to register, we remind you to focus your thoughts around these two critical questions:

- *What are the courses that I need to take in order to ensure that I meet the graduation requirements for my class?*
- *What are the courses that I should take in order to best prepare me to achieve the goals and dreams that I have for myself and my life after I leave Shakopee High School?*

Whether your post-high school plans are to enter a 2- or 4-year college or university, to enter the workforce or military, or any number of other options, remember that recent statistics from the state of Minnesota indicate that by 2018, more than 70% of jobs in the state will require some kind of post-high school learning. As such, register carefully and thoughtfully. Remember that staffing and course offerings are driven almost entirely by course requests, so again, be thoughtful and thorough in your considerations of your classes for next year.

In the event of conflicts, closed classes or classes not offered due to inadequate enrollment, we will use the alternate courses listed on your registration form to adjust your schedule. This form will be provided to you prior to online registration. It is in your best interest to make sure alternate selections are indicated on the registration form in priority order. It is our expectation that these choices are honored, for once the registration process is completed, we begin the long and complicated process of creating the master schedule for the upcoming academic year.

Our goal is to have the registration process completed by the end of February for the majority of students. Again, course requests will determine our staffing and scheduling for next year, so it is absolutely essential that you take advantage of every opportunity to make an informed decision.

We are here to assist you with the registration process. Please call the Main Office at 952-496-5152 with any questions you may have.

Thank you,

Administrators

Principal | *Ben Kusch*
Assistant Principal | *Stuart Lang*
Assistant Principal | *Paul Nettesheim*
Dean of Students | *Sheila Stalberger*

Counselors

A-F | *Erica Lang*
G-L | *Matt Horel*
M-R | *Nicole Drangstveit*
S-Z | *Jenny Severson*
College and Career | *Mike Jensen*

100 - 17th Avenue West, Shakopee, MN 55379
(952) 496-5152 • fax: (952) 496-5155

GRADUATION REQUIREMENTS

MINNESOTA GRADUATION STANDARDS

Minnesota students are required to complete three kinds of requirements by the time they graduate. Students must:

- *Satisfactorily complete the state course credit requirements under Minnesota Statutes, section 120B.024.*
- *Satisfactorily complete all state academic standards or local academic standards where state standards do not apply.*
- *Meet graduation assessment requirements.*

Course Credits

Students complete the academic standards by taking a core course of study that equips them with the knowledge and skills they need for success in postsecondary education, highly skilled work, and civic life. In order to graduate, your child's high school coursework must include at least the minimum state course credit requirements. A course credit is equivalent to a student successfully completing an academic year of study or mastering the subject matter, as determined by the local school district. Students must complete a minimum of 21.5 course credits as follows:

- ***4 years of language arts***
- ***3 years of mathematics****, including algebra, geometry, statistics and probability sufficient to satisfy the standards. Students must complete an algebra II credit or its equivalent as part of the 3-credit requirement. In addition to the high school credits, students must also complete an algebra I credit by the end of eighth grade.*
- ***3 years of science****, including a biology credit. In addition, students and beyond must complete a chemistry, physics, or Career and Technical Education (CTE) credit as part of the 3-credit requirement. (The CTE credit must meet the standards underlying the chemistry or physics credit.)*
- ***3½ years of social studies****, including U.S. history, geography, government and citizenship, world history and economics.*
- ***1 credit in the arts***
- ***7 elective credits***

Minnesota Department of Education Graduation Requirements website
http://education.state.mn.us/MDE/StuSuc/GradReq/index.html

A CTE course may fulfill a general science, mathematics, or arts credit requirement. School districts may require additional course credits or other requirements for graduation beyond the minimum required by the state.

LOCAL GRADUATION STANDARDS

The school year is divided into two semesters. A successfully completed class, such as English 10, during fall semester will yield one semester credit. Classes designated as College in the Schools (CIS) or Advanced Placement (AP) earn more than one credit per semester. (Please consult course descriptions in this Registration Guide.)

Students must earn 48 total credits in grades 9-12 in order to graduate from Shakopee High School. A student must earn an average of 12 credits per year. Each student should plan to carry a minimum of six (6) classes per semester.

In addition to earning credits to graduate, students must earn the credits in each of the following subject areas:

SUBJECT AREA	CREDITS = GRADES 9-12
English	8
Mathematics	6
Social Studies	8
Science	6
Fine Arts	2
Health	1
Physical Education	2
Total Required Credits	**33**
Total Elective Credits	**15**
TOTAL CREDITS REQUIRED:	**48**

TYPICAL COURSES OFFERED THAT MEET GRADUATION REQUIREMENTS

ENGLISH Requirements (8 credits | 1 per semester)

- 9 | English 9 **OR** Honors English 9 | 2 semesters
- 10 | English 10 **OR** Honors English 10 | 2 semesters
- 11 | English 11 **OR** CIS Intro to Literature | 2 semesters
- 12 | English Requirements | 2 semesters | See Department section for qualifying courses

HEALTH (1 credit | 1 per semester)

- 10-12 | Healthy Lifestyles | 1 semester

PHYSICAL EDUCATION (2 credits | 1 per semester)

- 9 | Physical Education 9 | 1 semester
- 10-12 | Required Physical Education Elective | 1 semester | See Department section for qualifying courses

MATHEMATICS (6 credits | 1 per semester)

- 9 | Geometry **OR** Accelerated Algebra 2 **OR** Pre-calculus
- 10 | Algebra 2 **OR** Accelerated Algebra 2 **OR** Pre-Calculus **OR** CIS CSE Calc 1
- 11 | Algebra 3 **OR** Pre-Calculus **OR** an AP or CIS Math course

SCIENCE (6 credits | 1 per semester)

- 9 | Physical Science **OR** Honors Physical Science **OR** Physics 9 | 2 semesters
- 10 | Biology **OR** Honors Biology **OR** Honors Chemistry | 2 semesters
- 11 | Chemistry **OR** Honors Chemistry **OR** AP Biology | 2 semesters

SOCIAL STUDIES Requirements (8 credits | 1 per semester)

- 9 | Human Geography **OR** AP Human Geography | 2 semesters
- 10 | US History **OR** AP US History | 2 semesters
- 11 | World History **OR** AP World History | 2 semesters
- 12 | US Political and Economic Systems **OR** CIS Microeconomics | 1 semester

  AND
- 12 | Required Social Studies Elective | 1 semester | See Department section for qualifying courses

FINE ARTS (2 credits)

Both credits can be completed at any time in grades 9-12. To qualify for the fine arts credit, a course must focus on artistic skills and qualities and the production of a work of art.

Courses meeting the requirements include:

- 9th Grade Band
- 9th Grade Choir
- AP Music Theory 1
- AP Music Theory 2
- AP Studio Art
- Bel Canto Choir
- Ceramics
- Concert Band
- Concert Choir
- Creative Sewing
- Drawing, Painting and Printmaking 1
- Drawing, Painting and Printmaking 2
- Fashion 1
- Fashion 2
- Graphic Design
- Interior Design 1
- Interior Design 2
- Introduction to Art
- Introduction to Drama 9
- Photography 1
- Photography 2
- Practical Art
- Saber Choir
- Sculpture 1
- Sculpture 2
- Symphonic Band
- Textile Arts
- Theater 1
- Theater 2
- Web Design 1
- Wind Ensemble
- Woodworking 1
- Woodworking 2
- Woodworking 3

SAMPLE COURSE OPTIONS

		DISCIPLINE CATEGORY REQUIREMENTS	REGULAR	HONORS	ACCELERATED	TWICE-ACCELERATED
GRADE 9	1	**English**	English 9	Honors English 9		
	2	**Social Studies**	Human Geography		AP Human Geography	
	3	**Science**	Physical Science	Honors Physical Science 9	Physics 9	
	4	**Mathematics**	Geometry		Accelerated Algebra 2	Pre-Calculus
	5	**Physical Education AND an Elective**	Physical Education 9 (sem) **AND** an Elective (sem)			
	6	**Electives**	Art , FACS, Music (Band / Choir), Tech Ed, World Language, an additional Physical Education		AP, CIS, or PLTW courses	
	7					
GRADE 10	1	**English**	English 10	Honors English 10		
	2	**Social Studies**	Modern US History		AP US History	
	3	**Science**	Biology	Honors Biology	Honors Chemistry	
	4	**Mathematics**	Algebra 2	Accelerated Algebra 2	Pre-Calculus	CIS CSE Calculus I
	5	**Physical Education AND Health**	Healthy Lifestyles			
	6	**Electives**	Art , Business Ed, FACS, Music (Band / Choir), Tech Ed, World Language, additional Health or Phy Ed		AP, CIS, or PLTW courses	
	7					
GRADE 11	1	**English**	English 11		AP Language & Composition	
	2	**Social Studies**	Modern World History		AP World History	
	3	**Science**	Chemistry	Honors Chemistry	AP Biology	
	4	**Mathematics**	Algebra 3	Pre-Calculus	CIS CSE Calculus I	AP Calculus BC
	5	**Electives**	Art , Business Ed, FACS, Music, Physical Education, Tech Ed, World Language, or additional English, Math, Science, Social Studies		AP, CIS, or PLTW courses	
	6					
	7					
GRADE 12	1	**English**	***Take 2 of these (each are semester courses):*** English 12: 21st Century Communication English 12: Exploring Self-Identity Humanities		CIS Intro to Literature CIS University Writing CIS Public Speaking CIS Intro to Literature	
	2	**Social Studies**	***Take 2 of these (each are semester courses):*** **REQUIRED:** U.S. Econ & Pol Systems **ELECTIVE:** see list of Social Studies electives		**REQUIRED:** CIS Microeconomics **ELECTIVE:** CIS Democracy CIS Psychology	
	3	**Science (Elective)**	Physics		CIS Physics CIS Human Anatomy	
	4	**Mathematics (Elective)**	Pre-Calculus	CIS CSE Calculus I	AP Calculus BC AP Statistics	AP Statistics
	5	**Other Electives**	Art , Business Technology, FACS, Music, Physical Education, Technology Education, World Language, or additional English, Math, Science, Social Studies		AP, CIS, or PLTW courses	
	6					
	7					

NOTE | 2 semester Fine Arts credits are required for graduation, but can be taken at any time in Grades 9-12

ADVANCED COURSES

Shakopee Public Schools offers a variety of advanced courses intended to provide appropriate challenge for students who demonstrate need for a more rigorous curriculum. Students are identified for these courses in the middle levels, but these advanced options are open to a wider range of students as they move into AP and CIS courses at the High School. Rigorous coursework in high school is the greatest predictor of college completion. Students who are high academic achievers (usually those who are in the top 20% of their class) will want to consider the most rigorous coursework available. Parents and students should be aware of some of the courses at SHS that provide rigorous challenge:

DEFINITIONS | Advanced Course Sequences Defined

There are three main advanced course sequences available to students who demonstrate appropriate levels of performance and/or ability:

HONORS Sequence | These courses are taught using grade level curricular standards, but with a greater level of rigor and complexity and are targeted to the top 20% of students in each class.

Honors course sequences by department include:

- **English/Language Arts** |Honors Sequence runs Grades 6-10 | College in the Schools (CIS) Grades 11-12
- **Science** | Honors Sequence runs Grades 8-11 | CIS Grade 12

ACCELERATED Sequence | These courses are taught using the grade level standards of the course one grade level ahead and are typically targeted to the top 10-15% of students.

Accelerated course sequences by department include:

- **Math** | Accelerated Sequence runs Grades 6-10 | Advanced Placement (AP)/CIS Grades 11-12
- **Science** | Accelerated Sequence runs Grades 9-10 | AP/CIS Grades 11-12
- **Social Studies** | Accelerated Sequence runs Grades 9-12 | All are AP or CIS

TWICE-ACCELERATED Sequence | These courses are taught using the grade level standards of the course two grade levels ahead and are typically targeted to the top 5% of students.

Twice-Accelerated course sequences by department include:

- **Math** | Twice-Accelerated Sequence runs Grades 6-9 | AP/CIS Grades 10-12

CONCURRENT ENROLLMENT | Refers to college-level courses offered for both high school and college credit simultaneously. There are several options available to students for earning concurrent enrollment credits:

- **ADVANCED PLACEMENT®** (AP®) | These courses are year-long courses vetted by the College Board which culminate with a high stakes test in May (scores of 3+ generally earn college credit).

> With AP®, students can get a feel for the rigors of college level studies while they still have the support of a high school environment. When students take AP courses, they demonstrate to college admission officers that they have sought out an educational experience that will prepare them for success in college and beyond.
>
> Resourceful and dedicated AP teachers work with their students to develop and apply the skills, abilities and content knowledge they will need later in college. Each of AP's 34 courses is modeled upon a comparable college course, and college and university faculty play a vital role in ensuring that AP courses align with college-level standards.
>
> Each AP course concludes with a college-level exam developed and scored by college and university faculty members as well as experienced AP teachers. AP Exams are an essential part of the AP experience, enabling students to apply the new critical thinking skills they have learned in a comprehensive exam. Most two- and four-year colleges and universities worldwide recognize AP in the admission process and accept successful exam scores for credit, advanced placement, or both.
>
> Performing well on an AP Exam means more than just the successful completion of a course. Research consistently shows that students who score a 3 or higher typically earn higher GPAs in college and have higher graduation rates.

- **COLLEGE IN THE SCHOOLS** (CIS) | These courses are University of Minnesota/Twin Cities (U-MN) courses taught in the high school by high school teachers approved and trained by U-MN faculty.

  > College in the Schools is University of Minnesota (U-MN) program for concurrent enrollment that is accredited by the National Alliance of Concurrent Enrollment Partnerships. This accreditation guarantees that (1) the courses offered through CIS are U-MN courses and CIS students earn U-MN credits on a U-MN transcript, (2) high school students taking U-MN courses through CIS are held to the same academic standards as students on the University campus, and (3) high school teachers teaching U-MN courses through CIS are selected, trained, and continuously supported by University faculty.
  >
  > College in the Schools provides significant benefits to high school students. Some of these benefits include the fact that students who take CIS courses experience increased academic rigor and develop skills for college success, demonstrate learning over an entire semester (not just on a single, high-stakes test), and receive college credit (98%) that is recognized by colleges/universities coast to coast.
  >
  > Finally, the most significant reason the University supports CIS is that CIS contributes to making real the idea of a K-16 education continuum. U-MN faculty and staff who work with CIS not only gain terrific pedagogical ideas from CIS teachers, but they also gain a unique understanding of high school issues and culture. The University and Minnesota high schools are all strengthened by working together to prepare students for the future.
  >
  > The University does not support CIS in order to generate revenue. All fees paid for CIS support the CIS program; no profit is realized by the University.

- Other Examples
  - **PROJECT LEAD THE WAY** (PLTW) | These are STEM courses which offer possible college credit if students perform well enough on end of course assessments.
  - **Other College-Credit Options** | There are numerous possibilities for students to attend other college-level classes within our high school (through the Southwest Metro Cooperative, Hennepin County Technical College, Dakota County Technical College, etc.)

IDENTIFICATION | Common Identification Criteria (District-wide)

Identification criteria for each District Honors Sequence within a Discipline (LINK: specific MAP and MCA subtests by discipline)

- **Honors Sequence** | To be identified for Honors courses, students average scores on MAP and MCA data over the previous two years must be at or above the 85th percentile, or other comparable test data.
- **Acceleration Sequence** | To be identified for Accelerated courses, students average scores on MAP and MCA data over the previous two years must be at or above the Dep't Recommendation (greater than the 85th percentile).
- **Twice-Accelerated Sequence** | To be identified for Twice-Accelerated courses, students average scores on MAP and MCA data over the previous two years must be at or above the Dep't Recommendation (greater than the 90th percentile).

Identification for Concurrent Enrollment Courses

- **Advanced Placement**® (AP®) Courses | There are no identification criteria or requirements for AP courses established by the College Board. However, schools often include a profile of successful students in the registration guide materials.
- **College In the Schools** (CIS) Courses | The University of Minnesota/Twin Cities issues its own identification criteria which is used as the identification standard for these courses. The district reserves the right to add additional requirements as needed. Current U-MN requirements are listed in each of the course descriptions.

APPEALS PROCESS | Uniform process for Appeals across content areas, except Math

MATH Appeals | Students must test out of the pre-requisite course using an end of course assessment in order to advance.

Appeals in ALL Other Disciplines | If not initially invited into the course by initial identification, the student and parent(S) must...

1. Complete written Appeal Request Form (available from the building administration or counselors)
2. Building Administrator(s) reviews student's file (with the HP Coordinator, as needed), including…
   - Core Data (as described above in Identification)
   - Other Supplementary Data, such as…
     - Subject-specific EXPLORE and/or PLAN Scores
     - Subject-specific Grades and GPA (i.e. Math GPA, Science GPA, etc., NOT overall GPA)
     - Work samples
3. Building Administrator(s) reviews student's file and supplementary data with parents

- The Building Administrator will be the final authority on ALL appeals.

EXIT CRITERIA | Common District Exit Criteria

Methods of Exiting

- **Request by student and/or parent** | When students and/or their parents request to be dropped from an advanced course, the following process must be followed:
  1. The student and/or parent(s) discuss ongoing concerns with teacher as the course progresses.
  2. Teacher makes sure that Parent(s) are included in on discussion of concerns about the student.
  3. In normal circumstances, if a parent requests his/her student be exited from the course, that request will be honored at the end of the current grading period (The student's grade for that grading period will count in the student's GPA.)
- **Recommendation by Teacher** | Process for exit
  1. The teacher begins and maintains and ongoing discussion of concerns with student throughout the course.
  2. The teacher discusses the concerns with Parent/Guardians as soon as appropriate.
  3. The parties agree to a performance contract, signed by student & parent/guardian(s) and shared with the Building Administration.
  4. If the performance contract does not alleviate the concerns, the teacher shares the results with the student's counselor and Building Administration.
- **Student Failure** | If a student fails the course, s/he will be removed from that discipline's advanced course sequence.

The Building Administrator will be the final authority on ALL student exits from advanced courses.

COLLEGE CREDIT

Advanced Placement (AP) is an international program of college-level coursework. Students who earn a 3, 4, or 5 on the AP test may qualify for college credit. To make sure that a particular college accepts AP credit, students must contact the specific college.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

College in the Schools (CIS) is a dual enrollment program in which students who successfully complete a course receive college credit and high school credit. University of Minnesota credit is awarded to students who successfully complete the course. Some SHS courses have been articulated with the University of MN, Normandale Community College or the Technical college system. Students who successfully complete any of these courses will earn college credit and high school credit.

WEIGHTED GRADES

Grades are weighted for college-level courses provided by a nationally accredited program (such as PSEO, CIS and AP). Grades will be weighted in the following manner:

- Any grade of 'A' is awarded an additional 0.6 grade points.
- Any grade of 'B' is awarded an additional 0.4 grade points.
- Any grade of 'C' is awarded an additional 0.2 grade points.
- Grades of 'D' or 'F' receive no additional grade points.

SCHOOL & ENROLLMENT CHOICES

SCHOOL AND ENROLLMENT CHOICE

Did you know that there are more options for your child than traditional public school? In Minnesota, parents have a wide range of meaningful school options for their children. Approximately thirty percent of Minnesota's K-12 public school students access some form of school choice, including Open Enrollment, Charter Schools, Magnet Schools, Online Learning or State-Approved Alternative Programs. For school choice options please visit: http://education.state.mn.us/MDE/JustParent/SchChoice/index.html

POST-SECONDARY ENROLLMENT OPTIONS (PSEO)

Please visit: http://education.state.mn.us/MDE/SchSup/SchFin/GenEd/PostSecEnroll/index.html

MINNESOTA GRADUATION RULE REQUIREMENTS

MINNESOTA GRADUATION RULE REQUIREMENTS

Students Graduating in 2015 or 2016:

Graduation-Required Assessment for Diploma (GRAD) - What does GRAD mean?

Graduation-Required Assessments for Diploma (GRAD) refers to three tests (written composition, reading and mathematics) that students must pass to graduate from a Minnesota public high school. These tests measure proficiency on the Minnesota Academic Standards and other essential skills. At this time a student must pass the GRAD exams or in some cases, as with the Math exam, attempt them at least three times and continue to enroll in a math course.

Alternately, students can meet this requirement by other methods, including ACT, SAT, WorkKeys, Compass, ASVAB, Accuplacer, a district determined equivalent assessment, English Learner exemption under specific circumstances, meeting the requirements in another state, or individual passing score as determined by an individual education plan.

Enrollment Options

In addition to the classes listed in this guide, juniors and seniors may attend a college or technical school and have those credits count toward their high school graduation. The schools most Shakopee students attend are Hennepin Technical Center and Normandale Community College. Students interested in this option should see their counselors for details. See the section entitled

COLLEGE ADMISSIONS

COLLEGE ADMISSIONS

College admission requirements vary. The following is a general requirement guideline for four-year college admission:

Minimum High School Requirements for Admission to Four-Year Colleges & Universities (9^{th} –12^{th} grade)

- English | 4 years | 8 SHS Credits
- Math | 3 years | 6 SHS Credits
- Science | 3 years | 6 SHS Credits
- Social Studies | 3 years | 6 SHS Credits
- World Language | 2 years (same language) | 4 SHS Credits
- Fine Arts | 1 year | 2 SHS Credits

Parents and students are encouraged to investigate the admission requirements for specific colleges of their choice. Choosing the appropriate graduation plan within Family Connection can help each student meet the requirements for their perspective colleges. Mr. Jensen, Post-Secondary Counselor, can assist with researching specific college requirements. Students who would like to attend a four year college after high school must select high school courses that meet the requirements for Shakopee High School (diploma), the State of Minnesota (high standards), and general college admission. The following course outline integrates the Shakopee, the State of Minnesota and the general college admission requirements.

Courses
The following pages indicate the classes that will be offered. Refer to the descriptions for more information. Lack of enrollment numbers may prohibit a course from being offered. Regardless of the number of credits an individual may have accumulated or may need to fulfill the requirements toward graduation, s/he must be enrolled in a minimum of five (5) academic classes.

Course Descriptions
Read the descriptions carefully. If you have questions about anything, be sure to ask your advisor for help.

Level of Difficulty
Our courses are designed with various levels of difficulty. Honors English 10 is for students who have done very well in Language Arts. Composition Skills and Basic English is for students who have found English difficult. Students will be identified for these courses. In addition, some students will be identified for remedial courses based on their performance on the standardized tests.

Summer Educational Experiences
Students and their families sometimes choose to purchase summer educational experiences through organizations like Up With People or People to People. These programs provide great experiences for students. Some students request credit for these experiences. To receive credit students must secure approval before school ends in the spring. To approve courses for credit, students must provide a course sequence, list of materials used and assignments required.

UNIVERSITY of MINNESOTA COURSE REQUIREMENTS

Available online at: http://admissions.tc.umn.edu/admissioninfo/fresh_requirements.html#hsprep

High School Courses and the Senior Year
A very strong curriculum during high school will enhance students' success in college, because college courses build on the skills and knowledge taught in high school. The senior year is especially important, and we expect students to continue with math and science for all four years of high school.

Minimum High School Course Requirements
Applicants are expected to complete the minimum course requirements listed below. Admission is competitive and successful applicants typically exceed these requirements.

English - 4 years	Emphasis on writing, including instruction in reading and speaking skills and in literary understanding and appreciation.
Mathematics - 4 years	Including two years of algebra, and one year of geometry. Courses strong in quantitative methodology may be used to meet this requirement. See a list of sample courses that meet this requirement.
Science - 3 years Biological science, chemistry, and physics are required for the Carlson School of Management, Biological Sciences, and Science and Engineering.	Including one year each of biological and physical science, and including a laboratory experience.
Social studies - 3 years	Including one year each of U.S. history and geography (or a course that includes a geography component such as world history, western civilization, or global studies)
Single second language - 2 years	
Visual and/or performing arts - 1 year	Including instruction in the history and interpretation of the art form (e.g. theater arts, music, band, chorus, orchestra, drawing, painting, photography, graphic design, media production, theater production)

Schedule changes and senior year performance: We consider the application to be a contract between the student and the University, with the student agreeing to successfully complete senior year courses listed on the application, and achieve grades consistent with their academic performance through 11th grade.

In August, after final transcripts are received, we review each student's senior year coursework and the grades earned in those courses to confirm course completion and that the performance during the senior year is consistent with the academic performance at the time of application. Unsuccessful completion of senior year coursework and/or a significant decline in academic performance during the senior year may result in the cancellation of admission.

Students considering making schedule changes, or those who are concerned about their academic progress in any of their courses, must consult with their U of M admissions counselor (1-800-752-1000 or 612-625-2008).

NCAA ELIGIBILITY INFORMATION

NCAA | DIVISION I | INITIAL-ELIGIBILITY REQUIREMENTS

Core Courses: (16)

- Initial full-time collegiate enrollment ***before*** August 1, 2016:
  - Sixteen (16) core courses are required (see chart on pg. 10 for subject-area requirements).
- Initial full-time collegiate enrollment ***on or after*** August 1, 2016:
  - Sixteen (16) core courses are required (see chart on pg. 10 for subject-area requirements).
    - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
      - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
  - Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).

Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale (see pg. 10).
  - SAT: critical reading and math sections.
    - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - ACT: English, math, reading and science sections.
    - Best subscore from each section is used to determine the ACT sum score for initial eligibility.
- All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.
- **Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. *Test scores on transcripts will not be used*.**

Core Grade-Point Average:

- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- Initial full-time collegiate enrollment ***before*** August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see pg. 10).
  - Core-course GPA is calculated using the best 16 core courses that meet subject-area requirements.
- Initial full-time collegiate enrollment ***on or after*** August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see pg. 10).
  - Core-course GPA is calculated using the best 16 core courses that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

DIVISION I
Core Course Requirement (16)

4	years of English
3	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered)
1	year of additional English, mathematics or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy)

DIVISION I - 2016
Qualifier Requirements
*Athletics aid, practice, and competition

- 16 core courses
  - Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
    - "Locked in" for core-course GPA Calculation
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding ScaleB (see Page No. 2).
- Graduate from high school.

DIVISION I - 2016
Academic Redshirt Requirements
*Athletics aid and practice (no competition)

- 16 core courses
  - No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
- Graduate from high school.

NCAA SLIDING SCALES | DIVISION I

Sliding Scale A
Use for Division I prior to August 1, 2016

NCAA DIVISION I SLIDING SCALE

Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

Sliding Scale B
Use for Division I beginning August 1, 2016

NCAA DIVISION I SLIDING SCALE

Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

For more information, visit www.eligibilitycenter.org or www.2point3.org.

NCAA | DIVISION II | INITIAL-ELIGIBILITY REQUIREMENTS

Core Courses:

- Division II currently requires 16 core courses. See the chart on pg. 12.
- Beginning August 1, 2018, to become a full or partial qualifier for division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores:

- Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68.
- Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on pg. 12 of this sheet.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- **When you register for the ACT or SAT, use the NCAA Eligibility Center code of Enter 9999 to ensure all ACT and SAT scores are reported to the NCAA Eligibility Center from the testing agency. *Test scores on transcripts will not be used*.**

Core Grade-Point Average:

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current Division II core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test score requirements are listed on the Sliding Scale on pg. 12 of this document).
- The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on pg. 12 of this document).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

DIVISION I
16 Core Courses

3	years of English
2	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered)
3	years of additional English, mathematics or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy)

NCAA SLIDING SCALES | DIVISION II

DIVISION II COMPETITION SLIDING SCALE		
Use for Division II beginning August 1, 2018		
Core GPA	**SAT** Verbal and Math ONLY	**ACT Sum**
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

DIVISION II PARTIAL QUALIFIER SLIDING SCALE		
Use for Division II beginning August 1, 2018		
Core GPA	**SAT** Verbal and Math ONLY	**ACT Sum**
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

COURSE DESCRIPTIONS

ARTS

Creativity, innovation, and problem solving are but a few of the skills that production and study of visual art provides. In visual art classes, students conceptualize ideas, learn to communicate their ideas clearly, and engage in meaningful work to bring their ideas to fruition. Learners find and solve problems through inquiry, divergent thinking, play, reflection and evaluation, and learn to respond to problems in original and innovative ways. In a studio classroom environment, learners take responsibility for their own learning and behavior, work independently to show what they know, and are held accountable for their progress. Students learn through discussions with instructor and peers to recognize their own working style and preferences, and to appreciate the same of others. Every class brings unexpected discoveries.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Introduction to Art	Drawing, Painting & Printmaking 1	Drawing, Painting & Printmaking 2	AP Studio Art
Introduction to Drama 9	Sculpture 1	Sculpture 2	
Practical Art	Photography 1	Photography 2	
Ceramics			

ALL OF THESE CLASSES LISTED WILL FULFULL COLLEGE ENTRANCE REQUIREMENTS FOR FINE ARTS REQUIREMENTS. TWO CREDITS IN FINE ARTS ARE REQUIRED FOR GRADUATION FROM SHS.

LEVEL ONE COURSES – No Prerequisites Required

INTRODUCTION TO ART

Grades:	9, 10, 11, 12
Credits:	1 credit – Fine Art
Prerequisite:	None (this course serves as a prerequisite for all level 2 courses)
Required Materials:	Unlined notebook or sketchbook

This class provides students with an introduction to a wide variety of art mediums and historical perspectives. It introduces the concepts of the studio classroom with guidance and structure. Techniques explored are drawing, clay sculpture, painting, printmaking, digital photography & editing, and fiber art. In addition to hands-on projects the students will work to develop their art language, build artistic skills, provide and receive feedback, and reflect on and revise their work.

INTRODUCTION TO DRAMA 9

Grade:	9
Credits:	1 credit – Fine Art
Prerequisite:	None

This class is for anyone who is interested in learning more about the theatre. Students will study acting with projects like a monologue and partner scenes. They will also learn about the backstage or technical side of theatre by studying costume, set and props design. Our class usually attends a live performance and takes time to learn about professional theatre as well. This class fulfills one credit in the area of Fine Arts. Two credits in Fine Arts are required for High School graduation.

PRACTICAL ART

Grades: 10, 11, 12
Credits: 1 credit – Fine Art
Prerequisite: None

This class takes the arts and teaches students to apply them to their everyday lives. Through the exploration of practical art mediums such as jewelry making, tie-dye, batik, glass art, mosaic and decoupage, students improve their artistic abilities. Students study and appreciate the historical and cultural significance of the craft of arts. In addition to hands-on projects, the students will work to develop their art language, build artistic skills, provide and receive feedback, and reflect on and revise their work.

CERAMICS

Grades: 9, 10, 11, 12
Credits: 1 credit – Fine Art
Prerequisite: None

All clay! All the time! Do you enjoy working with your hands? Do you like getting messy with your art? If so, Ceramics is the right class for you. Students in this class learn basic hand-building and wheel-throwing techniques to create unique and functional pottery. In addition to hands-on projects, students will study the historical significance of pottery, build creativity skills, provide and receive feedback, and reflect on and revise their work.

LEVEL TWO COURSES – Introduction to Art Required

DRAWING, PAINTING, AND PRINTMAKING 1

Grades: 10, 11, 12
Credits: 1 credit – Fine Art
Prerequisite: Introduction to Art

Oodles of doodles! A Plethora of Paint! Piles of Prints! Is your notebook full of drawings? Is your room filled with paintings and prints? If so, this class is the place for you. In Drawing, Painting, and Printmaking, students learn and practice a variety of two dimensional techniques and mediums, such as acrylic painting, linear perspective, pen and ink, and reduction printing. In addition to hands-on projects, students will work to develop their art language, build creativity skills, provide and receive feedback, and reflect on and revise their work.

SCULPTURE 1

Grades: 10, 11, 12
Credits: 1 credit – Fine Art
Prerequisite: Introduction to Art

Do you like to work with your hands? Do you like building with clay? Start this class with that favorite and familiar material, and then move on to other sculpture materials and techniques. Bring YOUR ideas and passions to create with traditional techniques of carving and casting and also construction/assemblage using wire, paper, plaster, and found objects. Learn to think, problem solve, and create intriguing three-dimensional art. See your ideas move beyond drawings into art that is experienced from more than one angle and literally pops from the walls.

PHOTOGRAPHY 1

Grades:	10, 11, 12
Credits:	1 credit – Fine Art
Prerequisite:	Introduction to Art
Required Materials:	Flash Drive, Plastic Page Protectors, 3 Ring Binder. Camera equipment is available to check out, but students may provide their own camera equipment.

Do you want to learn more about the art of taking pictures? The ability to control all of the settings on an SLR camera is a very powerful tool that allows for lots of creative flexibility in photography. This class is a great place to learn how to control camera settings, while improving photographic composition. This is a project-based class where students will have the opportunity to work with film in a darkroom, create digital photography, use Adobe PhotoShop to edit digital photography and explore Photoshop tools. In addition to hands-on projects the students will work to develop their art language, build artistic skills, understand historical influences, provide and receive feedback, and reflect on and revise their work.

LEVEL THREE COURSES

DRAWING, PAINTING, AND PRINTMAKING 2

Grades:	10, 11, 12
Credits:	1 credit – Fine Art
Prerequisite:	Drawing, Painting, and Printmaking 1

Do you love drawing, painting and printmaking? Keep working in the mediums you love and take your art to the next level. In this class students continue their exploration of two-dimensional techniques using mediums such as pencil, ink and paint. In addition to hands-on projects, students will work to develop their art language, build creativity skills, provide and receive feedback, and reflect on and revise their work.

SCULPTURE 2

Grades:	10, 11, 12
Credits:	1 credit – Fine Art
Prerequisite:	Sculpture 1

Wanted: Students up for a creative challenge. Expand your knowledge of sculpture techniques and materials. Create sculptures large or small, place-based sculpture in our community, and assemble a strong personal portfolio of theme-based work.

PHOTOGRAPHY 2

Grades:	10, 11, 12
Credits:	1 credit – Fine Art
Prerequisite:	Photography 1
Required Materials:	Flash Drive, Plastic Page Protectors, 3 Ring Binder. Camera equipment is available to check out, but students may provide their own camera equipment.

Still love Photography, and want to stretch your creativity even further? Photography 2 will expand your knowledge and skills in the darkroom, improve PhotoShop editing skills, and explore more techniques that apply to the current industry. Projects may include but are not limited to creating a series of photographs around a theme, studio lighting, darkroom manipulations and restoring old photographs. Careers in the current photographic industry will also be explored. In addition to hands-on projects the students will work to develop their art language, build artistic skills, understand historical influences, provide and receive feedback, and reflect on and revise their work.

AP STUDIO ART

Grades:	11, 12
Credits:	**SHS**: 2 credits per semester **College**: Possible college credit with a score of 3 or higher on a portfolio of work submitted to the College Board.
Prerequisites:	Instructor Approval
Required Materials:	Portfolio carrying case, which will be available for purchase.

This class is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year for possible college credit.

The AP Program offers three portfolios: Drawing, 2-D Design, and 3-D Design. The portfolios share a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns (and methods). For this course, in lieu of an AP exam, students will submit a portfolio of work to the College Board.

It is recommended that some students provide their own materials for their medium. This will be considered on a case-by-case basis.

Part of students' experiences in this course and what makes them eligible for college credit, is preparing and submitting a portfolio of work to be reviewed by the College Board. The state of Minnesota pays for about half of the cost of the portfolio review and students are responsible the remainder - approximately $50. Need based financial assistance is available.

COURSE DESCRIPTIONS

BUSINESS TECHNOLOGY

The importance of business education for high school students is demonstrated by the fact that students do not simply learn about business and technology but undergo significant development by understanding those subjects practically. Business education involves more than just mastering the art of doing business and using technology. It inculcates students with qualities like integrity, accountability, result-oriented outlook, business with social responsibility, meeting deadlines and working under pressure, keeping updated about the world around you, viewing people as your greatest resource, and doing everything with a dash of confidence and self-belief.

~From "What is the importance of "Business Studies" for high school students?" by Albertin Abelmont – available online at http://ezinearticles.com/?What-is-the-Importance-of-Business-Studies-For-High-School-Students?&id=3180700

BUSINESS COURSES

- Accounting 1
- Accounting 2
- Career Investigations
- Law
- Money Management
- Retail Store Management - Saber Shop
- Starting Your Own Business
- Sports & Entertainment Marketing

TECHNOLOGY COURSES

- Computer Applications
- Advanced Computer Applications
- Graphic Design
- Keyboarding/Word Processing
- Web Design 1
- Web Design 2

BUSINESS COURSES

ACCOUNTING 1

Grades: 10, 11, 12
Credits: 1
Recommendation: Keyboarding recommended but not required.
Enroll in a full year of Accounting 1 & Accounting 2 if you are interested in any business careers after high school, majoring in business at a post-secondary institution, interested in starting your own business, or want to understand financial information for your own personal use.
Required Materials: Calculator

Any student planning to pursue a business major or minor after high school should complete a full-year of high school accounting. Accounting 1 is essential for those who intend to enter a career at any level in business or wishes to maintain one's own personal finances. It is highly recommended for students who are interested in being a part of the business world in any capacity. This is an activity-based class where you will acquire a basic understanding of the principles, concepts, and procedures of accounting for a service business owned by one person. The primary focus of Accounting 1 is to learn accounting procedures for starting a business, creating financial statements, and completing an accounting cycle for a service business organized as a sole proprietorship. The course is classroom-based but includes online training materials and integrated computer applications. Explore Accounting 1 to see if this could be an area of interest for you to pursue.

ACCOUNTING 2

Grades:	10, 11, 12
Credits:	**SHS**: 1 **College**: Possible college credit after receiving and "A" in both Accounting 1 & 2 courses. See your counselor or the Business/Technology instructors for details.
Prerequisite:	Accounting 1
Required Materials:	Calculator

Accounting is the language of business and a second semester of accounting is highly recommended for any student planning to pursue any business degree or enter any field of business. Ensure your success at the post-secondary level and/or on the job by learning accounting now in high school. Continue your accounting knowledge and skills from Accounting 1 as we learn accounting for a merchandising business organized as a corporation. You will work with accounts receivables and payables, purchases, subsidiary ledgers, payroll, special journals, and end of fiscal period tasks. Payroll will be introduced including federal, state, and unemployment taxes. Throughout the semester we participate in the eMentor program sponsored by BestPrep, which gives you an opportunity to work directly with a partner in the business field. Networking and mentoring are essential as you leave high school and move forward successfully. This course is classroom-based but includes online training materials and integrated computer applications.

CAREER INVESTIGATIONS

Grades:	10, 11, 12
Credits:	1
Prerequisite:	None

Career Investigations provides students an opportunity to research and explore a variety of careers. Students will assess their abilities and interests, select careers to research in which they may find success and develop job seeking skills. Students will complete a study of a specific career for presentation to their class peers. The Internet is an excellent resource to obtain career information and will be used in this class as well as the Naviance website.

LAW

Grades:	10, 11, 12
Credits:	1
Prerequisite:	None

Law affects every phase of a person's life. All citizens, therefore, regardless of their roles, should know what their legal rights and duties are and how to protect them. Law is a course designed to inform individuals of their rights and obligations in business and personal dealings. Included in the course are units directly related to students' lives including: Law and Minors, Minors and Employment Law, Family Law, Landlord and Tenants Rights, Motor Vehicle Law, School Law, Criminal Law, Consumer Law, Contracts, Minnesota Statutes, and Court Procedure. Landmark cases are integrated throughout the curriculum. The Internet is used as a resource to obtain historical as well as current legal information. A field trip to a Legal Expo is also planned. Students will then do a mock trial in which their knowledge of court procedures will be practiced.

MONEY MANAGEMENT

Grades:	10, 11, 12
Credits:	1
Prerequisite:	None
Required Materials:	Calculator

Moving out on your own! Becoming independent! Learning to succeed on your own! How can you make money, save it, and yet enjoy spending some of it? Learn how to budget at various income levels. Learn about investing, payroll, personal income taxes, renting or buying a house, leasing or purchasing an automobile, insurance, wise use of credit, banking/checking and reconciling your bank account, and financial planning.

RETAIL STORE MANAGEMENT — THE SABER SHOP

Grades: 10, 11, 12
Credits: 1
Prerequisite: Good communication skills required

This class manages and operates the school store, the Saber Shop. We are responsible for planning, research, promotion, marketing, decision-making, and communications as you study business management and marketing. Students will have the opportunity to work on leadership skills as they operate the school store. As a class, we will share the responsibility of maintaining all of the daily, weekly, and monthly operations of running a successful business. Join in the fun of accomplishing the business goals we set. What great work experience while earning a credit! Your homework will involve working "hours" in the store during class and outside of class occasionally.

STARTING YOUR OWN BUSINESS

Grades: 10, 11, 12
Credits: **SHS**: 1
College: Possible college credit after receiving an "A" in the course. See your counselor or the Business/Technology teacher for details
Prerequisite: None

Be an entrepreneur! Be involved in the fastest growing segment of the job market today, running your own business. Business startups are the most successful when the owner has been educated about how to successfully run a business. The curriculum includes the ideas, the market, the financing, the business plan, franchising and many other aspects needed to create a business. Use the class to create your own business now or educate yourself for the potential of tomorrow.

SPORTS & ENTERTAINMENT MARKETING

Grades: 10, 11 & 12
Credits: 1
Prerequisite: None

This course is designed to provide students with the skills necessary to apply marketing concepts to the sports and entertainment industry. Students will explore the connection between marketing and the sports and entertainment industry. Students will have the opportunity to develop and design their own sports or entertainment franchise along with learning about marketing college, amateur, and professional sports; endorsements; and legal issues for sports and entertainment. A field trip to the Target Center is part of the semester curriculum.

TECHNOLOGY COURSES

COMPUTER APPLICATIONS

Grades: 10, 11, 12
Credits: 1
Recommendation: Keyboarding

Throughout your high school and post-secondary education along with your choice of career you will be required to use computers and technology with proficiency. How often have you been required to complete a computer task and been frustrated? Don't you wish you knew a multitude of shortcuts and could complete you're tasks in a lot less time? Computer Applications is a course designed for students to become exceptionally proficient when working with technology using "hands-on" applications. This course offers students a high degree of exposure to Microsoft Office software used in high school, business, post-secondary schools, and for personal use. You will become incredibly proficient with word processing, spreadsheets, charting, multi-media presentations and email. Make life easier for yourself—know, understand and utilize your computer well!

ADVANCED COMPUTER APPLICATIONS

Grades: 10, 11, 12
Credit: 1
Prerequisite: Computer Applications I

This course covers advanced concepts and training in Microsoft Office: Word, Excel, PowerPoint, Outlook, and Access. Students will learn how to increase their productivity by using these applications together. Successfully completing this course will prepare students for entering the work world and/or college. It is highly recommended that students who plan on attending college complete this course. Students may seek certification as a Microsoft Office Specialist upon course completion and appropriate testing.

* Preparation for this certification will be accomplished during this class.
* Microsoft Office Specialist certification, the premier Microsoft desktop certification, is a globally recognized standard for demonstrating desktop skills. The Office Specialist program is helping meet the demand for qualified and knowledgeable people in the modern workplace.

GRAPHIC DESIGN

Grades: 9, 10, 11, 12
Credits: 1
Recommendation:

Suppose you want to announce or sell something, amuse or persuade someone, or explain or demonstrate a process. You have a message you want to communicate. Graphic Design is visual communication through various forms including letterhead, business cards, brochures, fliers, newsletters, books, and calendars. We will use Adobe Suite software for creating comprehensive layouts, including formatting text and body copy, designing display headlines, setting up a document, working with process and non-process colors, placing graphics from Illustrator and Photoshop, working with tabs and tables, and preparing multiple InDesign layouts for output.

KEYBOARDING/WORD PROCESSING

Grades: 10, 11, 12
Credits: **SHS**: 1
College: Possible College credit after receiving and "A" in both Accounting 1 & 2 courses. See your counselor or the Business/Technology instructors for details.
Prerequisite: None

Keyboarding is a basic skill needed by every student and adult today. Proficiency on the keyboard is necessary within almost any occupational area. Students will be required to utilize this skill in most classes at our high school. Word Processing skills will be included in this course as you are building your keyboarding speed and accuracy. Students will never regret investing time in developing this life-long skill. Learn to use all ten fingers proficiently. It will definitely be worth your time and effort.

WEB DESIGN 1

Grades: 10, 11, 12
Credits: **SHS**: 1
College: Possible college credit after receiving an "A" in the course – see your counselor or Business/ Technology teacher for details
Prerequisite: Keyboarding highly recommended but not required
Graduation Requirement: Fine Arts

Learn HTML, XHTML and CSS. This course will teach you how to create websites from the simple to the dynamic, interactive web pages. Learn to code and create websites containing text, graphics, navigation, images, and other web elements. Students will design websites that are practical to the business world as well as a student's personal professional development. Web design basics, copyright issues, and netiquette will also be covered. Enroll and learn how to develop professional looking websites that can lead you to post-high school educational or work environments.

WEB DESIGN 2

Grades: 10, 11, 12

Credits: **SHS**: 1

College: Possible after receiving an "A" in the course – see your counselor or Business/ Technology teacher for details

Prerequisite: Successful completion of Web Design 1

Do you love to code? Did you enjoy your first Web Design class but wanted to go further? Enhance your coding skills and enroll in this class. Your skills will be taken to a new level. Designing and developing multimedia based websites that compel users to interact with your website is essential for today's web developer. A variety of web development tools will be used to develop multimedia websites for the changing World Wide Web landscape. This course will be project-based. You will become competent in multiple facets of web design including planning, development, and publishing. Enroll and become part of a fun, dynamic class.

Why take Business/Marketing/Management Courses?

- You are planning to major in business, finance, marketing, management, or accounting in college.
- You are planning on starting your own business some day.
- You are interested in knowing how to manage your own earnings.
- You are interested in retail and would like to have a future in retail management.
- You want to learn lifelong skills.

Careers: Business

Course Name	Accounting 1	Accounting 2	Career Investigations	Law	Money Management	Retail Store Management	The Saber Shop	Start Your Own Business	Sports Marketing
Grade Level	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	
Who Should Take									
All students	X		X	X	X				
Full-time work after high school	X	X	X	X	X	X	X	X	
Attending 2-year college	X	X	X	X	X	X	X	X	
Attending 4-year college or Business major	X	X	X	X	X	X	X	X	
CAREER FIELD: Business, Management, & Administration									
Marketing, Sales, and Service									
Buying and Merchandising						X	X	X	
Distribution and Logistics						X	X	X	
E-Marketing						X	X	X	
Management and Entrepreneurship	X	X				X	X	X	
Marketing Communications and Promotion						X	X	X	
Marketing Information Management and Research						X	X	X	
Professional Sales and Marketing						X	X	X	
Business, Management, and Administration									
Administrative and Information Support						X	X		
Business Analysis	X	X			X	X	X	X	
Business Financial Management and Accounting	X	X			X	X	X	X	
Marketing						X	X	X	
Human Resources				X		X	X	X	
Management						X	X		
Hospitality and Tourism									
Lodging									
Recreation, Amusements, and Attractions								X	
Restaurants and Food/Beverage Services						X			
Travel and Tourism								X	
Finance									
Banking and Related Services	X	X			X	X	X		
Business Financial Management	X	X			X	X	X		
Financial and Investment Planning	X	X			X		X		
Insurance Services				X	X		X		

Why take Business/Technology Courses?

- You are interested in becoming more proficient in Microsoft products.
- You want to improve your speed and accuracy on computers.
- You are interested in a career in graphic design.
- You are interested in a career in web development.
- You want to learn lifelong skills.

Careers: Technology

Course Name	Communications	Exploring Computers	Computer Applications	Advanced Computer Applications	Graphic Design	Keyboarding/ Word Processing	Web Design 1	Web Design 2
Grade Level	6	8	9 - 12	10 - 12	9 - 12	10 - 12	10 - 12	10 - 12
Meets Art Standard Requirement							Meets	
Who Should Take								
All students	X	X	X			X		
Full-time work after high school	X	X	X			X		
Attending 2-year college	X	X	X			X		
Attending 4-year college or non-Information Technology major	X	X	X			X		
CAREER FIELD: Arts, Communications & Information Systems								
Arts, Audio/Video Technology, and Communications								
Audio/Video Technology and Film	X	X	X			X		
Journalism and Broadcasting	X	X	X		X	X		
Performing Arts	X	X	X			X		
Printing Technology	X	X	X		X	X		
Telecommunications	X	X	X		X	X	X	X
Visual Arts	X	X	X		X	X	X	X
Information Technology								
Information Support and Services	X	X	X	X		X	X	X
Network Systems	X	X	X			X	X	X
Programming and Software Development	X	X	X	X	X	X	X	X
Web and Digital Communications	X	X	X	X	X	X	X	X

COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS

English language arts (ELA) are all of the communication and language skills and processes people use every day to receive and send information. We receive information through listening, viewing, and reading, and we send information through writing, speaking, facial expression, body language, and auditory and visual representations. We use language to learn, to question, to share feelings, to help others, to be part of civilization. The ability to use and understand language, both spoken and written, is critical to every aspect of students' lives.

The Minnesota Graduation Rule and Shakopee School Board's Graduation Requirements policy require that four years' equivalent of English Language Arts courses are taken by students during their high school career (8 total credits). The chart below represents the English Language Arts options available to students throughout their high school careers.

STUDENT PATHWAYS THROUGH SHAKOPEE HIGH SCHOOL'S ENGLISH CURRICULUM

GRADE	REGULAR	HONORS	ACCELERATED*
9	English 9	Honors English 9	
10	English 10	Honors English 10	
11	English 11		**AP** Language & Composition (year)
12	English 12: 21st Century communication (1 sem) English 12: Exploring Self-Identityl (1 sem) Humanities (1 sem)		**CIS** University Writing (1 sem) **CIS** Public Speaking (1 sem) **CIS** Intro to Literature (1 sem) **AP** Language & Composition (year)

NOTE | There are no Twice-Accelerated courses available in the English Language Arts curriculum.

A more detailed and colorized diagram reflecting the Advanced Course options in English Language Arts is available on the Shakopee High Potential Services website: http://shakopee.schoolwires.net/Page/493

ENGLISH 9 REQUIREMENT OPTIONS

ENGLISH 9A & 9B

Grade: 9
Credits: 1 per semester
Prerequisite: None
NCAA Core Course

The English 9 course is designed to fulfill the language arts core requirement for 9th grade. Students will write in a variety of formats including journals, narratives, and research/persuasive pieces. In addition, students will read and view fiction and nonfiction works critically, speak informally and formally, and study the grammar and mechanics of the English language.

HONORS ENGLISH 9A & 9B

Grade: 9
Credits: 1 per semester
Prerequisites: Honors English 8
Eligibility: Successful completion of Honors English 8 or placement made by identification criteria
NCAA Core Course

The Honors English 9 course is designed for students who possess superior language arts skills and have the desire to learn at an intense and accelerated pace. Students will examine the principle literary genres in a variety of short stories, novels, plays and poetry. The focus of the class will be critical analysis of the literature through discussion and writing. Students should anticipate required reading over the summer and an independent study project during the school year.
The course profile includes:

- Thematic organization of curriculum
- Emphasis on inquiry, analysis and interpretation of literature
- Emphasis on in-depth projects and challenging homework
- Faster paced deadlines

ENGLISH 10 REQUIREMENT OPTIONS

ENGLISH 10A & 10B

Grade: 10
Credits: 1 per semester
Prerequisite: None
NCAA Core Course

English 10A focuses on American Literature. The course emphasizes reading strategies and writing process skills to prepare students for higher-level literary analysis and writing. Students read both classic and recent literature and non-fiction, write for a variety of purposes, and develop vocabulary and grammar skills throughout the semester.

English 10B continues the theme of the American Dream with more focus on overcoming disadvantages and empowerment. The study of reading and writing continues with more emphasis placed on independent learning. Writing for argument, along with vocabulary and grammar, is the focus of many of the writing assignments.

HONORS ENGLISH 10A & 10B

Grade: 10
Credits: 1 per semester
Prerequisites: Honors English 9
Eligibility: Successful completion of Honors English 9 or placement made by identification criteria
NCAA Core Course

Honors English 10 focuses on the same standards as English 10 but targets students who desire a more rigorous academic environment. Honors English 10 moves more quickly than regular English and includes more literature and writing. **This is a challenging class and is designed for students who enjoy reading and writing.**

Summer reading is required prior to taking this class. Students will take a test on the novel during the first week of the semester, which will be graded and included in the first semester grade. Students will not be able to drop this course after August 1.

ENGLISH 11 REQUIREMENT OPTIONS

ENGLISH 11A & 11B

Grade: 11
Credits: 1 per semester
Prerequisite: None
NCAA Core Course

English 11 is a full year, two-semester course which addresses the reading, writing, speaking and listening standards. Students will read, analyze and discuss texts in multiple formats, including both fiction and non-fiction. Emphasis is placed on world literature and diverse perspectives. Students will write for a variety of purposes with an emphasis on argumentation.

AP LANGUAGE & COMPOSITION

Grades: 11, 12
Schedule: 2 Semesters
Credits: 1 per semester (2 total)
Prerequisites: None
NCAA Core Course

The AP English Language and Composition course focuses on rhetorical analysis of nonfiction texts and the development and revision of well-reasoned, evidence centered, analytic and argumentative writing. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students will have the option to take the AP English Language and Composition exam.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

ENGLISH 12 REQUIREMENT OPTIONS

Students will take 2 credits from the following options to meet their 12th grade English graduation requirements.

ENGLISH 12: 21ST CENTURY COMMUNICATION

Grades: 12 only
Credits: 1 credit
Prerequisites: None
NCAA Core Course

English 12A is one semester of a 12th grade English program that addresses the reading, writing, speaking and listening standards. Students will read, analyze, and discuss texts in multiple formats, including both fiction and non-fiction. Emphasis is placed on 21st century modes of communication. Students will write for a variety of purposes with an emphasis on argumentation.

ENGLISH 12: EXPLORING SELF-IDENTITY

Grades: 12 only
Credits: 1 credit
Prerequisites: None
NCAA Core Course

English 12B is one semester of a 12th grade English program that addresses the reading, writing, speaking and listening standards. Students will read, analyze, and discuss texts in multiple formats, including both fiction and non-fiction. Emphasis is placed on introspection and personal expression. Students will write for a variety of purposes with an emphasis on argumentation.

HUMANITIES

Grades: 11, 12
Credits: **2 credits** - 1 English and 1 Social Studies—This is a two-hour block course
NCAA Core Course

Humanities is designed to use a holistic approach to education. Humanities foster understanding of how subjects parallel, using history, art, literature, religion, music, politics, and society to make connections between the past and the present, between the diverse world cultures and you. As a team-taught course between the Social Studies and English Departments, Humanities is intended to prepare juniors and seniors with knowledge and skills necessary to succeed in rigorous academic environments. Students will be expected to write four to five compositions, work on grammatical concepts, expand their knowledge base, think analytically, prepare presentations, and excel in class discussions. This course will be taught as a two-hour block, and each student who successfully completes the course will receive both a social studies and an English credit. **Students must sign up for the Social Studies Humanities class in addition to this course.**

CIS: INTRODUCTION TO LITERATURE: POETRY, DRAMA & NARRATIVE A & B (ENGL 1001W)

Grades: 11, 12
Schedule: 1 Semester
Credits: **SHS**: 2 credits – English Writing or English Elective
College: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites: None
Eligibility: Must meet the University of Minnesota's course admission requirements: Must be a senior in the top 20% of the class or junior with instructor approval.
Fee: Recommended field trip fee - $15
NCAA Core Course

CIS: Introduction to Literature is a semester course. This course is designed and articulated through the University of Minnesota. Students who successfully complete this course will receive four U of MN credits in Literature and two Shakopee High School credits. Students read eight to ten stimulating books from 20th Century fiction. The novels for this course cover a range of mature, and sometimes controversial, subjects. Students should expect to read material that challenges what they know while embracing their individual interpretation. Students will discuss literary form and interpretation, as well as bringing in their own experiences and connections. Actively participating in class discussion, helping to lead class discussion, writing essays and formal papers, and, of course, reading will be required of all students. This course is considered writing intensive. Students will write for a variety of purposes with an emphasis on thorough analysis and argumentation. Because this is a discussion-based course, absences will affect the student's understanding, learning, and grades, accordingly. Students successfully completing CIS Introduction to Literature will receive four University of Minnesota semester credits. College Credit is recorded on your official University of MN transcript.

CIS: INTRODUCTION TO PUBLIC SPEAKING (COMM 1101)

Grades:	11, 12
Credits:	**SHS**: 1.5 credits – English Oral or English Elective
	College: 3 semester credits from the University of Minnesota/Twin Cities
Prerequisites:	None
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must be a junior or senior in the top 50% of the class

NCAA Core Course

This course is intended for students who want a challenge and have confidence speaking in front of others. The objectives are to better understand the principles of oral communication; to improve skills in researching, writing, and organizing effective presentations that are appropriate to particular audiences; to improve and gain confidence in delivery skills; learn to critically evaluate your own speeches, as well as your classmates' speeches and to accept and implement the suggestions of others to enhance your own work; and to develop an awareness of the consequences of our communication and acquire an appreciation of the responsibilities of ethical communication. Students registering for this class must be comfortable speaking publicly and have a desire to improve rather than develop their abilities. Students successfully completing CIS Public Speaking will receive three University of Minnesota semester credits.

CIS: UNIVERSITY WRITING (WRIT 1301)

Grades:	11, 12
Credits:	**SHS**: 2 credits – English Writing or English Elective
	College: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites:	None
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must a senior in the top 20% of the class
Fee:	Recommended field trip fee - $20
Required Materials:	6 folders to submit work

NCAA Core Course

College in the Schools: University Writing 1301 is designed and articulated with the University of Minnesota. Students who successfully complete this course will receive four U of MN credits in English. Students with above average writing ability are most successful in this college freshman course. Students will utilize the writing process required in a college setting, perfect grammar knowledge, research in and out of school, conference with peers and instructor about papers, critically analyze topics, and fluently express themselves. Students will write for a variety of purposes and audiences. Students successfully completing CIS University Writing 1301 will receive four University of Minnesota semester credits. College Credit is recorded on your official University of MN transcript.

A paper receiving an "A" in an Honors English 10 course, may only be a "C" in CIS Writing. This is a college-level course – not a preparatory class- and is graded as such. To earn a high grade, students can expect to spend 8-10 hours a week outside of school researching and writing.

AP LANGUAGE & COMPOSITION

Grades:	11, 12
Schedule:	2 Semesters
Credits:	1 per semester (2 total)
Prerequisites:	None

NCAA Core Course

The AP English Language and Composition course focuses on rhetorical analysis of nonfiction texts and the development and revision of well-reasoned, evidence centered, analytic and argumentative writing. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students will have the option to take the AP English Language and Composition exam.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

ELECTIVE OPTIONS

These courses will NOT fulfill your English credit requirements, but WILL be elective credit towards graduation.

PUBLIC SPEAKING

Grades: 10, 11, 12
Credits: 1 credit
Prerequisites: None
NCAA Core Course

Public Speaking is a beginning course in public speaking. This course combines communication theory with practical speaking experiences. Students will learn how to plan, prepare, organize, outline, and deliver a speech. A variety of speaking experiences of varying lengths are required. Some types of speeches may include: values, career, demonstration, storytelling, oral interpretation, informative, persuasive, debate, and impromptu. This course will help students be successful with real-life experiences and in preparation for the required college public speaking course.

THEATER I

Grades: 10, 11, 12
Credits: 1 credit – Fine Arts
Prerequisites: None

This course is designed to examine the history of theater and includes the development of character roles for the stage. A variety of topics and issues will be addressed and incorporated into the study off the craft of performance including; movement, character development, voice, and the audition process. Students will be expected to keep a journal to write personal reflections of various in-class individual and group performances. Students will perform dramatic monologue(s) and dialogue(s). A critical review of a professional live performance will be required of each student.

THEATER II

Grades: 10, 11, 12
Credits: 1 credit – Fine Arts
Prerequisites: Theater I or instructor approval

This course will continue at an advanced level to examine the history of theater and the development of character roles for the stage. This course will survey historical aspects of theater, including Greek and Shakespearean studies through Contemporary styles of performance and stage work. Students will be expected to develop two monologues, participate in script writing and performance-based activities. Students will be expected to keep a journal to write personal reflections of various in-class individual and group performances. A critical review of a professional live performance will be required in this class. A culminating activity will be a performance of a one act play before a select audience.

CREATIVE WRITING

Grades: 10, 11, 12
Credits: 1 credit
Prerequisite: None
NCAA Core Course

Creative Writing is designed for students who enjoy creative self-expression through writing. Works of established authors will be discussed and evaluated. A variety of writing styles will be examined. Students will concentrate on the tools and techniques of writing: characterization, setting, and plot. Students will write three major creative pieces and some minor works.

MASS MEDIA/FILM STUDY

Grades: 10, 11, 12
Credits 1 credit
Required Materials: Ability to borrow or rent films for home viewing

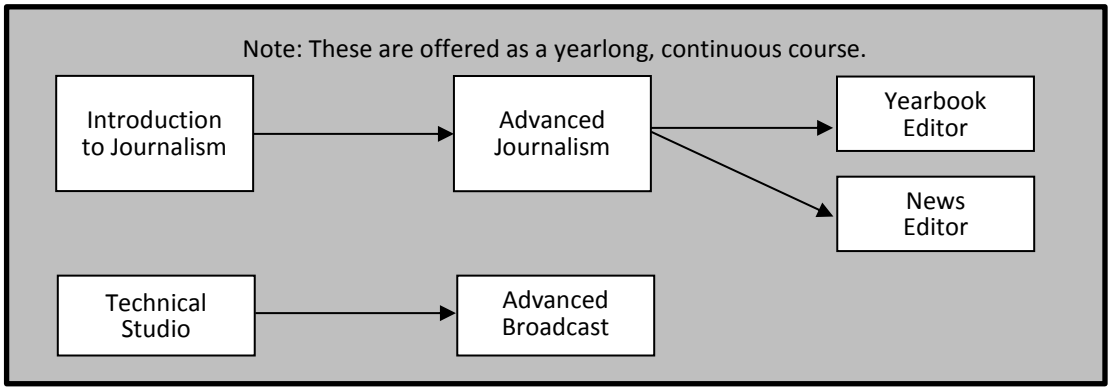
Mass Media/Film Study is an opportunity for students to take a more critical look at the media that influences them. The first quarter focuses on concepts and trends in advertising, television, and news media. The second quarter is a study of film history and appreciation. This is a great introductory class for students interested in pursuing careers in business, marketing, or public relations. Students registering for this class should be prepared to view, analyze, and discuss various media and write several papers.

JOURNALISM PROGRAM

Shakopee High School's Journalism program is designed to introduce students to all facets of the journalist's craft: reporting, writing, design, graphics, photography, broadcast, and multimedia. Students will conceptualize, create, and produce content for all three school publications (the yearbook, newspaper, and broadcast shows). Students will enter the program by filling out an application from the counselor's office and registering for either Intro to Journalism or Technical Broadcasting.

After completing an entry-level course, interested students can move on to the advanced classes, where they will have more responsibility and creative control.

Highly motivated, well-performing students can also apply for Editorial positions, where they will spend a year as Chief Editor/Manager of one of the three publications.



INTRODUCTION TO JOURNALISM / ADVANCED JOURNALISM

Grades: 10, 11, 12
Credits 1 per semester
Prerequisite: None

The yearlong Journalism course gives you the basic knowledge and skills you need to be a part of SHS's student media. You will attend events, report on news, take photos and video and use advanced software to produce stories for the news website, the yearbook, and the broadcast show. Students should have an interest in hands-on work, current events, school news, storytelling, and media in general. A willingness to talk to people goes a long way. There are no prerequisites, but Photography, Graphic Design, and any writing course will be helpful.

Students will receive two semester credits and will be able to take Advanced Broadcast, Yearbook Editor, or News Editor after successful completion.

NEWS EDITOR

Grades: 11, 12
Credits: 1 per semester
Prerequisite: Introduction to Journalism and Advanced Journalism

Advanced Journalism is an opportunity for serious journalism students to design school publications from the "ground up." Students will plan and design the newspaper and/or news website as a whole, coordinate layout (with the Intro to Journalism students), and write articles with greater subject flexibility.

YEARBOOK EDITOR

Grades: 11, 12
Credits: 1 per semester
Prerequisites: Introduction to Journalism and Advanced Journalism

Yearbook Editor gives committed and dedicated students the opportunity to continue and enhance their involvement in the production of the yearbook. Students will gather information, photograph activities and events, write text, design layouts, and learn software applications used to create the yearbook (YearTech Online, Adobe Creative Suite, etc.). Students will also assume the role of editor and work to plan, approve, improve, and proofread their classmates' work. Finally, students will study advanced journalism and design concepts as well as explore the business management side of publication.

ADVANCED BROADCAST

Grades: 11, 12
Credits: 1 credit
Prerequisite: Technical Studio or Introduction to Journalism

This course is taught in the studio with the objective of the course being the elements of writing, speaking, filming, producing, directing, and editing a news broadcast on a daily basis aimed at the general audience of Shakopee High School and within the community. This course is designed for students with an interest in broadcasting, public speaking, and video technology. Students will also work on special projects and in-depth editing to provide videos for broadcast. This will be a fast paced learning environment with a substantial amount of work expected outside of the classroom.

TECHNICAL STUDIO

Grades: 10, 11, 12
Credits: 1 credit
Prerequisite: None

Technical Studio will focus on the operations and technical support of video production and broadcasting. Students will learn the basics of capturing video, interviewing, writing, editing, and production skills for a variety of purposes. Students will gain experience working behind the camera to produce quality videos for authentic school and community situations or to prepare for the opportunity to be in front of the camera. This course is a prerequisite for Advanced Broadcast Journalism.

COURSE DESCRIPTIONS

FAMILY and CONSUMER SCIENCE

One does not need to look very far to realize the ills of our society and the areas of our lives that most often bring us heartache. Family problems – divorce – violence – often a result of poor communication skills, financial or consumer related problems, health problems related to poor nutrition, challenges in understanding and raising our children, and a general stressed lifestyle, filled with time and resources management problems, are too common to us all. This is the primary focus of Family and Consumer Sciences (FACS) education.

While it is easy to recognize the importance of literacy and math skills for future success, too often we do not recognize the important role positive human relationships, good nutrition, and a balanced lifestyle play in the ability of students to come to school ready to learn and to enter the 'adult' world ready to raise strong families and fulfill their role as productive citizens. While we spend enormous amounts of taxpayers' dollars attempting to deal with these challenges, we often overlook the importance of prevention.

Family and consumer sciences help to fill that void. We know these problems have no barriers. Rich or poor, male or female, gifted or challenged, Republican or Democrat, black, white, religious or not — we all experience the heartache. And we know there is knowledge, and there are skills, and habits of the mind that we can teach to make a difference.

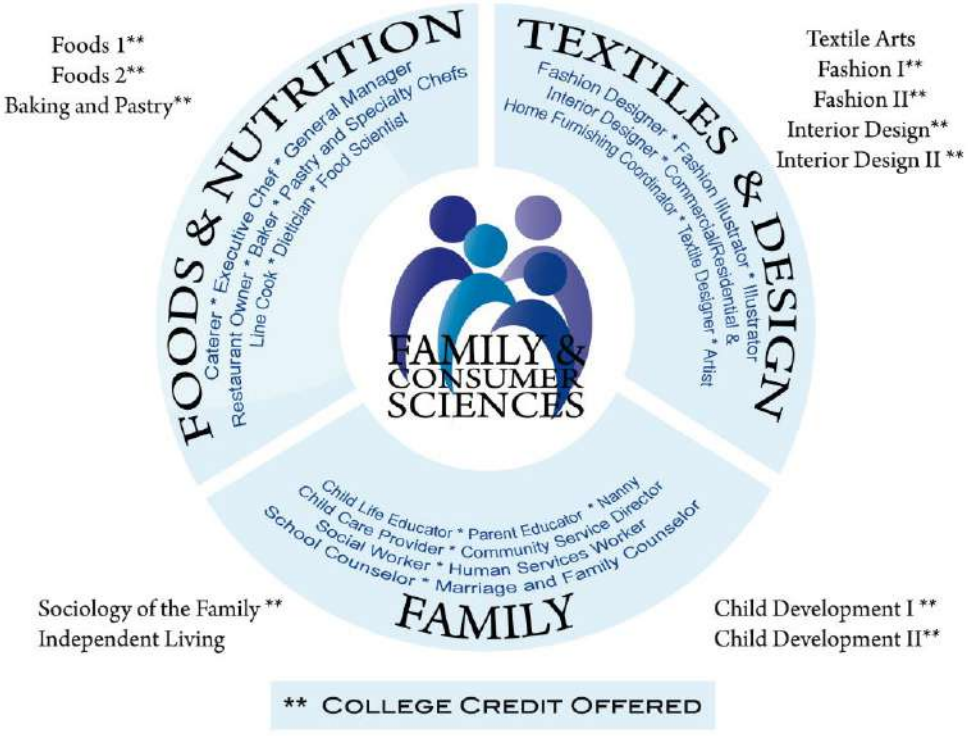
~From the Pennsylvania Department of Education – available online at http://www.education.state.pa.us/portal/server.pt/community/family_consumer_sciences_education/7535/value_of_family_and_consumer_sciences/508305

FAMILY & CONSUMER SCIENCE (FACS)

Family and Consumer Science draws from broad and diverse disciplines to provide a holistic education that helps individuals become more effective critical thinkers and problem solvers. Our classes help individuals and families develop essential skills to successfully live and work in a complex world.

Our FACS department offers classes from a variety of fields, including human development, personal and family finance, housing and interior design, food science, nutrtion, textiles and apparel, and consumer issues.

Our classes are competitive, challenging and fun. Many of our courses meet the Fine Arts requirement for graduation and most also offer college credit.



** COLLEGE CREDIT OFFERED

TEXTILE ARTS

Grades: 10, 11, 12
Credits: 1 credit - Fine Art

Have you ever wondered how to use your old clothes and make something useful – like a rug or a purse? If so, this hands-on class is for you! Using the elements and principals of design you will learn various beadwork techniques to produce lazy/lane stitch projects, key chains, bracelets and jewelry. While we will focus on Native American beadwork stitches, we will also learn about how other societies in the world use textiles in a unique and interesting way. You'll work with dyes, wool, embroidery floss, wire, yarn and old clothes to create useable projects and art pieces. Projects may include: beaded bracelets and necklaces, hand embroidery, cross-stitch, felting, Japanese tie dye (Shibori), and handbag or coin purse creation out of recyclable materials such as plastic juice boxes. Some sewing (hand and machine) will be used.

CREATIVE SEWING

Grades: 9, 10, 11, 12
Credits: 1 credit - Fine Art
Required Materials: Materials for the construction of your projects.

Are you creative? Do you like the new clothing styles and fashion? This class will provide you with an overview of different sewing concepts, such as quilting, garment construction, crocheting, knitting, and much more. You will sew articles of your choice, e.g. dresses, skirts, pillows, pajama pants and anything of your choosing. You are required to construct two projects and design three items of your choice. This class is a prerequisite for Fashion 2 and Costume Design.

FASHION 1

Grades: 9, 10, 11, 12
Credits: 1 credit - Fine Art
Required Materials: A notebook, pens/pencils, colored pencils and purchase fabric as needed.

Would you like to design your own wardrobe? In this fashion class you will explore fashion, fads, designers, private clothing labels, and the marketing of clothing. The elements and principles of design and colors will also be explored in this class. You will be designing clothing and costumes for various body types. You will design garments and make them from unusual household items; foil, paper bags and duct tape. This class is a prerequisite for Fashion 2 and Costume Design.

FASHION 2 AND COSTUME DESIGN

Grades: 9, 10, 11, 12
Credits: 1 credit - Fine Art
Prerequisite: Fashion 1 and/or Creative Sewing
Required Materials: A notebook, pens/pencils, colored pencils and purchase fabric as needed.

Would you like to design and produce costumes for the Drama Department at Shakopee High School? This class will work on costuming for the drama productions and other departments in need of costumes. You will learn about the history of theatrical costumes and costumes designers and how to alter, repair and clean costumes for the theatre. You will be learning the technique of draping a garment and producing and wearing the garment.

CHILD DEVELOPMENT 1

Grades: 10, 11, 12
Credits: **SHS**: 1
College: College credit is available for this class upon completion of extra credit and earning a "B" or better in both Child Development I & II. The course must be completed as a junior or senior.

Yes, this is the class that will give you an opportunity to wear an "Empathy Belly" and carry the "Baby Think It Over." Child development I is a course for anyone who is interested in learning about children. Do you know what type of parent you want to be some day? Do you know when a fetus develops a heartbeat? Do you know how much it will cost to raise child from birth to age 18? If not, then you'll learn these things and much more in this class. We will investigate the issues of parenthood, learn about pregnancy and prenatal development, and study labor, delivery and newborn infancy up to age one. This is a great course for future parents and those who are interested in careers involving young children.

CHILD DEVELOPMENT 2

Grades: 10, 11, 12
Credits: **SHS**: 1
College: College credit is available for this class upon completion of extra credit and earning a "B" or better in both Child Development I & II. The course must be completed as a junior or senior.
Prerequisite: C or better in Child Development I

Child development 2 will help you to better understand children ages one to five. We will learn about the stages of development children go through and how they learn. We interact with children ages one to five by having "play days" at the school, as well as visiting and helping in our pre-schools. We will discuss careers involving children as well as parenting skills for raising children ages one through five, which will help those who are interested in careers involving children as well as being a good parent later in life.

SOCIOLOGY OF THE FAMILY

Grades: 11, 12
Credits: **SHS**: 1
College: College credit is available for this class upon completion of extra credit and earning a 'B' or better in Sociology of the Family.
Fee: $5.00 for flour baby supplies

Families are the basic unit of society and each of us is a part of one. In this course we will investigate adult roles in society, mate selection, engagement, marriage, conflict resolution, interpersonal relationships, family finances, domestic violence, divorce, raising children, and death/grief. This is the perfect class for anyone who is interested in understanding how families function in today's society.

INDEPENDENT LIVING

Grades: 11, 12
Credits: 1

You want to leave home after graduation, right? This course is designed to help you learn how to survive life after high school. After taking this class you will know how to rent an apartment, read a lease, buy a car and search for the best insurance. You will also be aware of how advertising affects your choices, why credit cards can be good and dangerous, and how to meet people. Take this course to prepare for your future after high school.

FOODS 1

Grades: 9, 10, 11, 12
Credits: **SHS**: 1
College: College credit is available for this class upon completion of extra credit and earning a 'B' or better in both Foods 1 and Foods 2.

Do you know what is in your food? Is your idea of cooking mixing together a box of macaroni and cheese? If you don't know how to cook at all or even if you have some experience in the kitchen but want to learn more, this it the class for you! This is an introductory course that will help students learn how to read a recipe and use proper measuring techniques, safe food preparation, and correct ways to use kitchen tools. These skills will help you produce good tasting meals now and later when you are on your own. Learn how to make muffins, omelets, cookies, healthy snacks and more.

WORLD FOODS 1

Grades: 9
Credits: 1

Come and explore the excited world of food! Explore the food heritage of the world as you are introduced to the culture and cuisine of many countries. You will prepare a variety of ethnic foods including Asian, Italian, Mexican, Greek, German, and Russian. We will also explore cultural, social and psychological influences on food choices. Get ready for an exhilarating food journey!

FOODS 2

Grades: 10, 11, 12
Credits: **SHS**: 1
College: College credit is available for this class upon completion of extra credit and earning a 'B' or better in both Foods 1 and Foods 2. Foods 2 must be taken during junior or senior year and you must have a food-oriented job.
Prerequisite: Foods 1

In this course, we explore each area of the food guide pyramid while learning about the science that occurs during the cooking process and how to make healthy eating choices. You'll learn how to make soup, salsa, stir-fry, tortillas and noodles from scratch. You'll even learn how to make homemade whipped cream and bread pudding! We will also research and prepare foods from other countries around the world. This course is designed for students interested in taking their education in foods further and learning to prepare more difficult meals and recipes.

BAKING & PASTRY

Grades: 10, 11, 12
Credits: **SHS**: 1
College: College credit is available for this class upon completion of extra credit and earning an 80% or better in this course.
Prerequisite: Foods 1

This course will take the solid baking skills that you developed in Foods 1 to a whole new level. This course will introduce you to the art of confectionary crafting and edible creations. You will explore how to make artisan breads and learn techniques for making various kinds of pies, tarts and pastries. You will have the opportunity to learn how to make delicious food such as custards, mousse, homemade pretzels, and everyone's favorite – cookies! You will compete in an Ultimate Cake Boss competition against your classmates, demonstrating your newly developed cake decorating skills. For those whose hearts are set on creating the sweeter things in life, Baking and Pastry is the class for you. You don't want to miss it!

INTERIOR DESIGN 1

Grades: 9, 10, 11, 12
Credits: **SHS**: 1
College: Articulated with Dakota County Technical College—College credit is available if course is taken during junior or senior year.
Graduation Requirement: Fine Art

Housing and interior design is a course that will teach you the basics of exterior and interior home design. We will study the history of housing and the elements and principles of design, which will guide students to creatively and knowledgeably design rooms. Students will develop floor plans and presentation boards that reflect how color, texture, line, space, and proportion affect our mood and comfort level.

INTERIOR DESIGN 2

Grades: 10, 11, 12
Credits: **SHS**: 1
College: Articulated with Dakota County Technical College—College credit is available if course is taken during junior or senior year.
Prerequisite: Interior Design 1
Graduation Requirement: Fine Art

This class is for students who have taken Housing and Interior Design 1 and want to increase their knowledge of the principals and elements of design. There will be several hands on projects dealing with furniture design, color, traffic patterns and home maintenance. The class will also design kitchens, bathrooms, office spaces, and laundry rooms using a computer software program.

COURSE DESCRIPTIONS

HEALTH and PHYSICAL EDUCATION

Health & Physical education play a critical role in educating the whole student. Research supports the importance of movement in educating both mind and body. Physical education contributes directly to development of physical competence and fitness. It also helps students to make informed choices and understand the value of leading a physically active lifestyle. The benefits of physical education can affect both academic learning and physical activity patterns of students. The healthy, physically active student is more likely to be academically motivated, alert, and successful. As children grow and enter adolescence, physical activity enhances the development of a positive self-concept as well as the ability to pursue intellectual, social and emotional challenges. Throughout the school years, quality health & physical education can promote social, cooperative and problem solving competencies. Quality health & physical education programs in our nation's schools are essential in developing motor skills, physical fitness and understanding of concepts that foster lifelong healthy lifestyles.

~From the National Association for Sport and Physical Education – available online at
http://www.aahperd.org/naspe/standards/upload/Physical-Education-is-Critical-to-a-Complete-Education-2001.pdf

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GRADUATION REQUIREMENT FULFILLING HEALTH

HEALTHY LIFESTYLES

Grades: 10, 11, 12 (strongly encourage students to take Sophomore year)
Credits: 1
Prerequisite: None

Providing current, accurate information that students can use to make informed decisions regarding their personal health is what this class is all about. The class is designed around the 6 priority areas of health education as published by the Center for Disease Control. Prevention of Unintentional and Intentional Injuries (Motor Vehicle Accidents and Suicide are the top two killers of high school aged students), Excessive Consumption of Fats and Calories, Drug Use and Abuse, Tobacco Use, Sexual Activity that Results in Unwanted Pregnancy, Sexually Transmitted Infections and HIV/AIDS, Physical Inactivity are the 6 Priority Areas.

HEALTH ELECTIVE COURSE

TEEN ISSUES & STRESS MANAGEMENT

Grades: 11, 12
Credits: 1
Prerequisite: Healthy Lifestyles

This course will concentrate on the following four attributes of emotional intelligence and the associated skills.

1. **Self-awareness** – You recognize your own emotions and how they affect your thoughts and behavior, know your strengths and weaknesses, and have self-confidence.
2. **Self-management** – You're able to control impulsive feelings and behaviors, manage your emotions in healthy ways, take initiative, follow through on commitments, and adapt to changing circumstances.
3. **Social awareness** – You can understand the emotions, needs, and concerns of other people, pick up on emotional cues, feel comfortable socially, and recognize the power dynamics in a group or organization.
4. **Relationship management** – You know how to develop and maintain good relationships, communicate clearly, inspire and influence others, work well in a team, and manage conflict.
    - Emotional intelligence skill 1: The ability to quickly reduce stress.
    - Emotional intelligence skill 2: The ability to recognize and manage your emotions.
    - Emotional intelligence skill 3: The ability to connect with others using nonverbal communication.

- Emotional intelligence skill 4: The ability to use humor and play to deal with challenges.
- Emotional intelligence skill 5: The ability to resolve conflicts positively and with confidence.

All students will create and present a comprehensive emotional development project. The project consists of exploring life experiences and how those experiences have shaped the student, an expression of the real person void of the pressures to conform and fit into the environment, and also the creation of a plan on how to meet personal goals and aspirations as they move forward in life.

GRADUATION REQUIREMENT FULFILLING PHYSICAL EDUCATION COURSES (GRADE 9-12)

PHYSICAL EDUCATION 9

Grades: 9
Credits: 1
Prerequisite: None

Students in Physical Education 9 will explore personal fitness through their understanding of the rules and skills of team and individual sports. Activities may include, but not be limited to archery, volleyball, fitness testing, dance, cross country skiing, rollerblading, broomball, soccer, badminton, lacrosse and ultimate Frisbee.

LIFETIME SPORTS & FITNESS

Grades: 10, 11, 12 (typically a sophomore course)
Credits: 1
Prerequisite: None

This course offers each student an assessment of their personal fitness level and the way to develop an individual fitness program through weight training, aerobic exercise, metrics movement, and calisthenics. Students will study and participate in a variety of individual, dual and team sports according to the season of the school year. This course may best suit the student who likes to compete in a variety of activities, as well as learn a variety of methods of fitness to live a healthy life style.

INTRODUCTION TO PERSONAL FITNESS & NUTRITION

Grades: 10, 11, 12
Credits: 1
Graduation Requirement: Physical Education

Students will participate in all types of aerobic activities. The activities will include aerobics, weight training, and non-competitive lifetime sport activities. Students will learn and develop personal fitness and nutrition programs. This course may best suit the student who does not enjoy a competitive class and is interested in learning how to live a healthy lifestyle.

INDIVIDUAL & OUTDOOR ACTIVITIES

Grade: 10, 11, 12
Credits: 1
Prerequisite: None
Graduation Requirement: Physical Education

Students will understand the rules and skills of racquetball, rec. games, cross-country skiing, snow shoeing, archery, rock climbing, disc golf, tennis and golf. They will know and apply safety procedures related to self and others, as well as understand principles of training necessary to improve fitness. This course may best suit the student who is interested in learning a variety of lifetime activities, and likes to be outdoors.

PHYSICAL EDUCATION ELECTIVE COURSES

BODY SHAPING

Grades: 10, 11, 12
Credits: 1
Prerequisite: None

This class is not for students who want to power lift — if power lifting is what you desire, sign up for BFS Strength Training. It covers different types of programs for lifting, stretching exercises, the kinesthetic and physiological effects of weight training on the muscular system, the main muscles of the body — their function and exercises to strengthen them, problems with steroids, and good nutrition.

Students may take this class as many times as they would like; however, they may only earn one credit for Body Shaping. Students who have taken BFS are not eligible to enroll in Body Shaping.

INTRO TO BFS WEIGHT-TRAINING 9

Grade: 9
Credits: 1
Prerequisite: None

Students will take part in Bigger Faster Stronger activities that will enhance their cardiovascular fitness, speed/agility, flexibility, muscular strength and endurance.

Objectives:

- You will learn how to use proper lifting techniques.
- You will learn how to follow safety guidelines and all weight room rules.
- You will maintain a daily weight-training log.
- You will recognize the benefits of physical activity and see the effects through class participation.

Assessment: Daily participation points, daily fitness and weight training log, skills test, written tests and teacher observation.

ALTERNATING DAY: INTRO TO BFS 9A & 9B

Grade: 9
Credits: 1 per semester
Prerequisite: None

Same course as above, but scheduled on alternating days for the entire school year. Students need to register for choir, band, or an alternating day study hall with this course.

BFS STRENGTH TRAINING 1

Grades: 10, 11, 12
Credits: 1
Prerequisite: None

This class is an extension of the Bigger Faster Stronger training program that all our athletic teams follow. This class is for the student who is interested in Power Lifting.

Students may take this class as many times as they would like; however, they may only receive 1 credit.

BFS STRENGTH TRAINING 2

Grades: 10, 11, 12
Credits: 1
Prerequisite: BFS 1

This class is an extension of the Bigger Faster Stronger training program that all our athletic teams follow. This class is for the student who is interested in Power Lifting.

Students may take this class as many times as they would like; however, they may only receive 1 credit.

TEAM & INDIVIDUAL SPORTS 1

Grades: 9, 10, 11, 12
Credits: 1
Prerequisite: Must have Physical Education Graduation Requirements Completed.

Students will learn to play and compete in many team and some individual sports. 80% of the course will be participation in the various sports and 20% devoted to fitness. This course is for those who like to participate.

TEAM & INDIVIDUAL SPORTS 2

Grades: 10, 11, 12
Credits: 1
Prerequisite: Must have Physical Education Graduation Requirements Completed.

This course is for those who like to participate and compete in sports. Competitive spirit is a must. Students will compete daily in various team and individual sports and are graded on the results of the competition. 20% of the course is devoted to fitness.

COURSE DESCRIPTIONS

MATHEMATICS

Mathematics is a discipline whose basic ingredients are numbers, shapes, and algebraic relationships. Logical reasoning is used to study the properties of these objects and to develop connections between them. The results can then be used to understand and analyze a vast array of phenomena arising in all of the sciences, in engineering, and in everyday life. For this reason, mathematics is often called the "language of science."

The Minnesota K-12 Academic Standards in Mathematics are grounded in the belief that all students can and should be mathematically proficient. All students need to learn important mathematical concepts, skills, and relationships with understanding. The standards describe a connected body of mathematical knowledge students learn through the processes of problem solving, reasoning and proof, communication, connections, and representation. The standards are grouped by strands: 1) Number and Operation; 2) Algebra; 3) Geometry and Measurement; 4) Data Analysis and Probability.

~ From the Minnesota Department of Education – available online at
http://education.state.mn.us/MDE/EdExc/StanCurri/K-12AcademicStandards/Math/index.html

Students must complete a minimum of 3 years of high school-level mathematics, including Algebra, Geometry, Statistics and Probability sufficient to satisfy the standards. Students in the graduating class of 2015 and beyond must complete an Algebra II credit or its equivalent as part of the 3-year requirement. In addition to the high school credits, students in the graduating class of 2015 and beyond must also complete a year of Algebra I by the end of eighth grade.

~ From the Minnesota Department of Education – available online at
http://education.state.mn.us/MDE/StuSuc/GradReq/index.html

The Minnesota Graduation Rule and Shakopee School Board's Graduation Requirements policy require three years' equivalent of Mathematics courses are taken by students during their high school career (6 total credits). The chart below represents the Mathematics options available to students throughout their high school careers.

STUDENT PATHWAYS THROUGH SHAKOPEE HIGH SCHOOL'S MATHEMATICS CURRICULUM

GRADE	REGULAR	PARTIAL ACCELERATION	ACCELERATED	TWICE-ACCELERATED
9	Geometry	No Partial Acceleration Option	Accelerated Algebra 2	Pre-Calculus
10	Algebra 2	Accelerated Algebra 2	Pre-Calculus	**CIS** CSE Calculus I
11	Algebra 3	Pre-Calculus	**CIS** CSE Calculus I	**AP** Calculus BC
12	Pre-Calculus	**CIS** CSE Calculus I **AP** Calculus AB	**AP** Statistics **AP** Calculus BC	**AP** Statistics

**Each of these four pathways will prepare students to meet admission requirements for two and/or four year colleges.

A more detailed and colorized diagram reflecting the Advanced Course options in Mathematics is available on the Shakopee High Potential Services website: http://shakopee.schoolwires.net/Page/493

All math classes require a notebook and a writing utensil, preferably a pencil! When a calculator is noted in the course description, the TI-83 (any model) or TI-84 (any model) are the calculators that the instructors use in their classrooms.

ALGEBRA 1A & 1B

Grade: 9, 10, 11, 12
Credit: 1 per semester
*(**Elective Credit – Does not meet high school Math credit requirement per the state of MN)*
Prerequisite: Pre-Algebra
Required Materials: scientific calculator

The course will introduce relationships of the following types: linear, quadratic, exponential, and rational. Other topics included are radicals, coordinate geometry, proportions, beginning probability and statistics. This class will prepare the student to take Algebra 2.

GEOMETRY A & B

Grades: 9, 10, 11, 12
Credit: 1 per semester
Prerequisite: Algebra 1A & 1B
Required Materials: scientific calculator, compass and protractor
NCAA Core Course

This is a two-semester sequential geometry course for students who plan to continue into other courses of mathematics and science. It may be taken by itself or at the same time as any math course after Algebra 1. The study of geometry will develop the student's ability to think logically and to realize the importance of geometry in the world around us-

ALGEBRA 2A & 2B

Grades: 9, 10, 11, 12
Credit: 1 per semester
Prerequisite: Geometry A & B
Required Materials: Graphing calculator
NCAA Core Course

This is a two-semester sequential second-year algebra course that strengthens and extends the basic skills and principles already learned in Algebra 1. The course will explore relationships and functions of the following types: linear, quadratic, exponential, polynomial and trigonometric. Other topics included are sequences and series, probability and statistics. It is designed to meet the needs of students who plan to attend a four year college.

ACCELERATED ALGEBRA 2A & 2B

Grades: 9, 10, 11, 12
Credit: 1 per semester
Prerequisite: Algebra 1A & 1B and Geometry A & B or placement by identification criteria
NCAA Core Course

Accelerated Algebra 2 is a one-year Algebra 2 course to prepare students for Pre-Calculus. Topics covered may include various functions (linear, quadratic, polynomial, exponential, logarithmic, and rational), probability and statistics, sequences and series, and trigonometry.

ALGEBRA 3A & 3B

Grades: 10, 11, 12
Credit: 1 per semester
Prerequisite: Algebra 2A & 2B
NCAA Core Course

This is a two-semester sequential third-year algebra course that completes the algebra curriculum. Topics include; probability, statistics, logarithmic and exponential functions, trigonometric functions, graphs and basic identities, rational and radical functions, as well as MCAIII and ACT review.

INTERMEDIATE PRE-CALCULUS A & B

Grade:	11, 12
Credit:	1 per semester
Prerequisite:	Algebra 3A & 3B and Geometry A & B
Required Materials:	Graphing calculator

This two-semester class is designed for students with grades of C+ or lower in Algebra 3. The topics that will be taught include logarithms, polynomial functions, radical and rational equations, conic sections, statistics and trigonometry. This is an excellent class for seniors who will be attending a 2 or 4 year college.

PRE-CALCULUS A & B

Grades:	10, 11, 12
Credit:	1 per semester
Prerequisite:	Algebra 3 OR Accelerated Algebra 2 and Geometry
Required Materials:	Graphing calculator

NCAA Core Course

This is a two-semester sequential pre-calculus course. It is designed for the student who will need a good math background for college and technical study. This class will prepare students to take college algebra, pre-calculus, or calculus courses in college. Topics covered include polynomial, rational, radical, exponential and logarithmic functions. Additional topics include circular and triangle trigonometry, conic sections, limits, series & sequences, and vectors.

CIS CSE CALCULUS I (MATH 1371)

Grades:	10, 11, 12
Credits:	**SHS**: 2 credits per semester **College**: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites:	Pre-calculus A & B
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must be a junior or senior and have earned a grade of at least a B- in a rigorous Pre-calculus course.

NCAA Core Course

This course is articulated with the University Of Minnesota Department of Mathematics. Students who successfully complete both semesters will receive four semester credits from University of Minnesota in Mathematics. This class is for the serious student who desires college credit. Topics include functions and limits, differentiation, and integration. Graphing calculators are used daily and are required for the course. A field trip may be part of this course

AP CALCULUS AB - A & B

Grades:	11, 12
Credit:	1 per semester
Prerequisite:	Pre-Calculus A & B

NCAA Core Course

This course is for the student who wants to take calculus but does not qualify for the CIS class. The class is taught concurrently with the CIS calculus class. Students will be taking all of the same tests, quizzes and do the same homework as the CIS class. Topics include functions and limits, differentiation, and integration. Graphing calculators are used daily and are required for the course.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

AP CALCULUS BC - A & B

Grades:	10, 11, 12
Credits:	**SHS**: 1 credits per semester
	College: Possible College credit with a score of 3 or better on the National AP Exam
Prerequisite:	None
College Credit:	Scores 3, 4 or 5 on the AP Examination will yield college credit
Required Materials:	TI-83+ or TI-84+ calculator

NCAA Core Course

This course will review topics in AP Calculus AB 1 and 2 such as limit theory, differentiation, applications of the derivative, integration, applications of integrals, and numerical approximations of definite integral. The course covers parametric, polar, and vector functions, their derivatives, slopes fields, Euler's method, and convergence of improper integrals and series. Emphasis will be placed on preparing for the Advanced Placement Exam. A graphing calculator is required.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

AP STATISTICS A & B

Grades:	10, 11, 12
Credits:	**SHS**: 1 credits per semester
	College: Possible College credit with a score of 3 or better on the National AP Exam
Prerequisite:	Algebra 2A and 2B
College Credit:	Scores 3, 4 or 5 on the AP Examination will yield college credit
Required Materials:	TI-83+ or TI-84+ calculator

NCAA Core Course

Statistics is the most widely applicable branch of mathematics and is used by people in more areas than any other kind of mathematics. This college-level statistics course will introduce students to concepts and tools for collecting, displaying, analyzing, and drawing conclusions from data. Computers and calculators will aid in exploring the data and displaying it, while the Internet will be utilized to discover existing sets of data and studies. Certain distributions of data will be examined and characteristics identified. Generally, successful students in this course have a track record of completing Algebra 2A & 2B with a B- or higher both semesters. The class may be taken concurrently with Pre-Calculus or AP/CIS Calculus.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

COURSE DESCRIPTIONS

MUSIC

"Music speaks when words cannot" – Hugo

Children who are fortunate enough to be exposed to weekly music lessons, choir rehearsals, creative movement, or general music classes reap many benefits. Music, for example, develops self-discipline. The child who allots time for practicing each day is known to develop similar habits in conjunction with other subjects as well. Organizational skills increase and the child learns what it takes to be "good" at something.

Ensemble experience also builds teamwork. Band members or choristers learn the importance of being a reliable member of a group and are educated as to the importance of being a team player and not necessarily always "the star." Participation in music ensembles also promotes responsibility. For example, if you're the only tenor in the middle school chorus, you need to be sure that you show up for rehearsals!

Scientists have also discovered that learning to read music or play a musical instrument develops higher thinking skills. The child who is skilled at music excels at problem solving, evaluation, and analysis. Music reading uses the same portion of the brain that's used in mathematical thinking. That's why so many adept musicians are also quite good in math.

For those who don't excel academically, however, music can serve to build self-esteem. For some children, music is their one chance to shine in the middle of a day that's filled with academic subjects that fry their brain. Singing the solo at the annual holiday concert may provide one particular child with the only kudos they receive all year long. That's why school music programs are so important.

Studies also show that "music kids" are less likely to become involved with inappropriate habits, like drinking or drug use. A child that spends his after school time in the band room with others who enjoy similar interests rarely gets entangled in destructive habits.

~ From "The Importance of Music Education" by Patricia Guth – available online at http://education.more4kids.info/23/

COURSE	GRADES	SEMESTER	PREREQUISITE
9th Grade Band	9	Full Year	Previous Band Experience
9th Grade Choir	9	Full Year	Open to All
AP Music Theory 1	11, 12	Fall	Music Experience, Instructor Approval
AP Music Theory 2	11, 12	Spring	Instructor Approval
Bel Canto Choir	11, 12	Full Year	Instructor Approval
Concert Band	9, 10, 11, 12	Full Year	Open to All
Concert Choir	11, 12	Full Year	Instructor Approval
Saber Choir	10, 11, 12	Full Year	Open to All
Symphonic Band	10, 11, 12	Full Year	Open to All
Wind Ensemble	11 12	Full Year	Instructor Approval

REGISTRATION NOTE FOR BANDS AND CHOIRS:
When registering for bands and choirs, we ask that you sign up for any band or choir. You will be placed into a specific ensemble by the music department faculty after the spring placement hearings.

9TH GRADE BAND A & B

Grades:	9
Credits:	1 per year – Fine Art
Prerequisite:	Previous band experience

This class is open to all students who have previous band experience. Band placement will be determined in the fall based on enrollment, instrumentation, ability, and program development. Band meets every other day and is scheduled as a class. Small group lessons are scheduled for each student, usually occurring on the alternate days. Occasional assignments and assessments are given to fulfill the national arts standards. Course requirements and grading procedures can be found in the the band syllabus. Bands Perform at least three concerts each year: winter concert, mid-winter concert, and the spring concert. Standard and new band literature is used for these performances.

SYMPHONIC BAND A & B

Grades:	10
Credits:	1 per semester – Fine Art
Prerequisite:	None
Activity Fee:	$40
Required Materials:	1) Must purchase shirt/sweatshirt for Pep Band performances (new members only) 2) Up to $60 rental fee for students using school-owned instruments 3) Each member must have a black dress shirt and pants or a non-casual black dress

Each band student is required to take seven private lessons each semester. Mandatory performances include scheduled band concerts each semester, large group contest, and a variety of pep bands. These major performances and events are planned well in advance so that students and families can plan accordingly. Band members have the opportunity to take one major trip and several smaller trips throughout their high school career. This trip is optional and the student/family must raise funds to finance the trip. Fund raising opportunities will be organized by the Band Boosters.

Music performed in each ensemble represents compositions in a variety of styles. All facets of the high school band program are designed to develop instrumental playing ability and foster greater appreciation and understanding of all music. Band students acquire technical skill on their instrument, achieve excellence through performance, and have fun through musical learning and group activities. There is no enrollment limit for Symphonic Band. Students can start an instrument in high school but must consult the director for further information in the spring before enrolling in band.

Students enrolling in Symphonic Band must attend summer rehearsals, which will start the 3rd week in August.

CONCERT BAND A & B

Grades:	11, 12
Credits:	1 per semester – Fine Art
Prerequisite:	None
Activity Fee:	$40
Required Materials:	1) Must purchase shirt/sweatshirt for Pep Band performances (new members only) 2) Up to $60 rental fee for students using school-owned instruments 3) Each member must have a black dress shirt and pants or a non-casual black dress

Each band student is required to take seven private lessons each semester. Mandatory performances include scheduled band concerts each semester, large group contest, and a variety of pep bands. These major performances and events are planned well in advance so that students and families can plan accordingly. Band members have the opportunity to take one major trip and several smaller trips throughout their high school career. This trip is optional and the student/family must raise funds to finance the trip. Fund raising opportunities will be organized by the Band Boosters.

Music performed in each ensemble represents compositions in a variety of styles. All facets of the high school band program are designed to develop instrumental playing ability and foster greater appreciation and understanding of all music. Band students acquire technical skill on their instrument, achieve excellence through performance, and have fun through musical learning and group activities. There is no enrollment limit for Concert Band. Students can start an instrument in high school but must consult the director for further information in the spring before enrolling in band.

Students enrolling in Concert Band must attend summer rehearsals, which will start the 3rd week in August.

WIND ENSEMBLE A & B

Grades:	11, 12
Credits:	1 per semester – Fine Art
Prerequisite:	Concert Band A & B or Symphonic Band A & B
Activity Fee:	$40
Required Materials:	1) Must purchase shirt/sweatshirt for Pep Band performances (new members only) 2) Up to $60 rental fee for students using school-owned instruments 3) Black dress shoes 4) Tuxedo shirt (men only)

Wind Ensemble is made up of primarily juniors and seniors, although advanced sophomores may have the chance audition based on instrumentation needs. Each band student is required to take seven private lessons each semester. Mandatory performances include scheduled band concerts each semester and a variety of pep band events. These major performances and events are scheduled well in advance so that students and families can plan accordingly. Band members have the opportunity to take one major trip and several smaller trips throughout their high school career. This trip is optional and the student/family must raise funds to finance the trip. Fund raising opportunities will be organized by the Band Boosters.

Music performed in each ensemble represents compositions in a variety of styles. All facets of the high school band program are designed to develop instrumental playing ability and foster greater appreciation and understanding of all music. Band students acquire technical skill on their instrument, achieve excellence through performance and have fun through musical learning and group activities. The Wind Ensemble is an auditioned group. All students must audition the previous spring to be considered for the Wind Ensemble.

Students enrolling in Wind Ensemble must attend summer rehearsals, which will start the 3rd week in August.

AP MUSIC THEORY 1 & 2

Grades:	11, 12
Credits:	**SHS**: 1 credit per semester – Fine Art **College**: Possible College credit with a score of 3 or better on the National AP Exam
Prerequisite:	None
Required Materials:	Staff paper, 3-ring binder

This course is for the serious minded music student who is interested in a challenging college-level music-theory course. All technical aspects of musical composition will be studied. They include major and minor key relationships, transposition, composition and music analysis, arranging, and computer/music technology. The textbook for this class is Tonal Harmony by Stephen Kostka. Students need to purchase the workbook that accompanies the textbook.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

9TH GRADE CHOIR A & B

Grades:	9
Credits:	1 per year – Fine Art
Prerequisite:	Open to all students

Choir is open to any student who wishes to sing. Individual voices are heard each fall for range and choir/ part placement. Eighth and ninth grade choirs may/may not be scheduled separately by gender depending on registration and conflicts. Course requirements, grading and discipline procedure can be found in the Choir Syllabus on our website. Assignments and assessments will be given in this class to insure students fulfill the National Arts Standards. Each choir performs 2 concerts per year and sings standard SATB, SSA and TB literature.

Students may also participate in Chamber Choir, which meets before/after school and is offered as co-curricular activity. Students must try out for this activity in the fall

SABER CHOIR A & B

Grades:	10, 11, 12
Credits:	1 per semester - Fine Art
Prerequisite:	Open to all students
Required Materials:	Black shoes, socks, and pants/skirt

Saber Chorale emphasizes musical and vocal development and the enjoyment of singing. Students will perform a broad range of literature from many musical style periods that include pop, Broadway theater, and classical. The Saber Chorale represents our school at MSHSL contests as well as community and school performances. Attendance at all performances is required.

Course work includes sight-reading, ear training, proper voice care, bi-monthly private lessons, and working cooperatively with others through the development of tone quality and blend.

Note: Students must participate in Saber Choir for the entire year to receive credit.

BEL CANTO CHOIR A & B

Grades:	11, 12
Credits:	1 per semester - Fine Art
Prerequisite:	Approval from instructor
Activity Fee:	$30
Required Materials:	Black shoes, socks, and pants/skirt

The Bel Canto Singers is a women's choral group selected through a non-threatening audition process. It is designed for the more experienced singer who demonstrates a high degree of self-motivation to achieve the top performance level possible. The Bel Canto Singers represent the school in state/conference contests and festivals and community/school events and concerts. Attendance at all performances is required.

Students will explore a broad range of literature from many musical style periods that include pop, Broadway theater, and classical. Course work includes sight-reading, ear training, proper voice care, bi-monthly private lessons, and working cooperatively with others through the development of tone quality and blend.

There are two audition times: 1) the previous Spring for all registered students and returning choir members; and 2) the first week of school for students who have transferred or registered late. See the instructor if you are interested in membership.

Note: Students must participate in Bel Canto for the entire year to receive credit

CONCERT CHOIR A & B

Grades:	11, 12
Credits:	1 per semester - Fine Art
Prerequisite:	Approval from instructor
Activity Fee:	$30
Required Materials:	Black shoes, socks, and pants/skirt

This mixed voice choral group is selected through a non-threatening audition process. It is designed for the more experienced singer who demonstrates a high degree of self-motivation to achieve the top performance level possible. Concert Choir represents the school on national/state tours, state/conference contests and festivals, community/school events and concerts. Attendance at all performances is required.

Students will explore a broad range of literature from all musical style periods that include pop, Broadway theater, and classical. Course work includes sight-reading, ear training, proper voice care, bi-monthly private lessons, and working cooperatively with others through the development of tone quality and blend.

There are two audition times: 1) the previous Spring for all registered students and returning choir members; and 2) the first week of school for students who have transferred or registered late. See the instructor if you are interested in membership.

Note: Students must participate in Concert Choir for the entire year to receive credit.

COURSE DESCRIPTIONS

SCIENCE

Science is the active study of the natural and man-made world, including processes, structures, designs, and systems. Science students use their senses and tools to observe, record and analyze data about the world and to make conclusions based on evidence. Scientifically literate young people can understand basic science concepts, use skills for doing scientific investigations, solve technical problems, and design technologies for today's world.

~ MDE - http://education.state.mn.us/MDE/EdExc/StanCurri/K-12AcademicStandards/Science/index.htm)

The Minnesota Graduation Rule requires 3 years of science, including a year of biology. In addition, students in the graduating class of 2015 and beyond must complete a year of chemistry, physics, or Career and Technical Education (CTE) as part of the 3-year requirement. (The CTE credit must meet the standards underlying the chemistry or physics credit.) The chart below represents the Science options available to students throughout their high school careers.

STUDENT PATHWAYS THROUGH SHAKOPEE HIGH SCHOOL'S SCIENCE CURRICULUM

GRADE	REGULAR	HONORS	ACCELERATED*
9	Physical Science	Honors Physical Science	Physics
10	Biology	Honors Biology	Honors Chemistry
11	Chemistry or Physics	Honors Chemistry or CIS Physics	**AP** Biology
12	Science Elective	*Students in the Honors track are encouraged to take an **AP/CIS** science course as a senior.*	**CIS** Human Anat. & Physiology **CIS** Intro to College Physics

**There are no Twice-Accelerated courses available in the Science curriculum.*

Full Year Science Elective
--Human Anatomy & Physiology
--CIS: Human Anat. & Physiology
--Physics
--CIS: Intro to College Physics
--AP Biology

One Semester Science Electives
--Health Care Core (HCC 1000-1070)
--Nursing Assistant (Nurs 1075)
--Microbiology & Immunology
--Ecology
--Natural History of MN

A more detailed and colorized diagram reflecting the Advanced Course options in Science is available on the Shakopee High Potential Services website: http://shakopee.schoolwires.net/Page/493

FULL YEAR COURSES

PHYSICAL SCIENCE 9A & 9B

Grades: 9
Credits: 1 per semester
Prerequisite: None

Physical Science is a standards-based course designed to introduce students to chemistry, physics, and engineering. Throughout the year students will conduct experiments, write lab reports, read science related articles, observe demonstrations, and utilize the scientific method and the engineering design process in order to solve problems.

HONORS PHYSICAL SCIENCE 9A & 9B

Grades: 9
Credits: 1 per semester
Prerequisite: Successful completion of Honors Earth Science 8A & 8B or placement made by identification criteria

In addition to the Physical Science requirements, the honors-level course expands on the concepts covered in chemistry, physics and engineering. Students signing up for this course should be self-motivated, and excel in mathematics and reading. Honors physical science students will be expanding their knowledge on the required standards by reading advanced science text, completing higher-level and more rigorous projects/labs, and writing additional formal lab reports.
The course profile includes:

- Emphasis on in-depth projects and meaningful assignments that require dedication to learning
- Incorporates activities designed to stimulate a passion in the scientific process

Requires advanced inquiry skills, including the organization of data.

BIOLOGY A & B

Grade: 10
Credits: 1 per semester - Life Science Requirement
Prerequisite: None
NCAA Core Course

Biology is a two semester (full year) class that explores the diverse world of living things. Topics covered include cell biology, genetics, classification, human body systems, microbiology and ecology. A variety of lab and group activities allow students to become accustomed to utilizing the scientific method. This is a course for average to above average students and is appropriate for college-bound students.

HONORS BIOLOGY A & B

Grades: 10
Credits: 1 per semester - Life Science Requirement
Prerequisite: Honors Physical Science 9A & 9B or placement made by identification criteria.
Required Materials: Composition notebook
NCAA Core Course

Honors Biology is a full year course, which provides a rigorous introduction to the themes and processes of modern biology. The faster pace will prepare students for more advanced science classes. This course is geared toward highly motivated students who wish to develop higher-level thinking skills and gain an understanding that will allow them to become successful in future high school and college science courses. Students will develop skills and apply biological concepts and theories including: material cycles, cell biology, genetics, classification, human body systems, microbiology and ecology. Students best suited for this class should have excelled in previous science classes, maintaining grades of B+ or better and have generally completed Geometry previously.

CHEMISTRY A & B

Grades: 11, 12
Credits: 1 per semester - Chemistry/Physics Requirement
Prerequisite: Successful completion of Biology A & B
Required Materials: Calculator
NCAA Core Course

Chemistry is the science that deals with the makeup of the "things around us," what they are composed of, and how they react with each other under certain conditions. By careful study and experimentation, students will learn the basic principles that describe matter. Chemistry is a good course for students looking to go to a two or four year college. This is a full-year course consisting of two semesters that must be taken in sequence.

HONORS CHEMISTRY A & B

Grades: 10, 11, 12
Credits: 1 per semester - Chemistry/Physics Requirement
Prerequisite: Honors Biology A & B or Physics or placement made by identification criteria
Required Materials: Calculator
NCAA Core Course

This chemistry class is offered for the most highly motivated science student interested in a faster-paced class. The academically timid should not enroll.

Chemistry is the science that deals with the makeup of the "things around us," what they are composed of, and how they react with each other under certain conditions. By careful study and experimentation, students will learn the basic principles that describe matter. Chemistry is a good course for students looking to go to a two or four year college. This is a full-year course consisting of two semesters that must be taken in sequence.

AP BIOLOGY A & B

Grades: 11, 12
Credits: 1 credit semester 1; 2 credits semester 2 (3 total credits)
Schedule: 1 period during semester 1 and 2 periods during semester 2
Prerequisite: Biology and Chemistry or Accelerated Science Track
NCAA Core Course

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. This course is recommended for students currently on an accelerated track and/or students who have been highly successful in a previous biology course. Due to the lab nature of this course, students will be asked to commit time outside of the regular school day during the second semester to complete certain coursework.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

HUMAN ANATOMY AND PHYSIOLOGY A & B

Grades: 11, 12
Credits: 1 per semester - Science Elective
Prerequisite: Successful completion of Biology A & B, successful completion or concurrent enrollment in Chemistry or Physics
NCAA Core Course

Human Anatomy and Physiology is a detailed study of the structure and function of the human body. Topics are covered using a combination of group activities, labs and computer activities. Two major dissections will be performed on comparable lab organisms to gain a further understanding of human anatomy. This is an excellent course for students considering careers in dental hygiene, medical technology, nursing, physical therapy, medicine, etc.

CIS: ESSENTIALS OF HUMAN ANATOMY AND PHYSIOLOGY (PSTL 1135)

Grades:	11, 12
Credits:	**SHS**: 2 credits - Science Elective **College**: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites:	Honors Chemistry A & B
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must be a junior or senior who earned at least a B or better in a rigorous high school chemistry course.
Fee:	Recommended field trip fee

NCAA Core Course

This course is articulated with the University of Minnesota and students successfully completing this course will earn 4 University of Minnesota semester credits. CIS Human Anatomy and Physiology is a freshman-level, introduction to Human Anatomy and Physiology. While this course will satisfy U of M requirements for "biological science with a lab," it is not a substitute for higher level (3000 level) anatomy and physiology courses required for health care careers such as nursing.

This course covers the main organ systems of the human body, placing emphasis on their relationships to normal and abnormal health. Students will learn to identify and locate many anatomical structures and understand how each works individually and in cooperation with other parts to maintain homeostasis (balance) in the body. The course will include group work, discussion, writing, lab work and out of class projects.

PHYSICS A & B / PHYSICS 9A & 9B

Grades:	9, 11, 12
Credits:	1 per semester - Chemistry/Physics Requirement
Prerequisite:	**Grades 11, 12** - C or better in Algebra 2 / **9th Grade –** placement based on identification criteria)
Required Materials:	Graphing calculator

NCAA Core Course

Physics is a full year course consisting of two semesters. The course is designed for students looking to increase their reasoning skills though the study of why our physical environment behaves as it does. Physics is a good course for students looking to go to a two or four year college. Physics is much more than equations and numbers. Labs and activities investigating real world phenomena will be a regular focus of the class. Students will be expected to use Algebra, Geometry, and critical thinking skills regularly to solve problems and analyze situations. Students taking Physics should be willing to work in groups on labs and projects and have a desire to learn by doing.

Physics 9 is designed for students who intend to major in science in college and pursue a science based career. *Students who skip Physical Science to take Physics in the 9th grade must take BOTH Chemistry and Biology to meet high school graduation requirements*. Criteria for taking Physics are significantly higher than for taking Honors Physical Science including a strong science score on the 8th grade Explore test, very strong reading scores, and teacher recommendation.
The course profile includes:

- Emphasis on in-depth projects and meaningful assignments that require dedication to learning
- Incorporates activities designed to stimulate a passion in the scientific process

Requires advanced inquiry skills, including the organization of data.

FOUNDATIONS OF PHYSICS

Grades:	11, 12
Credits:	1 per semester - Chemistry/Physics Requirement
Prerequisite:	Foundations of Biology

Foundation of Physics is a student-centered, activity-based, issues-oriented physics curriculum that encourages small group learning. This course includes a study of motion, common forces, momentum, mechanical energy, light, electricity and thermodynamics. Emphasis is placed on laboratory work and applying principles of physics to practical and common situations. This course is not recommended for 4-year college-bound students. This course will fulfill a two semester credit in the sciences. Successful completion of Foundations of Biology is required for enrollment.

CIS: INTRODUCTORY COLLEGE PHYSICS (PHYS 1101W)

Grades:	11, 12
Credits:	**SHS**: 1 credit per semester - Chemistry/Physics Requirement **College**: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites:	Algebra, Geometry, and Algebra 2
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must be a junior or senior in the top 20% of the class who earned at least a B or better in a rigorous high school Algebra 2 or Trigonometry course.
Required Materials:	Scientific calculator

NCAA Core Course

CIS Physics is a demanding course that moves at a very fast pace. Students taking CIS Physics should be self-motivated individuals who have a desire to challenge themselves. CIS Physics is a full year course that covers one semester of college level, algebra-based physics with lab. CIS Physics is a good course for students who are interested pursuing studies in science or engineering and who are good at mathematics. CIS Physics is a required course at the U of M for students with majors in fields such as architecture, pre-vet, pre-med and kinesiology, and will provide the basis for students who are required to take College Physics with Calculus. In addition, the course meets a U of M liberal education requirement in the Physical Science with Laboratory Core and as a Writing Intensive course. The course will provide you with the opportunity to learn fundamental physics principles and complex problem solving skills needed for more advanced study. CIS Physics will focus on concepts such as forces, motion, energy, electricity, and magnetism. Students successfully completing CIS Physics will receive four University of Minnesota semester credits.

SEMESTER COURSES

ECOLOGY

Grades:	11, 12
Credits:	1 credit - Science Elective
Prerequisite:	Successful completion of Biology A & B
Note:	Students taking this class must also sign up for Environmental Ethics 3740 offered by the Social Studies Department

This class is designed to attract the student who has a passion for the environment and to provide that student with a system of thought, through the application of the scientific method, service learning, ethics and classical logic, to evaluate human interaction with the environment. In a real-world approach, this course will include partnerships with the Minnesota Department of Natural Resources and Trout Unlimited. The classroom environment will include the Eagle Creek River System. The mission of this course is to assist students in developing an understanding of the direct footprint humans leave on the natural world and to explore methods for diminishing the impact of humans on the environment.

MICROBIOLOGY AND IMMUNOLOGY

Grades:	11, 12
Credits:	1 credit - Science Elective
Prerequisite:	"B-" or better in Biology.

NCAA Core Course

This one semester course focuses on the roles of microorganisms in association with disease, wellness, industry, and ecosystems. It also presents current theories in immunology. This fast-paced course is intended for the college-bound student. It is particularly beneficial for students considering health-related careers such as dentistry, medical technology, nursing, medicine, physical or occupational therapy, etc.

NATURAL HISTORY OF MINNESOTA

Grades:	11, 12
Credits:	1 credit – Science Elective
Prerequisite:	None

Whether you are interested in a career in Wildlife Management, Environmental Protection, Forestry, or simply love being outdoors learning to understand and appreciate our unique state's natural environment is essential. The course will be a hands-on introduction to the natural history of our state. Students will become familiar with identification of birds, trees, insects and other wildlife found in our region. As well as examine the geology of the state as a result of glaciers, observe and explain the effects seasonal changes, and learn about techniques for measuring plant and animal populations.

HEALTHCARE AND NURSING CAREER COURSES

HEALTH CARE CORE (HCC 1000-1070)

Credits:	**SHS**: 2 credits - Science Elective
	College: 4 semester credits from the Normandale Community College
Prerequisites:	Juniors in the top 30% of their class
	Seniors in the top 50% of their class

Students who successfully complete this course will receive 4 Normandale Community College (NCC) credits in the Health Care Core Curriculum. This course is designed for students who are seriously interested in exploring and preparing for further training and education in the health care field. This course is based on the Health Care Core Curriculum provided by the MN Department of Health. Some of the topics include: behaviors for success in health care settings, communications in health care settings, awareness and sensitivity to client needs, respecting client and staff diversity, health care safety and standard precautions, legal issues in health care, and health care ethics.

NURSING ASSISTANT (NURS 1075)

Credits:	**SHS**: 2 credits (two hour block) - Science Elective
	College: 4 semester credits from the Normandale Community College
Prerequisites:	Juniors in the top 30% of their class
	Seniors in the top 50% of their class
	A grade of B or better on the Health Care core course is required and preference is given to seniors.

Students who successfully complete this course will receive 4 Normandale Community College credits (NCC) in the Nursing Department. The course includes orientation and basic skills assessment tests. For students wishing to obtain certification, classroom/lab training and hands-on clinical training will be completed at St. Gertrude's Health and Rehabilitation Center in Shakopee. The 24-hour, outside school hours clinical experience must be completed for students to receive NCC credits and/or SHS credits. Emphasis is placed on the development of the knowledge, attitudes, and skills required of the nursing assistant. Students who complete all class hours and clinical experience will be eligible to take the state exam offered at Hennepin Technical College and upon passing, will be recognized by the state of Minnesota in its registry. Class size will be limited to 20 students with priority given to seniors who have successfully completed Health Care Core.

COURSE DESCRIPTIONS

SOCIAL STUDIES

"Know Thyself." ~ Socrates

The National Council for the Social Studies describes the purpose of social studies education is to develop civic competence and help young people make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world. Civic competence rests on this commitment to democratic values, and requires that citizens have the ability to use their knowledge about their community, nation, and world; to apply inquiry processes; and to employ skills of data collection and analysis, collaboration, decision-making, and problem-solving. Young people who are knowledgeable, skillful, and committed to democracy are necessary to sustaining and improving our democratic way of life, and participating as members of a global community.

~ From MDE *http://education.state.mn.us/MDE/EdExc/StanCurri/K-12AcademicStandards/SocialStudies/index.html*

A proper education in the Social Studies and Social Sciences helps students become responsible citizens in a culturally diverse, democratic society within an interdependent world. Through the exploration of civics, economics, geography, history, philosophy, psychology, and sociology, students learn about not only themselves and the many factors that have influenced their development but also the people, places, issues, eras, and events that shape our larger world.

The Minnesota Graduation Rule requires 3½ years of social studies, including U.S. History, Geography, Government and Citizenship, World History and Economics. Shakopee School Board's Graduation Requirements policy requires four years' equivalent of Social Studies courses are taken by students during their high school career (8 total credits). The chart below represents the Social Studies and Social Sciences options available to students throughout their high school careers.

STUDENT PATHWAYS THROUGH SHAKOPEE HIGH SCHOOL'S SOCIAL STUDIES CURRICULUM

GRADE	SEMESTER	REGULAR	ACCELERATED
9	Both Semester 1 & 2	Human Geography	**AP** Human Geography
10	Both Semester 1 & 2	Modern US History	**AP** US History
11	Both Semester 1 & 2	Modern World History	**AP** World History
12	REQUIRED Semester	U.S. Political & Economic Systems	**CIS** Microeconomics
	ELECTIVE Semester	Environmental Ethics Humanities Psychology Sociology	**CIS** American Democracy **CIS** Psychology

NOTE | There are no Twice-Accelerated courses available in the Social Studies curriculum.

A more detailed and colorized diagram reflecting the Advanced Course options in Social Studies is available on the Shakopee High Potential Services website: http://shakopee.schoolwires.net/Page/493

GRADE 9 REQUIREMENT OPTIONS

HUMAN GEOGRAPHY A & B

Grade: 9
Credits: 1 per semester - Geography Requirement
Prerequisite: None
NCAA Core Course

This yearlong human geography course investigates current problems associated with an unequal world. Each topic will encourage students to dig deep into causes and potential for solutions to several of the world's most pressing concerns. Some of the problems to be investigated include population shifts, limited and depleting resources, contribution of stateless nations to civil wars, and humans' interactions and damage to the physical environment.

ADVANCED PLACEMENT HUMAN GEOGRAPHY A & B

Grade: 9
Credits: **SHS**: 1 credit per semester – Geography Requirement
College: Possible College credit with a score of 3 or better on the National AP Exam
NCAA Core Course – Upon Approval

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

GRADE 10 REQUIREMENT OPTIONS

MODERN U.S. HISTORY A & B

Grade: 10
Credits: 1 per semester - U.S. History Requirement
Prerequisite: None
NCAA Core Course – Upon Approval

This yearlong course examines the quintessential people, ideas and events in twentieth and twenty-first century America. Fall semester will start with our country's emergence onto the global stage studying topics such as imperialism and the two world wars. Spring semester will focus on our country's most recent history with emphasis on the major movements and trends at the turn of the 21st century and beyond. Special attention will be placed on the development of cultural and critical literacy as well as connecting our country's past to our present.

ADVANCED PLACEMENT U. S. HISTORY A & B

Grade: 10
Credits: **SHS**: 1 credit per semester - U.S. History Requirement
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: None.
NCAA Core Course

AP U.S. History focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. In line with college and university U.S. history survey courses' increased focus on early and recent American history and decreased emphasis on other areas, the AP U.S. History course expands on the history of the Americas from 1491 to 1607 and from 1980 to the present.

Summer homework will be a requirement. This homework will allow students to being to become familiar with the type of reading, the course expectations and the historical thinking skills.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

GRADE 11 REQUIREMENT OPTIONS

MODERN WORLD HISTORY A & B

Grades: 11, 12
Credits: 1 per semester - World History Requirement
Prerequisite: None
NCAA Core Course – Upon Approval

This yearlong course explores the defining watershed moments and events of modern world history. Each topic will explore the roots and origins of the historical event via our skills-based approach using research, inquiry, relevance, and cultural literacy. The first semester will concentrate on the major themes of the era of Revolution and the War on Terror. The second semester will focus on the impact of Globalization and Technology in the students' lives to the larger global environment. The main focus will be to use primary sources to connect the students to a greater understanding of current topics and give clarity to their ever changing lives.

ADVANCED PLACEMENT WORLD HISTORY A & B

Grades: 11, 12
Credits: **SHS**: 1 credits per semester - World History Requirement
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: None
NCAA Core Course

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. Generally, successful students in this class demonstrate strong reading and writing skills as well as a strong work ethic to manage the workload.

Part of students' experiences in an AP course, and what makes them eligible for college credit, is preparing for and taking the AP National Exam for this course. The state of Minnesota pays for about half of the cost of the exam and students are responsible the remainder - approximately $50. Need based financial assistance is available.

GRADE 12 REQUIREMENT OPTIONS

U.S. POLITICAL & ECONOMIC SYSTEMS

Grades: 12
Credits: 1 credit - Economics, Government & Citizenship Requirement
Prerequisite: None
NCAA Core Course

This course is designed to give students an overview of U.S. political and economic systems. Students will understand basic economic concepts, analyze micro and macroeconomic principles in real life situation, understand the interactions of government and economy, and develop an active citizenship. The course will include analysis of historical development of economic and political philosophy; the interaction of global, domestic, and local economies; monetary and fiscal policy; and the organization of the federal government system.

CIS: PRINCIPLES OF MICROECONOMICS (APEC 1101)

Grade: 12
Credits: **SHS**: 2 credits - Economics, Government & Citizenship Requirement
College: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites: None
Eligibility: Must meet the University of Minnesota's course admission requirements: Must be a junior or senior (recommended) in the top 20% of the class.
Fee: Recommended field trip fee
NCAA Core Course

Students who meet the requirements of qualification for the College in the Schools program will receive four semester credits in Economics from the University of Minnesota upon successful completion of this course. The main goal and focus of this course will be the issue of scarcity (the battle between unlimited wants versus limited resources). This beginning exploration of economic issues will consider the impact and role of government on current economic issues. Students will be required to write two major papers that explores the individual role in the overall global community.

SOCIAL STUDIES ELECTIVE OPTIONS

ENVIRONMENTAL ETHICS

Grades: 11, 12
Credits: 1 credit - Elective
Prerequisite: None
Required Materials: Parent permission to drive to off-campus locations.

This class is designed to attract the student who has a passion for the environment and to provide that student with a system of thought, through the application of the scientific method, service learning, ethics and classical logic, to evaluate human interaction with the environment. In a real-world approach, this course will include partnerships with the Minnesota Department of Natural Resources and Trout Unlimited. The classroom environment will include the Eagle Creek River System. The mission of this course is to assist students in developing an understanding of the direct footprint humans leave on the natural world and to explore methods for diminishing the impact of humans on the environment.

Students taking this class must also register for Ecology offered by the Science Department.

HUMANITIES

Grades: 11, 12
Credits: **2 credits** - 1 English and 1 Social Studies—This is a two-hour block course
Prerequisite: None
NCAA Core Course

Humanities is designed to use a holistic approach to education. Humanities fosters understanding of how subjects parallel, using history, art, literature, religion, music, politics, and society to make connections between the past and the present, between the diverse world cultures and you. As a team-taught course between the Social Studies and English Departments, Humanities is intended to prepare juniors and seniors with knowledge and skills necessary to succeed in rigorous academic environments. Students will be expected to write four to five compositions, work on grammatical concepts, expand their knowledge base, think analytically, prepare presentations, and excel in class discussions. This course will be taught as a two-hour block, and each student who successfully completes the course will receive both a social studies and an English credit. Students must sign up for the English

PSYCHOLOGY

Grades: 11, 12
Credits: 1 credit - Elective
Prerequisite: None
NCAA Core Course

Psychology is "the scientific study of human behavior and mental processes." This course focuses on answering the question: "In which ways are human characteristics universal and in what ways are they unique?" Through exploration of personality, memory, learning, problem-solving, stress, the brain, and social psychology, we will see the roots of human behavior. Emphasis is placed on relating psychological theories to individual experiences and real-world examples. Active participation, group discussion, and writing are significant components of the course.

SOCIOLOGY

Grades: 11, 12
Credits: 1 credit - Elective
Prerequisite: None
NCAA Core Course

Sociology is defined "the scientific study of human relationships and group interaction." This class will include an overview of basic concepts, principles and practices of sociology. The course will survey the major areas of sociology including culture and social structure, socialization of the individual, social institutions, social inequality and social change. This course emphasizes placed on active participation in discussions, research writing, answers and individual presentations.

COLLEGE IN THE SCHOOLS (CIS) ELECTIVE OPTIONS

CIS: AMERICAN DEMOCRACY IN A CHANGING WORLD (POL 1001)

Grade: 12
Credits: **SHS**: 2 credits - Government & Citizenship Requirement
College: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites: None
Eligibility: Must meet the University of Minnesota's course admission requirements: Must be a junior or senior (recommended) in the top 20% of the class or instructor approval
Fee: Recommended field trip fee
NCAA Core Course

This course is articulated with the University of Minnesota Department of Political Science. Students who successfully complete it will receive four semester credits from the University of Minnesota in Political Science. The areas of emphasis will include principles, organization, processes, and functions of government; the interplay of political forces in the United States; and American budgetary and economic systems.

CIS: INTRODUCTION TO PSYCHOLOGY (PSY 1001)

Grades:	11, 12
Credits:	**SHS**: 2 credits - Elective **College**: 4 semester credits from the University of Minnesota/Twin Cities
Prerequisites:	Biology and/or Psychology recommended
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must be a junior or senior in the top 20% of the class or instructor approval
Fee:	Recommended field trip fee

NCAA Core Course

This course is articulated with the University of Minnesota Department of Psychology and students who successfully complete it will earn four semester credits from the University of Minnesota in Psychology. This rigorous hybrid course, intended for college-bound students, includes online lectures by U of M professors who specialize in each subfield of psychology (personality, learning, social and biological psychology, etc.). Course content will introduce students to the scientific study of human behavior and mental processes and emphasis will be placed on research methods used in psychology. Students will investigate and evaluate how research is applied to solve practical, "real-world" problems. Critical thinking and independent reading of challenging material will be emphasized throughout the course. Internet access (at home or at school) is required throughout the semester to view online lectures, complete online quizzes, and access class activities and handouts.

COURSE DESCRIPTIONS

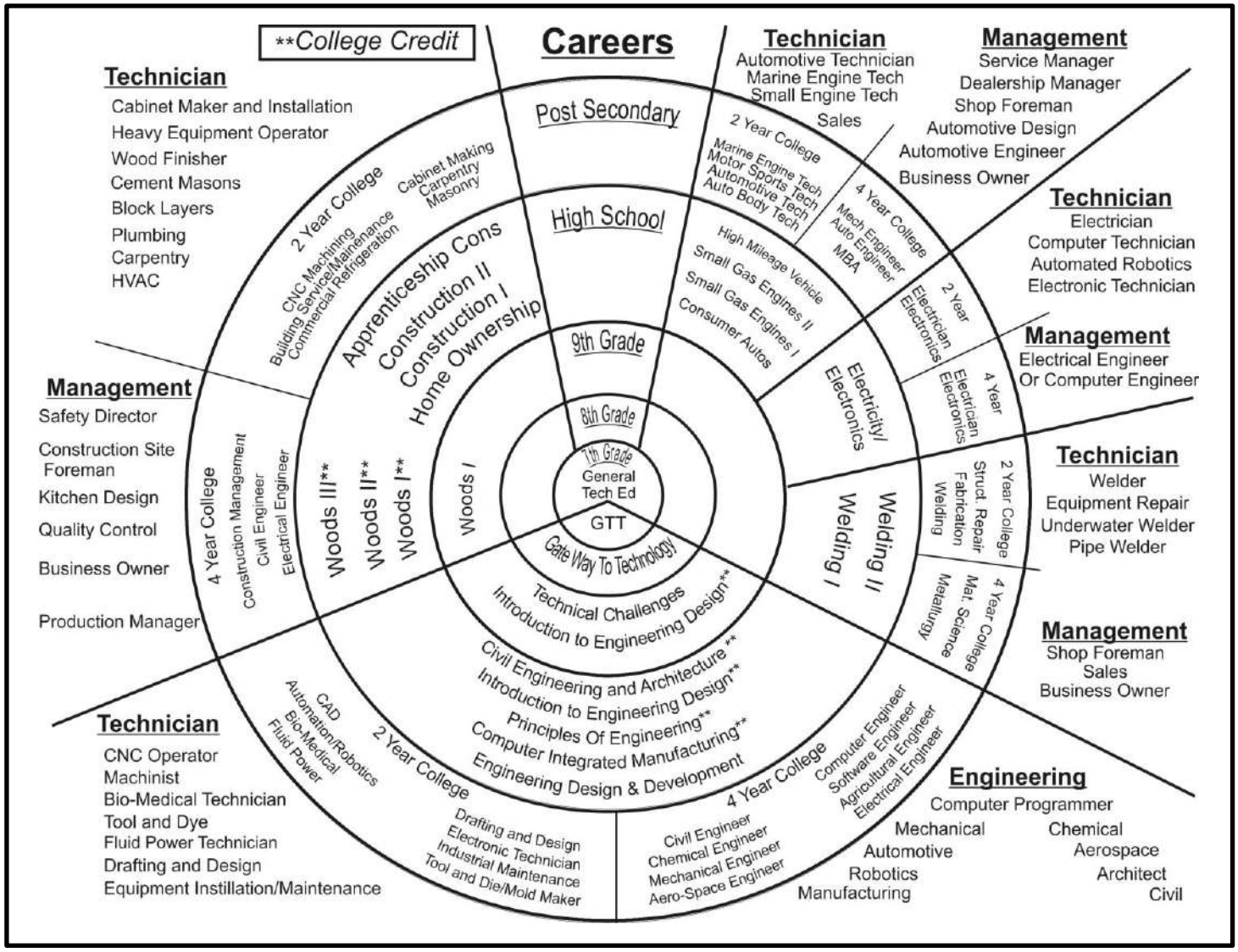
TECHNOLOGY EDUCATION

"OPPORTUNITY IS KNOCKING"

Technology Education course offerings listed below are quite extensive and allows many opportunities for students to sample technology at various levels. These courses offer the student the opportunity to pursue careers that are both personally and financially rewarding. Advanced courses have prerequisites and these should be considered when choosing course offerings. An opportunity to be considered for an apprenticeship exists in any of our subject areas but only after the student has taken the more advanced courses.

Please note that most of our courses are semester offerings except for those listed as full year below.

The map depicted below designs a path leading a student from Technology Education courses directly into specified post-secondary and career areas.



BASIC COURSES

Construction 1 (full year)
Civil Engineering and Architecture
Home Maintenance and Ownership
Consumer Auto
Electricity
Intro to Engineering Design (full year)
Principles of Engineering (full year)
Small Gas Engines 1
Trades & Industries
Welding 1
Woodworking 1

TECHNOLOGY COURSES

Computer Integrated Manufacturing (full year)
Construction 2 (full year)
Engineering Design and Development (full year)
Small Gas Engines 2
Super High Mileage Vehicles
Welding 2
Woodworking 2
Woodworking 3

TECHNICAL CHALLENGES 9

Grades:	9
Credits:	1
Prerequisite:	None
Fees:	A lab fee may be assessed to cover the cost of extra materials

Myth busters explored and explained. This course is based on problem solving challenges where the students will be challenged to use problem solving skills throughout the course. Various questions will be asked and solved about Hovercrafts, Co2 car impact tests, Monster trucks, egg drops and robotics. Students will be challenged to apply physics, simple machines and the laws of motion to not only make the projects work but to understand the working of how it works.
*This is a lab class and there are fees involved to cover the costs of materials that the student will bring home as completed projects. If the student drops the class after 3 weeks the materials fee is **NOT** refundable.*

- *Required materials: 1 3" 3 ring binder, paper, mechanical pencil*
- *Optional material: 4 GB Jump Drive*

CONSTRUCTION 1A & 1B

Grades:	10, 11, 12
Credits:	2 Each Semester (4 Total Yearly)
Prerequisite:	None
Fees:	A lab fee may be assessed to cover the cost of extra materials
Note:	**This is a 2 period class**

Students will understand how carpenters and other trades people skillfully construct, install, erect, and repair structures to comply with existing codes and craftsmanship. Students will also read blueprints and specifications pertaining to standards and materials used in construction. Students must be willing to work with a variety of hand tools, power tools and construction equipment in a variety of conditions involving weather, heights, enclosed areas and physically demanding situations. Hard hats and safety glasses, pencil and a notebook are required!

Students, both men and women, will have the opportunity to apply the techniques learned in the classroom on actual construction projects such as wall modules, storage sheds, decks and possibly a house. Local construction contractors will provide the opportunity for placement of advanced students in apprenticeship programs and jobs in a variety of related construction careers.

CONSTRUCTION 2A & 2B

Grades	11, 12
Credits:	2 per Semester (4 total per year)
Prerequisite:	Construction 1A & 1B & Instructor Approval
Fees:	A lab fee may be assessed to cover the cost of extra materials
Note:	**This is a 2 period class**

This course is designed to provide the opportunity for students to apply learning from Construction I to solving new problems in many construction areas. Students with advanced skills and using advanced techniques and materials will understand how carpenters and other trades-people skillfully construct, install, erect and repair structures to comply with existing codes and craftsmanship. Students will also read blueprints and specifications pertaining to standards and materials used in construction. As in Construction I, students must be willing to work with a variety of hand tools, power tools, and construction equipment in a variety of conditions involving weather, heights, enclosed areas and physically demanding situations. Hard hats and safety glasses are required!

Advanced students, both men and women, will have the opportunity to apply the techniques learned in the classroom on actual construction projects such as wall modules, storage sheds, decks, and possibly a house. Local construction contractors will provide opportunity for placement of advanced students in apprenticeship programs and jobs in a variety of related construction careers.

HOME MAINTENANCE AND OWNERSHIP

Grades:	10, 11, 12
Credits:	1
Prerequisites:	None

This class will offer students a unique approach to understanding home improvements, maintenance and repairs using easy-to-understand, drawings, illustrations, pictures and hands on activities. The class will also give simple check lists and problem solving skills to help solve problems quickly and inexpensively without calling a repairman or contactor! If you would like the confidence of knowing more about how a home works and what to do if something breaks down this class will help you.

CONSUMER AUTO

Grades:	10, 11, 12
Credits:	1
Prerequisites:	None
Fees:	A lab fee may be assessed to cover the cost of extra materials

Do you only know enough about your car to turn it on? Afraid to take your car in for repairs because you think might get ripped off? Improve your relationship with your vehicle and protect your investment. Learn how the car works, what commonly goes wrong, how to deal with car dealers and acquire a variety of other important skills. This class is intended for students who have had limited automotive experience.

SUPER HIGH MILEAGE VEHICLE

Grades:	10, 11, 12
Credits:	1
Prerequisites:	IED, Welding, Small Gas Engines 1, or Consumer Auto (only need 1 prerequisite)
Lab Fee:	A lab fee may be assessed to cover the cost of extra materials

Would you like to design, build, test, and race a single person vehicle? In this course students will work in teams to produce a vehicle with the highest gas mileage possible. Our class will then use these vehicles to compete with other schools throughout the state and the nation. If you are interested in engineering and the automotive field, or perhaps just the feeling of freedom, the open road, and the wind blowing through your hair, this class is for you!

ELECTRICITY

Grades: 10, 11, 12
Credits: 1
Prerequisite: None
Fees: A lab fee may be assessed to cover the cost of extra materials

Electricity is a class full of high energy where you will apply what you have learned through hands on projects. You gamble with death every time you step into this class. Learn how not to get yourself electrocuted when wiring a house, building an electric motor, and testing a multi-meter you build. If you find yourself taking apart electronics and trying to figure out how they work, electricity is the class for you!

SMALL GAS ENGINES 1

Grades: 10, 11, 12
Credits: 1
Fees: A lab fee may be assessed to cover the cost of extra materials

Have you ever wondered how an engine works? Small Gas Engines is a great way to find out! In this class you will learn about the principles of small gas engines, the tools that are used to work on them, and how to disassemble and reassemble a working engine. A Briggs and Stratton engine will be provided for you. This class is required for admission into Small Gas Engines 2 or High Mileage Vehicle.

SMALL GAS ENGINES 2

Grades: 10, 11, 12
Credits: 1
Prerequisite: Small Gas Engines 1 and Instructor Approval

Recreation translates into dollars in today's society. Be an educated consumer in the purchase, maintenance, and resale of ATV's, boats, trailers, snowmobiles, motorcycles, outboard motors and bicycles.

WELDING 1

Grades: 10, 11, 12
Credits: 1
Prerequisite: None
Fees: A lab fee may be assessed to cover the cost of extra materials

If you would like to learn a new skill and have fun while doing so Welding 1 is the course for you. Students will be introduced to OAW (Oxy-acetylene welding) and SMAW (Shielded metal arc welding). This course combines hands-on experience with classroom theory. Students will be challenged with several fun and creative projects like "Crazy Critters" and "Garden Guards." Welding 1 is required for admission into Welding 2.

WELDING 2 - DESIGN AND FABRICATION

Grades: 10, 11, 12
Credits: 1
Prerequisite: Welding 1 and Instructor Approval
Fees: A lab fee may be assessed to cover the cost of extra materials

Did you like welding 1? Welding 2 is an advanced course where students will expand upon the skills and concepts acquired in Welding 1; and explore other areas of metalworking such as casting, forging, and machining. In this course students will be asked to design and manufacture a project of their choice.

WOODWORKING 1

Grades:	9, 10, 11, 12
Credits:	1 credit - Fine Art
Prerequisite:	None
Fees:	A lab fee may be assessed to cover the cost of extra materials
Required Materials:	Wood, tape measure

Woodworking 1 qualifies as a fine arts credit! This course is an introduction to the art of woodworking. Students taking this class will acquire the basic knowledge needed to design and build a piece of furniture or cabinetry. The course combines hands-on experience using a variety of hand and power tools, with classroom theory. Students in this class will be exposed to the CNC router while building a piece of furniture for their own room or home. Students will also use the lathe and a laser engraver to turn and engrave a goblet of their own design. This course is required for admission to Woodworking 2.

WOODWORKING 2

Grades:	10, 11, 12
Credits:	1 credit - Fine Art
Prerequisite:	Woodworking 1 and Instructor Approval
Fees:	A lab fee may be assessed to cover the cost of extra materials
Required Materials:	Wood, tape measure

You have successfully complete Woodworking 1. Now is the time to use those skills to design and manufacture your own piece of furniture. Woodworking 2 is an advanced course where students will expand upon the skills and concepts acquired in Woodworking 1, while exploring other facets of woodworking such as laminating, faceplate turning and advanced joinery. In this course students will be asked to design and manufacture a project of their choice.

WOODWORKING 3

Grades:	10, 11, 12
Credits:	1 credit - Fine Art
Prerequisite:	Woodworking I & II and Instructor Approval
Fees:	A lab fee may be assessed to cover the cost of extra materials
Required Materials:	tape measure

Students can only register with Instructor approval. This is a VERY advanced course in the art of Woodworking and cabinetmaking. In this course students will learn cabinetmaking skills along with the use of CNC equipment, which uses computers to control a router. This class is one that will challenge your skills!

PROJECT LEAD THE WAY COURSES

Project Lead The Way (PLTW) is the leading provider of rigorous and innovative Science, Technology, Engineering, and Mathematics (STEM) education curricular programs used in elementary, middle, and high schools across the U.S. The PLTW curriculum is founded in the fundamental problem-solving and critical-thinking skills taught in traditional career and technical education (CTE), but at the same time integrates national academic and technical learning standards and STEM principles

INTRO TO ENGINEERING DESIGN (IED) A & B / INTRO TO ENGINEERING DESIGN (IED) 9A & 9B

Grades:	9, 10, 11, 12
Credits:	**SHS**: 1 per semester (2 total yearly)
	College: Possible to earn 3 credits towards and engineering degree at over 70 colleges
Prerequisite:	None
Fees:	A lab fee may be assessed to cover the cost of extra materials
Required Materials:	Jump drive (more than 520mb)

Introduction to Engineering Design (IED) A & B is the starting point for students who are interested in becoming an engineer. See if you have what it takes to create the next great invention. In this class you will learn how to efficiently design solutions to problems, create the solution on the computer and compete against other groups to see whose solution is the best. If you are looking at getting ahead start on an engineering degree this class is a great opportunity, not only do you learn valuable skills you can also receive 3 credits to the University of Minnesota.

Introduction to Engineering Design (IED) 9A & 9B is a full year college level course giving students an overview of drafting principles and techniques used in industry today. Using AutoCAD, Inventor and other industry software, students will complete various mechanical drawings as well as three-dimensional objects. This course teaches problem solving skills using a design development process. Models of production solutions are created, analyzed, and communicated using a solid modeling three dimensional computer design software. If you are interested in becoming an engineer, this is a great opportunity.

If students pass the course at 85% for the year and the college final at 70% they are eligible for 3 college credits.

*This is a lab class and there are fees involved to cover the costs of materials that the student will bring home as completed projects. If the student drops the class after 3 weeks the materials fee is **NOT** refundable.*

- *Required materials: 1 3" 3 ring binder, paper, mechanical pencil*
- *Optional material: 4 GB Jump Drive*

PRINCIPLES OF ENGINEERING (POE) A & B

Grades:	10, 11, 12
Credits:	**SHS**: 1 per semester (2 total yearly)
	College: Possible to earn 3 credits towards and engineering degree at over 70 colleges
Prerequisite:	Introduction to Engineering Design recommended
Fees:	A lab fee may be assessed to cover the cost of extra materials
Required Materials:	Jump drive (more than 520mb)

Principles of Engineering (POE) is a course designed to take you further into the world of engineering by challenging your mind and building skills. Although not required, it is recommended that Introduction to Engineering (IED) is taken prior to this class, it will help a lot in understanding functions of Autodesk Inventor and the many types of engineering terms and design process. Engineering is NOT boring; in this class we will be using CNC machines and Fischer Techniques kits (Lego's on steroids). We will also learn how to program machines, build gliders, and build catapults, as well as complete many other projects. This is yet another PLTW course that allows you to earn 3 credits from the University of Minnesota.

COMPUTER INTEGRATED MANUFACTURING (CIM) A & B

Grades:	10, 11, 12
Credits:	**SHS**: 1 per semester (2 total yearly)
	College: Possible to earn 3 credits towards and engineering degree at over 70 colleges
Prerequisite:	Introduction to Engineering Design
Fees:	A lab fee may be assessed to cover the cost of extra materials
Required Materials:	Jump drive (more than 520mb)

Computer Integrated Manufacturing (CIM), prepare yourself to take your engineering and Inventor skills to the next level. CIM builds off the Introduction To Engineering course and shows students how to build the models they have designed on the computer using cutting edge technology such as laser engravers and CNC equipment. In this course you will learn four major skills: how to build models virtually in Autodesk Inventor, how to machine models designed on the computer, how to program a robotic arm and how to imitate a manufacturing plant using VEX Robotics (Lego's on steroids). This is yet another PLTW course that allows you to earn 3 credits from the University of Minnesota.

ENGINEERING DESIGN AND DEVELOPMENT (EDD) A & B

Grades:	11, 12
Credits:	**SHS**: 1 per semester (2 total yearly)
	College: Possible to earn 3 credits towards and engineering degree at over 70 colleges
Prerequisite:	Need to have taken a minimum of two other PLTW courses
Required Materials:	Jump drive (more than 520mb)
Fees:	A lab fee may be assessed to cover the cost of extra materials

"Don't you hate it when…" is a common statement made by people who are constantly thinking of ways to improve products or situations. Engineering Design and Development (EDD) is the course that allows you to design a solution to a technical problem of your choosing. Now is your chance to eliminate one of the "Don't you hate it when…" statements of the world.

This course is an engineering course in which you will work in teams to research, design, and construct a solution to an open-ended engineering problem. You and your team will present and defend your solution to a panel of outside reviewers at the end of the school year.

Engineering Design and Development serves as the capstone course within the Project Lead The Way course sequence and allows you to apply all the skills and knowledge learned in the previous Project Lead the Way courses that you have taken, a minimum of two, during your high school career. Inventor, which is a state of the art 3-D design software package from AutoDesk, will help you design solutions to the problem you and your team have chosen. This course will also test your time management and team-working skills, which are a valuable asset to you in the future.

CIVIL ENGINEERING AND ARCHITECTURE (CEA) A & B

Grades:	10, 11, 12
Credits:	**SHS**: 1 per semester (2 total yearly)
	College: Possible to earn 3 credits towards and engineering degree at over 70 colleges
Prerequisite:	None
Fees:	A lab fee may be assessed to cover the cost of extra materials
Required Materials:	Jump drive (more than 520mb)

Civil Engineering and Architecture is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. This PLTW course allows you to earn 3 credits from the University of Minnesota.

COURSE DESCRIPTIONS

WORLD LANGUAGES

Why study a world language? More and more in today's world, knowledge of a second language is considered essential; with the world becoming "smaller," many businesses are seeking employees who are able to speak other languages. World language courses at the High school level provide excellent opportunities not only to increase communicative skills but also to get an extensive look at life outside our borders, an introduction to other cultures, and exposure to different perspectives and priorities. World language study increases English vocabulary and improves a student's total reading ability; ACT and SAT verbal test scores are also higher for those students studying a world language. A student with three or four years of high school language experience will acquire the fundamental skills necessary to communicate in that language and gain a more global view of the world and greater understanding for people of all kinds.

Many liberal arts colleges recommend two to three years of a high school world language for entrance or college graduation requirements. Because college language courses are faster paced and more writing oriented, one semester of a world language at the college level is generally equated with one to two years of a high school language course, depending on the effort of the high school student. Before or upon entering college, the student will take a language placement test, which determines how many semesters of the language s/he must still complete before graduating from college. By fulfilling this requirement in high school, the student can save time and money later.

The German exchange program with Höhr-Grenzhausen, Germany and the trip to Spanish speaking countries are excellent opportunities for our language students to pursue their world language study programs. A variety of field trip opportunities throughout the year is also offered: plays, restaurants, dances, etc.

GERMAN

Willkommen! German is spoken by 120 million people in Europe and is the most widely spoken second language in Minnesota. Germany is the third largest economy in the world (after the US and Japan), and its influential role in the European Community makes it an invaluable link between the West and the emerging economies of the former East Bloc. German is the language of choice for students considering careers in science, engineering, medicine, psychology, philosophy, politics, history, music and business. Thousands of corporations in the US and in German-speaking countries hire applicants with knowledge of German.

ACHTUNG GERMAN STUDENTS!
Following a pattern of 2 years on, 1 year off, about 20 students will have the opportunity to take part in our German exchange program. Students will host a German student for approx. three weeks, and then travel to Germany with their teacher, stay with host families, do a lot of sightseeing, and learn first-hand about European culture and way of life. Students who have completed Level 2 may be involved in this exchange program.

GERMAN 1A & 1B

Grades:	9, 10, 11, 12
Credits:	1 per semester
Prerequisite:	None

NCAA Core Course

This course introduces students to the German language, its structure, pronunciation, and the cultures of Germany, Switzerland, and Austria. We will learn lots of new words and phrases and carry on simple conversations talking about ourselves and our world: family, friends, school, hobbies and activities. The emphasis of German 1 is gaining basic speaking and listening comprehension skills, but we will also read and write short dialogs, create skits, and complete other hands-on projects using our new language skills. German will be spoken whenever possible. This class requires a high degree of motivation and memory skills, along with good study habits. Good English grammar skills are a plus. German I is a demanding course and will prepare the student to take German II. This is an excellent course for the college bound student.

GERMAN 2A & 2B

Grades: 9, 10, 11, 12
Credits: 1 per semester
Prerequisite: German 1 (C or better in German 1 is recommended)
Fee: A fee may be assessed for consumable supplies
NCAA Core Course

This course continues the development of the student's conversational skills in German. We will improve our communicative abilities by learning all the basic "building blocks" of grammar, and increase our vocabulary through reading, listening and writing. We will also learn more about the geography and culture of the German-speaking world, and learn how to express our own ideas, feelings and reactions. Dialogs, skits, videos and hands-on projects continue to be a major focus.

For students looking ahead to college, the MINIMUM ENTRANCE REQUIREMENT is usually two years of the same language. If your post-secondary institution conducts placement testing or has an EXIT REQUIREMENT for graduation, the usual recommendation is a minimum of THREE years of high school language.

GERMAN 3A & 3B

Grades: 10, 11, 12
Credits: 1 per semester
Prerequisite: German 2 (C or better in German 2 is recommended)
Fee: A fee may be assessed for consumable supplies
Required materials: German/English dictionary
NCAA Core Course

German 3 is the course where it all "comes together." Students will learn new ways to combine the basic "building blocks" of grammar that they've already learned, which will enable them to build toward creative self-expression. We will further expand our speaking, listening, reading and writing skills through role-playing, cooking, fairy tales, poetry, videos, short fiction readings, and current topics of interest for German youth. By the end of German 3, we will have developed our language skills to the extent that we will be able to travel as tourists through German-speaking countries!

GERMAN 4A & 4B

Grades: 11, 12
Credits: 1 per semester
Prerequisite: German 3 (C or better in German 3 is recommended)
Fee: A fee may be assessed for consumable supplies
Required materials: German/English dictionary
NCAA Core Course

Wollt ihr einmal in Deutschland wohnen? In diesem Kurs lernen wir viel über die deutsche Kulturgeschichte, wir verbessern unser Deutsch, und wir sehen das moderne Leben in Deutschland durch die Augen eines neuen Charakters .

Students will learn to apply advanced grammar and develop the ability to "fine-tune" their self-expression in German to the point that they could live or study in Germany. We will also take a closer look at Germany's rich cultural history: art, literature, music, politics, and everyday lifestyles from the early beginnings of civilization to the present day, including current events on the Internet.

JAPANESE

Japanese is spoken by one of our country's major trading partners. Instructors are either native speakers or have many years experience as translators or interpreters.

JAPANESE 1A & 1B

Grades: 10, 11, 12
Credits: 1 per semester
Prerequisite: None
NCAA Core Course

The first year Japanese course includes the four basic skills of speaking, listening, writing, and reading. It focuses on modern colloquial Japanese, but some commonly used formal expressions used only in written Japanese are also included. This course leads students to identify the differences and similarities between English and Japanese so that they can communicate appropriately with Japanese through the four skills mentioned above. This course also helps students to understand different ways of thinking and behaviors from their own. Such experience will help them to become international or open-minded to different peoples and cultures, in their perspective.

JAPANESE 2A & 2B

Grades: 10, 11, 12
Credits: 1 per semester
Prerequisite: Japanese 1
NCAA Core Course

The second year Japanese course is the continuation of Japanese I with new and useful words and expressions (which are often more complicated structures than the ones introduced in Japanese I), used in daily life in Japan. This course also includes the four basic skills of speaking, listening, writing, and reading. As in Japanese I, the course focuses on modern colloquial Japanese, but some commonly used formal expressions used only in written Japanese are also included. This course also helps students to understand broader cultural aspects of Japan through various readings in English.

JAPANESE 3A & 3B

Grades: 10, 11, 12
Credits: 1 per semester
Prerequisite: Japanese 2
NCAA Core Course

The third year Japanese is the continuation of Japanese II with higher level structures than the ones introduced in Japanese II, including honorific, humble and informal expressions, and also with some materials in Japanese literature. This course includes the four basic skills - speaking, listening, writing, and reading. This course also helps students to understand broader cultural aspects of Japan through various readings in English.

SPANISH

¡Bienvenidos! Approximately 500,000,000 people in the world speak Spanish. Twenty-five countries in the world speak Spanish either as an official language or as a primary language. Spanish is also widely spoken in the United States. The U.S. is the third largest Spanish-speaking country in the world.

SPANISH 1A & 1B

Grades: 9, 10, 11, 12
Credits: 1 per semester
Prerequisite: None
NCAA Core Course

Spanish I focuses on the four basic skills: listening, speaking, reading, and writing. Students will be immediately involved in vocabulary and expressions that can be used in everyday conversation. In addition to the text, students watch movies, listen to Spanish music, and play language games that will add to the learning experience. Geography and relevant aspects of Hispanic culture are introduced. This class requires a high degree of motivation, memorization skills, and good study habits. This is an excellent course for the college bound student.

SPANISH 2A & 2B

Grades: 9, 10, 11, 12
Credits: 1 per semester
Prerequisite: Spanish 1 (C or better in Spanish 1 is recommended)
NCAA Core Course

Spanish II enables the student to progress in the conversational skills acquired in Spanish I through learning more grammar and increasing their vocabulary. In addition to the text, students watch movies, listen to Spanish music, and play language games that will add to the learning experience. Geography and relevant aspects of Hispanic culture are further explored.

For students looking ahead to college, the MINIMUM ENTRANCE REQUIREMENT is usually two years of the same language. If your post-secondary institution conducts placement testing or has an EXIT REQUIREMENT for graduation, the usual recommendation is a minimum of THREE years of high school language.

SPANISH 3A & 3B

Grades: 10, 11, 12
Credits: 1 per semester (C or better in Spanish 2 is recommended)
Prerequisite: Spanish 2
NCAA Core Course

Spanish III curriculum is a faster-paced expansion of the four skills acquired in Spanish I and II. Communication is heavily stressed; students will be expected to learn new verb tenses, more vocabulary, the focus will be to develop more fluency in self-expression and comprehension. We will study Hispanic culture and geography to point out cultural differences, possible cultural misunderstandings, stereotypes, and the importance of language in our multicultural society. 90% of the class is conducted in Spanish.

SPANISH 4A & 4B

Grades: 10, 11, 12
Credits: 1 per semester (C or better in Spanish 3 is recommended)
Prerequisite: Spanish 3
Required materials: Spanish/English Dictionary
NCAA Core Course

This course is intended for those students who are interested in continuing the development of their proficiency skills in Spanish. All four language skills (reading, writing, listening, and speaking) will be emphasized in greater depth. Activities to improve these skills will include: studying Hispanic literature, history, cultural and social issues.

CIS 1003 INTERMEDIATE SPANISH

Grades	10, 11, 12
Credits:	**SHS**: 1 credit per semester **College**: 5 semester credits for the year from the U-MN
Prerequisites:	Multiple years of high school Spanish
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must be a junior or senior ranked in the top 30% of the class.
Required materials:	At least 40,000-word Spanish/English dictionary

NCAA Core Course

This College In the Schools course is designed and articulated with the University of Minnesota. Students who successfully complete this course will receive five U of MN credits. The course is intended for students who are looking for additional challenges in the fourth year of Spanish. Emphasis is on proficiency in reading, writing, speaking, and listening based on the intermediate level of the national standards. Students will utilize their Spanish skills through the study of history, art, culture, and literature of Spanish-speaking countries.

CIS 1004 INTERMEDIATE SPANISH

Grades:	10, 11, 12
Credits:	**SHS**: 1 credit per semester **College**: 5 semester credits for the year from the U-MN
Prerequisites:	CIS Intermediate Spanish 1003
Eligibility:	Must meet the University of Minnesota's course admission requirements: Must be a junior or senior ranked in the top 30% of the class.
Required materials:	At least 40,000-word Spanish/English dictionary

NCAA Core Course

This College In the Schools course is designed and articulated with the University of Minnesota. Students who successfully complete this course will receive five U of MN credits. The course is intended for students who have successfully completed C.I.S. 1003 and are looking for additional challenges in the fifth year of Spanish. Emphasis is on proficiency in reading, writing, speaking, and listening based on the intermediate level of the national standards. Students will utilize their Spanish skills through the study of history, art, culture, and literature of Spanish-speaking countries.
Required materials: folder, notebook to be used only for Spanish CIS, and a pen/pencil

SPANISH FOR NATIVE SPEAKERS 9A & 9B

Grades:	9
Credits:	1 per semester
Prerequisite:	This class is for students whose primary language is Spanish.

NCAA Core Course

Este curso, diseñado por el estudiante que habla español con fluidez, y quieren aprender o mejorar sus habilidades lecturas. La clase será impartida estrictamente en español. El énfasis será puesto en el mejoramiento de las destrezas en la lectura, la redacción, y la gramática, y presentará literatura más compleja. El objetivo es el de apoyar al estudiante en sus estudios lingüísticos, y proveerle con las habilidades académicas necesarias para manejar el lenguaje más sofisticadamente en el discurso escrito y oral. La clase también incluirá estudio de la cultura hispana, con análisis de las fuerzas históricas que han desarrollado la cultura hispana y las implicaciones en la cultura de hoy.

ADVANCED SPANISH READING AND WRITING A & B

Grades: 10, 11, 12
Credits: 1 per semester
Prerequisite: Native Spanish language skills, or instructor's approval

This class is intended for students who wish to improve their Spanish reading and writing skills through the interpretation of authentic Spanish literature. The class will be taught exclusively in Spanish; modifications will be made for students with non-native Spanish skills. In this class students will read authentic literature and use it as the springboard for learning language, building communication skills, developing literary analysis and critical thinking skills, and connecting students with their rich and diverse cultural heritage.

CURSO AVANZADO DE LITERATURA Y COMPOSICIÓN DE ESPAÑOL A & B

Grades: 10, 11, 12
Credits: 1 per semester
Prerrequisito: Tener habilidades nativos en español, o tener permiso del/de la maestro(a).

Esta clase está diseñada para estudiantes que desean mejorar la lectura y la composición en español leyendo e interpretando obras de la literatura auténtica de España y los países Hispano-americanos. Los estudiantes tendrán que interpretar literatura escribiéndola. Esta clase será enseñada totalmente en español; se harán modificaciones para estudiantes de español cuyo primer idioma no es español. En esta clase los estudiantes leerán literatura auténtica y usarán estas lecturas para aprender su idioma mejor, así como para desarrollar sus habilidades de comunicación, desarrollar sus habilidades en el análisis literario y el pensamiento crítico, y conectar a los estudiantes con su diverso patrimonio cultural.

SPECIAL PERMISSION COURSES

Each of these courses requires special permission for enrollment. Teachers, Counselors, or Case Managers will assign students to the appropriate courses as needed.

ENGLISH LANGUAGE ARTS

BASIC ENGLISH

Grades: 11, 12
Credits: 1

Basic English is designed for students in grades 11 and 12 who are experiencing difficulties in school, due, in part, to reading difficulties. Class work includes: reading novels and short stories, vocabulary, writing, grammar, punctuation, reading strategies, and reading comprehension.

COMPREHENSION SKILLS

Grade: 10
Credits: 1

Comprehension Skills is designed for students who have difficulties with reading. Class work focuses on the development of reading strategies through reading short stories, novels, and articles. Vocabulary, spelling, and writing improvement are part of the curriculum.

ENGLISH LEARNERS (EL)

These courses are designed exclusively for English Language Learners -
Students who speak English as a second language / not their primary language

The EL program is designed for students with a home language that is something other than (or in addition to) English. Students in the EL program learn English through listening, speaking, reading, and writing for social and academic purposes. Students move through EL levels as determined by their rate of language development and language proficiency scores. The amount and type of EL service is determined by EL level, ranging from self-contained English Language classes (listed below) to language services provided in co-taught content areas.

EL 100 – LEVEL 1

Grades: 9, 10, 11, 12
Credits 2 elective – 2 hours per day
Prerequisite: Instructor approval required
Required Materials: None

Listening, reading, speaking, writing, vocabulary, and grammar components

These courses are for students who are new to the country and have beginning formal English language experiences. Students will learn academic vocabulary and grammar, read texts, write sentences, and engage in conversations at a beginning English language development level.

EL 200 – LEVEL 2

Grades:	9, 10, 11, 12
Credits:	1 English, 1 elective – 2 hours per day
Prerequisite:	Instructor approval required
Required Materials:	None

Listening, reading, speaking, writing, vocabulary, and grammar components

These courses are for students who have completed EL 100 or score a proficiency level 2 on a language assessment. The courses will expand the student's knowledge of basic listening, reading, speaking, and writing skills. The focus of the courses will be on having sustained conversations, using reading and writing strategies, learning grammar, and appreciating literature. The courses will cover the standards for English 9.

EL 300 – LEVEL 3

Grades:	9, 10, 11, 12
Credits:	1 elective
Prerequisite:	Instructor approval required
Required Materials:	None

Listening, reading, speaking, writing, vocabulary, and grammar components

This course will be taken along with English 9 or English 10. The course will focus on academic language and literacy. Students will learn research and essay writing, literature and textbook reading and comprehension, and essential vocabulary. Course objectives will be accomplished through various genres and media.

MATHEMATICS

TECH MATH

Grades:	11, 12
Credit:	1 per semester
Prerequisite:	Teacher placement based on prior performance in math coursework and MAP scores
Graduation Requirement:	Math

This two-semester course is designed to prepare students for technical school placement exams and for MCA review/ remediation. The course uses computer-led instruction and individual instruction to guide students as they learn new concepts and practice various concepts. Students are expected to work independently throughout the course. Topics covered include: Pre-Algebra, Algebra 1, Geometry and Algebra 2.

SPECIAL EDUCATION

Shakopee High offers classes for students identified as learning disabled, having emotional and/or behavioral problems, mild to severe mental impairment, language impaired and other health impairments. Various testing criteria must be met to qualify for these programs. All students in any of these classes have gone through the SST process and are currently on an active IEP.

The Special Education Department offers a variety of classes designed to meet the individualized needs (reading, writing, math, communication/behavior, as well as life and work skills development) of students receiving services through their Individual Education Plans (IEP). Students will be registered for these classes based on the documented services in their IEPs by their IEP case managers.

SOUTHWEST METRO EDUCATIONAL COOPERATIVE

Introduction
The Southwest Metro Educational Cooperative will offer the following courses during the 2014-2015 school year. Each course at the center gives you job training which may be used to get a job after graduation or to help you decide what career you should study after high school graduation. The courses also provide for application of skills learned in other high school classes.

Time Schedule
All classes offered at the center will be one hundred minutes in length and will offer two credits per semester toward graduation.

Post-Secondary Accreditation
Students may be eligible to receive post-secondary credits for Career and Technical course work they complete at Southwest Metro Educational Cooperative. Students must have enrolled in one of the following SWMEC career and technical courses and maintain a B or better: Students can receive post-secondary credit at various two- or four-year colleges.

Transportation
Students are required to use transportation provided by Shakopee High School to the Southwest Metro Cooperative Center. Students who drive risk losing the opportunity to attend courses and will be placed in 2 study halls for the semester.

AGRICULTURAL SCIENCES PROGRAM

Agricultural Education courses teach skills that can be applied to a career immediately after high school or it is an excellent springboard for a college education. Agricultural course cover basic biology and chemistry in an applied curriculum, to allow students the opportunity to understand the concepts. Agricultural occupations are an ongoing topic in each course.

AGRICULTURAL SCIENCE – YEAR 1 A & B

Grades: 11, 12
Credits: **SHS:** 2 per semester
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Available in 2016 - 2017
Prerequisite: None

There are four course options for year 1 of this program. The students and professor of the course will decide together which two of these four options will be the focus of the program for year 1:

FARM BUSINESS MANAGEMENT — This course covers the principles of managing a farm business. Students will be introduced to basic posting and record keeping concepts. Financial planning and analysis will be investigated, helping the student identify profitable and unprofitable businesses and practices. Marketing, investments, taxes and Ag law may also be introduced depending on the time frame and interests of the class.

PLANT AND SOIL SCIENCE — This course covers the principles of plant science. The course includes taxonomy, anatomy, fertility and selection of plants for different purposes. Plants will be studied as they relate to crop production, horticultural and landscaping uses. Soils and soil fertility will also be a key component of the course.

NATURAL RESOURCES AND WILDLIFE — This course covers information related to management of our natural resources and wildlife. Identification and stewardship of local natural resources will be emphasized. A major portion of the course is the investigation of energy sources and production. The wildlife portion of the course will emphasize Minnesota wildlife and will meet the requirements for the MN Advanced Hunter Education program.

FOOD SCIENCE AND SAFETY — This course explains how water, carbohydrates, lipids, proteins, vitamins, and minerals react in foods; biochemical and functional properties, enzymes, food additives (emulsifiers, pigments, colors, flavors, preservatives, and sweeteners) and texture as related to properties in food systems and during processing. Students will also be introduced to food science through product development.

AGRICULTURAL SCIENCE – YEAR 2 A & B

Grades: 11, 12
Credits: **SHS:** 2 per semester
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Available in 2015 - 2016
Prerequisite: None

There are three course options for year 2 of this program. The students and professor of the course will decide together which two of these three options will be the focus of the program for year 2:

EXPLORING AGRICULTURAL SCIENCE — This course introduces students to the components of the Agricultural Science program. The history, membership and events available through the FFA program will be discussed. Students will investigate the basics of running effective meetings through parliamentary procedure and will practice the process. Leadership is a key component of the FFA program and other student organizations and students will discover the tenets of successful leadership. The balance of the semester, will overview different aspects of the industry of agriculture and its contribution to the global society.

ANIMAL SCIENCE — This course covers the production of animals for food. Agricultural animal production, is the focus of this class. The course includes taxonomy, anatomy, feeding and nutrition, reproduction and uses of production animals. Animals and animal products are discussed, including milk, eggs, wool and meat.

VETERINARY TECHNICIAN — This course covers companion animals (pets). The course includes taxonomy, anatomy, feeding and nutrition and reproduction. Basic biological principles will be discussed as they relate to the topic areas. Identification of common breeds and their sources for standards will be investigated. Proper clinical skills will be practiced.

SOUTHWEST METRO FUTURE FARMERS OF AMERICA (FFA) *— All students enrolled in an agricultural course have the opportunity for membership in the National FFA Organization. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.*

AUTOMOTIVE SERVICES PROGRAM

AUTOMOTIVE TECHNOLOGY A & B

Grades: 11, 12
Credits: **SHS:** 2 per semester
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Fees: $20 per semester

The automotive technology program teaches students the necessary skills and knowledge to work on today's vehicles. This course is designed to prepare students for an automotive future either as an automotive technician or as an automotive consumer. Students will spend 60 percent of their time working with industry standard equipment in the lab. Our curriculum meets NATEF standards and also helps reinforce core subjects through hands-on projects. This two-year program is divided into four independent semesters to allow students to take individual semesters if they are unable to attend the entire program. A driver's license is not required. **Students can enroll any semester.** In addition to the course work, students will apply their new skills toward the production of a Mini-Stock class race car. The completed car will compete at a local racetrack.

Automotive Technology Curriculum

The duration of the course is two years. Semesters one and two will be covered in school years beginning with odd numbers (e.g. 2015/2016). Semesters three and four will be covered during school years beginning with even numbers (e.g. 2014/2015).

Semester One (2015/2016)
- ❑ Auto Shop Safety
- ❑ Trade Knowledge
- ❑ Brakes (ASE 5)
- ❑ Introduction to Engine Performance
- ❑ Precision Measurement

Semester Two (2015/2016)
- ❑ Auto Shop Safety
- ❑ Engine Performance (ASE 8)
- ❑ Fuel Injection
- ❑ Ignition Systems
- ❑ Emission Systems

Semester Three (2014/2015)
- ❑ Auto Shop Safety
- ❑ Steering & Suspension Systems (ASE 8)
- ❑ Wheel Alignment
- ❑ Introduction to Electrical/ Electronics Systems

Semester Four (2014/2015)
- ❑ Auto Shop Safety
- ❑ Electrical/ Electronics Systems (ASE 6)
- ❑ Automotive Batteries
- ❑ Starting Systems
- ❑ Charging Systems

COMPUTER SCIENCES PROGRAM

COMPUTER REPAIR A & B

Grades: 11, 12
Credits: **SHS:** 2 per semester
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None

Computer Repair is a CompTIA A+/TestOut PC Pro certification course. Certification is achieved by passing industry standard certification exams. The material presented during class is representative of what is on the exams. This course includes an A+ practice exam and one official TestOut PC Pro exam. Both are given at the end of the course. To actually pass either exam (to be certified in computer repair) requires significant independent work and study outside of class time.

Semester 1

- Being a PC technician
- Peripheral Devices: USB, display, firewire, etc.
- Storage: optical drives – ATA, Serial ATA, SCSI, File System, RAID
- Networking: hardware, ethernet, network addressing – IP v4, IP v6, utilities, HomeGroup
- System Components: power supply, motherboard, processors, configuration
- Printing: printers, configuration, management, maintenance
- Mobile Devices: notebook computers, apps, maintaining

Semester 2

- Installing and Troubleshooting:
- Windows System Management: preferences, performance, users and groups, applications, updates
- System Implementation: components, pre/post considerations
- File Management: locations, managing, NTFS, sharing, offline
- Security: best practices, physical, social, BIOS, malware, authentication, encryption, firewalls, proxy
- Troubleshooting: motherboard, storage, video, etc.

Students can enroll either semester, but are expected to complete both semesters prior to taking any networking class.

*Upon completion of the course, students can take the PC Pro Exam for free and will have the option of paying a fee to take the A+ certification exam to become a certified technician.

COMPUTER NETWORKING A & B

Grades: 11, 12
Credits: **SHS:** 2 per semester
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: Computer Repair

Computer Networking is a TestOut Network Pro certification course. This course presents you with material relevant to many standard computer networking courses, for example: CompTIA Network+ and Cisco CCNA. Specifically, this course prepares you for the TestOut Network Pro certification exam. To be in this course, you need to be working toward certification. The exam is offered near the end of the program.

Semester 1

- Networking Basics
- Cables and Connections
- Networking Devices
- Ethernet
- Network Implementation
- Wireless Networking
- Wide Area Networks

Semester 2

- Network Security
- Network Management
- Troubleshooting

* Upon completion of the course, students can the Network Pro exam for fee.

COSMETOLOGY PROGRAM

Our mission is to provide students with the opportunity to discover the Cosmetology industry through learning, leadership, marketing, and artistic skills. Cosmetology is an exciting and ever-changing career. We offer students the opportunity to explore and practice the art and science of beauty care. The course consists of all aspects of this industry including, Minnesota State Laws and Rules, professional development, design decision in hairstyling, chemical texturizing, hair coloring, salon environment, nail care, skin care, waxing, retailing and salon business.

This program is offered in a licensed Cosmetology School setting, thus giving the student both the training and hands on aspects of the profession. Electing this program will allow students to explore diversified career possibilities as well as earn hours that are transferable to post-secondary Cosmetology schools.

COSMETOLOGY 1A & 1B

Grades: 11, 12
Credits: **SHS:** 2 per semester
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Fees: $80 (Lab fee includes mannequin head, nail care pack and other required supplies–cost is subject to change if supply costs increase)

1st Semester

- Intro to MN State Laws & Rules
- Safety & Infection Control
- Intro to Hair
- Intro to Hair styling
- Intro to Hair Design
- Haircutting
- Hair Styling
- Practical Application

2nd Semester

- MN Laws & Rules
- Intro to Manicuring
- Natural & Artificial Nails
- Intro to Pedicuring
- Intro to Massage
- Intro To Skin Care
- Waxing
- Facials
- Make-Up
- Practical Application

COSMETOLOGY 2A & 2B

Grades: 12
Credits: **SHS:** 2 per semester
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: Cosmetology I
Lab Fee: $80 (Fee includes equipment kit, product supplies and mannequin head)

1st Semester

- Review – Basic Haircutting
- Laws & Rules
- Short/clipper Haircutting: Men's Haircutting
- Practical Application
- Women's haircutting
- Hairstyling/Finger Waves/Pin Curls
- Intro to Hair Relaxing
- Practical Application

2nd Semester

- Intro to Perming
- Theory & Technique
- Laws & Rules
- Practical Application
- Intro to Hair Color/Foiling
- Salon Business/ Management
- Practical Application

CRIMINAL JUSTICE PROGRAM

The security needs of today's world have created a new career demand. Preparation of the various professionals dealing with these concerns will be the subjects addressed in the Criminal Justice Program. The program is designed for students interested in becoming police officers, federal agents, probation/parole officers, lawyers/judges, juvenile justice workers, and crime scene investigators. The institutions of police, courts, and corrections will be studied as to how they protect people and their rights, apprehend law violators, prevent crime and provide social services. Writing and critical thinking skills will be developed throughout the course by class discussion, student presentations and small group activities. Related college programs are available at two and four year state colleges. The course is a two-year program with a different class offered each semester. Students applying for and meeting PSEO eligibility could earn 3 credits per semester from Normandale Community College.

Crime Scene Investigation, communications, and criminal justice ethics will be a part of each semester's study plan.

CRIMINAL JUSTICE

2 year program begins in Fall of odd years, but the 2 years can be taken in either order

Grades: 11, 12

Credits: **SHS:** 2 per semester

College: Students may be eligible to receive post-secondary credits for career and technical courses completed

Prerequisite: None

YEAR 2 – 1st Semester: Police & Community (Fall 2016)

- Origins/History of U.S. Policing
- Police Discretion
- Traditional Policing
- Community Policing
- Police and Crime Fighting
- Calls for Police Services
- Social Organization of Arrest
- Use of Force
- Police Shootings
- Use of Deadly Force
- Police Attitudes and Behaviors
- Racial Profiling
- Police and Domestic Violence
- Special Police Units
- Police Conduct and Ethics
- Terrorism and Law Enforcement
- Police Deviance and Corruption
- Police Organization
- Police Patrol Styles
- Police and Legal Issues
- Hazards of Police Work
- Police Socialization and Subculture
- Police Recruitment
- Purposes of Policing

YEAR 2 – 2nd Semester: Introduction to Corrections (Spring 2017)

- Origins of Corrections
- Philosophy of Corrections and Changes
- Social Interventions and Juvenile Diversion
- Understanding Recidivism
- Jails and Prisons
- Probation and Parole
- Community Corrections
- Boot Camps
- Discretion; Judges, Lawyers, Parole Boards
- Plea Bargaining
- Drug Courts
- Juvenile Courts
- The War on Drugs and Prison
- Minorities and Incarceration
- Life Sentences
- The Death Penalty
- Three Strikes and You're Out Policies
- Mandatory Minimum Sentences/Truth in Sentencing Policies
- Treatment vs. Punishment
- Restorative Justice Model
- Chemical Dependency and the Law
- Federal Drug Sentences
- State Drug Sentences
- Crack v. Powder Cocaine Sentencing

YEAR 1 – 1st Semester: Introduction to Criminal Justice (Fall 2015)

- Evolution of Law Enforcement & Criminal Justice
- Three Eras of Policing
- Crime and Social Control
- Discretion in the Criminal Justice System
- Bill of Rights
- Criminal Law
- Crime Trends and Crime Mythology
- Crime and the News
- Crime in the U.S.
- Official Sources of Crime Data
- Traditional Policing
- Community Policing
- Purposes of Policing
- Police and Legal Issues
- Police Challenges
- Recruitment Process & MN Post Requirements
- Minorities and the Criminal Justice System
- Criminal Trial Process
- Courts
- Individual Rights v. Public Order
- Sentencing
- Death Penalty
- Corrections (Overview)

YEAR 1 – 2nd Semester: Juvenile Justice and Delinquency (Spring 2016)

- Society's Changing View/Status of Children
- Discretion and the Juvenile Justice System
- Juvenile Crime Trends
- Status Offenses
- Delinquency and Youth Crime
- Measuring Delinquency
- Violent Youth Crime
- Illegal Drug Use and Delinquency
- Theories of Juvenile Crime and Delinquency
- Family and Delinquency
- Schools and Delinquency
- Gender and Delinquency
- Gang Delinquency
- Police and Delinquency
- Juvenile Court
- Juvenile Corrections
- A review of significant cases in Juvenile Justice will be a primary focus of this semester

GRAPHIC DESIGN AND PRINT PROGRAM

GRAPHIC DESIGN AND PRINT 1 A & B

Grades:	11, 12
Credits:	**SHS:** 2 per semester **College:** Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite:	None
Required Materials:	4MB or larger flash drive

In the Graphic Design and Print Program, students will receive applied knowledge of the graphic communications industry through hands-on, real-world experience. Students have the option of taking the program for one or two years, or by the semester. Each semester focuses on a different aspect of the industry, giving students advanced college credit and marketable skills for the workforce.

Students are presented with college-level knowledge and practical applications, using industry standard software and equipment. Theory of color and design, typography, layout and production, offset and screen printing, bindery, job costing and safety are covered, along with personal employability skills. Field trips to colleges and industry sites are included in the program.

The Graphic Design and Print Program is home to several state and national design and print related award winners. Credits from this class are transferable to a number of post-secondary colleges.

1st Semester

- Theory of design
- Color theory
- Typography
- Adobe InDesign
- Adobe Illustrator
- Safety
- Introduction to Offset Press

2nd Semester

- Safety
- Graphic Measuring
- Adobe Photoshop
- Professional Portfolio
- Advanced Printing
- Screen Printing

GRAPHIC DESIGN AND PRINTING 2 A & B

Grades:	11, 12
Credits:	**SHS:** 2 per semester **College:** Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite:	Graphic Communications I maintaining a B or above average

The second year program expands on skills learned in the first year course and adds skills in advertising design, production and multi-media. Students will have the ability to customize their own curriculum each quarter, to their own personal interest. In addition, students will construct a professional portfolio of their work and may participate in job shadows and/or internships at local printing companies. Credits from this class are transferable to a number of post-secondary colleges.

Students who drive risk losing the opportunity to attended courses and will be placed in two study halls for the duration of the semester.

MEDICAL CAREERS PROGRAM

MEDICAL CAREERS A & B

Grades:	11, 12
Credits:	**SHS:** 2 per semester **College:** Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite:	None
Required Materials:	Students have an option to obtain the certifications listed below. Some fees are attached to those certifications. Some other optional field trip opportunities may also have fees.

The Medical Careers Program provides students the opportunity to earn industry standard certifications while expanding their knowledge of the medical field. This course will focus on emergency care (semester 1) as well as caring for the elderly (semester 2). Through the coursework, speakers, field trips, hands-on activities, events, and clinicals, students will learn the skills required of anyone working in a healthcare setting. Students will leave this class with an understanding of human body systems, medical terminology, ethics, legal issues, communication skills, standard precautions, scene safety, and patient and staff diversity. Students will be exposed to a wide variety of medical careers including Nursing, Phlebotomy, Lab Technician, Surgery Technician, EMT/Paramedic, etc.

Putting skills and knowledge to use is much different than just learning about it. Opportunities are offered to provide first aid at community events, teach CPR, promote community health through blood donation, and compete in state competitions with other high school students who have similar interests.

Certifications:

- American Heart Association's Heartsaver CPR/AED, First Aid, and BLS for the Healthcare Provider
- Nursing Assistant
- Emergency Medical Responder

The criteria for earning industry certifications come from the issuing institutions and are generally higher than that of a typical high school class. In order to earn these certifications, students may need to put in time outside of class for clinicals, studying, or practicing skills. While all students may not earn the certifications, all will leave the class with an understanding of medical careers.

PHOTOGRAPHY PROGRAM

The Photography Program covers nearly every aspect of photographic skills one would need to pursue photography as a lifelong hobby or career. These courses, which are taught by practicing professionals and teach everything from nature, landscape, photojournalism, commercial to wedding and portrait photography. This course utilizes both historical and current photographic processes, everything from film to digital, simple point and shoot cameras to the tools real professionals use, and small to large format cameras. Adobe Photoshop is used for photo editing is taught with all of the digital projects. The labs consist of a Mac computer lab, a full portrait studio, commercial product station, two darkrooms, and a film development station.

PHOTOGRAPHY 3, 4 & 5

Grades:	11, 12
Credits:	**SHS:** 2 per semester **College:** Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite:	Successful completion of Photography 1 and Photography 2 at Shakopee High School
Course Fee:	$40 per semester
Lab/Lecture Time:	80/20
Notes:	Students are also encouraged to provide their own camera.

Photo 3, 4, & 5 students will create a professional portfolio and work on longer term independent projects in pursuit of a personal style. Job shadow experiences with real working professionals will also be available. Each level of photography will include a short research paper or project.