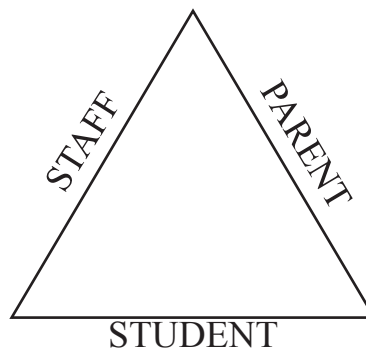


Chisago Lakes High School



2011-2012

REGISTRATION GUIDE



Go W.I.L.D...



Wisdom



Integrity



Leadership



Dedication






Chisago Lakes High School



Chisago Lakes High School will assist students to become responsible learners, active participants in their own education and productive members of an ever-changing society.

We believe ALL will:

-  Take initiative in being prepared for class, asking for assistance, and completing work on time
-  Show respect for self, others and school property
-  Demonstrate honesty and integrity



“Home of the Wildcats”
Developed by staff, students and parents of CLHS (07-08).

Message to Students

Planning the courses you will take doesn't just happen – it takes thought and careful consideration of the multitude of career pathways. We want you to reflect on your career goals and how the various opportunities at CLHS fit into those goals. Take full advantage of the choices at CLHS. These choices are broad and can be explored in-depth. You can take challenging and rigorous courses in each and every department. We have our College in the Schools program (concurrent enrollment), Advanced Placement (AP) program, and Articulated classes that enable students to earn college credit while still in high school. Our career and technical education courses offer a variety of skills that connect the classroom to the ever changing world of work.

Students should use this guide to check graduation requirements, see which classes are required at each grade level, learn which electives are offered at each grade level and discover whether a desired class has any prerequisites. Students should not anticipate changing their course selections and schedules after registration. Your careful selection of courses will assist us in developing schedules, assigning teachers and determining when courses are offered in the most efficient manner.

Message to Parents

We encourage you to take an active role in the career planning with your child. In the ever-changing world that students will be entering after high school, sound decision making is crucial. Please encourage your child to explore areas of career interest, talents and abilities. The most influential teachers in lives of students are their parents. Please take the time to discuss with your child ideas about education and its significance. Expect diligent study, role model good time management and set high expectations for them to achieve. Nurture your child's curiosity, creativity, confidence and self-esteem. Once again, we encourage you to be an active participant with school staff and support your son or daughter, the teaching staff and others.

Our Master Schedule is developed after students complete their initial registration. To be as efficient as possible, your student should only sign up for those classes they truly intend to take. During the final Master Schedule process, students may experience conflicts with courses and adjustments must be made. Changes in course requests must be kept to a minimum and will only be approved due to a change in post-high school plans.

All of us are proud of the quality of courses offered and the excellent instruction your student(s) will receive while attending CLHS. Together, we will work with your student to provide the best possible education.

Mr. Ertl
Principal

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Instructions for registration...

This guide has been prepared to assist you in your choice of classes for next year. Please read it carefully and make decisions that are best for you and your future. If you have questions about the courses listed in this registration guide, please ask one of your teachers or counselors. We want to assist you in any manner we can to ensure proper choice of classes.

The following are the steps along the registration process:

- ✓ Students will receive registration materials during PAWZ.
- ✓ Students should:
 - review all materials and information and begin to make decisions on classes they would like to request for next year
 - read the course descriptions carefully
 - check for prerequisites
 - review credit check
- ✓ Select courses that meet our district and state graduation requirements, as well as support future post-secondary plans.
- ✓ Discuss your plans with your parents/guardian. Counselors recommend having one parent sign the registration form.
- ✓ Registration will be completed in small groups with your counselor. On the day of registration, your form will be verified and you will register on-line. You are responsible for completing your registration form by the deadlines.

High School Planning Information

High school parents and students need to consider the information contained in the next few pages. If you have any questions, please contact your high school counselor at 651-213-2500.

GRADUATION REQUIREMENTS

Credit requirements may be altered due to Board of Education action.

<u>COURSE:</u>	<u>CREDIT</u>
English:	4.0
English 9-1 & 2	1.0
English 10-1 & 2	1.0
<i>11th Grade Select One:</i>	
•English 11-1 & 2	1.0
•American Lit. & Academic Writing	1.0
•American Lit. Honors & Academic Writing (jr. or sr. year)	1.0-1.5
<i>12th Grade Select One:</i>	
•English 12 & elective	1.0
•Literature course & elective	1.0
•AP English & Academic Writing (jr. or sr. year)	1.0-1.5
Social Studies:	4.0
World History 1 & 2	1.0
US History I & II	1.0
US History III	0.5
Government in Action	0.5
Economics	0.5
Social Studies Elective	0.5
*Math:	3.0
Science:	3.0
Science 9-1 & 2	1.0
Biology 1 & 2	1.0
Science Electives	1.0
Physical Education:	1.0
Phy. Ed 9	0.5
Phy. Ed 10	0.5
Health:	0.5
Career Pathways:	0.5
Art:	1.0
Electives:	12.0
Total Credits:	29.0

State Testing Requirements: To be eligible to receive a MN diploma ALL students must pass the MCA II/Grad reading, math & writing tests.

***NOTE:** Students in the class of 2015 and beyond who take Pre-Algebra and/or Algebra I at the high school level, will receive elective credit only for these courses. These courses do not count toward the math graduation requirement.

College Entrance Recommendations and Requirements

Most Chisago Lakes graduates continue their education at a two-year or four-year college or university. Because college enrollments continue to increase, so have the admission requirements. **Most four-year state colleges and universities now have the following minimum entrance requirements:**

- 4 years of English (including composition and literature)
- 3 years of math (2 years of algebra and 1 year of geometry) (4 years recommended)
- 3 years of science (1 yr. each of a physical and a biological science and 1 yr. w/significant laboratory experience)
- 3 years of social studies (including 1 year each of US history and geography)
- 2 years of a single world language (including non-English Languages and ASL)
- 1 year of visual and performing arts

In addition to meeting the above minimum requirements, students planning to attend a four-year college must take either the ACT or SAT college entrance examination. Also, most four-year colleges require a minimum high school class rank in the top 50%. Some have much stricter entrance requirements.

Most two-year colleges have the following recommendations for entrance requirements:

- Students must have a high school diploma or GED.
- Students will be required to take a test for placement in reading, writing and mathematics skills by the community or technical college. The most common placement exam is the Accuplacer. In general, the SAT and ACT are not part of the admission requirements but may be for specific programs such as Nursing.
- Students are more likely to do well on the placement test if they completed a “college prep” curriculum in high school. Developmental or remedial courses (non-degree credit) may be required if students have not met minimum competencies evaluated by each school’s placement test.

In conclusion, if you are college bound, do the best you can to make wise class choices now which will fulfill all entrance requirements at the college of your choice. See your counselor or call your college if you have questions.

College Representatives

Representatives of colleges, universities, technical colleges, military branches and private vocational schools schedule visits at CLHS through the career resource center (CRC). The dates of these visits are announced through the announcements, Naviance and posted on the high school website. Students are responsible for checking with the CRC staff (Mary Ellen Sparrow-651-213-2517) if they have inquiries about a specific representative.

College Visits

If a junior or senior wishes to visit a post-secondary institution, this needs to be arranged with the attendance office prior to the date of the appointment. Please note that college visits are excused if the visit is pre-approved.

College Credit

Concurrent Courses

A student may earn up to twenty-eight (28) college semester credits by the time he or she graduates. These college credits are earned through Lake Superior College but are taught at Chisago Lakes High School.

Listed below are the college-level courses taught, college department and course number, along with the Lake Superior College name for the course in parenthesis and their credit value. The course descriptions are found in this guide.

Lake Superior College (LSC):

College Psychology - PSYCH 1120 (Gen'l. Psychology) – 3 college semester credits (taken over 2 terms)

College Sociology - SOC 1111 (Intro to Sociology) – 3 college semester credits (taken during 1 term)

College Human Anatomy and Physiology - BIOL 1150 (Human Anatomy) - 4 college semester credits & BIOL 1005 (Intro to Cell Biology) – 1 college semester credit (taken over 2 terms)

College Algebra - MATH 1100 (College Algebra) – 4 college semester credits (taken over 2 terms)

College Trigonometry - MATH 1130 (College Trigonometry) – 3 college semester credits (taken over 2 terms after successful completion of College Algebra I & II with a grade of C or higher)

College Calculus - MATH 2204 (Calculus I) – 5 college semester credits (taken over 2 terms after successful completion of College Algebra and Trigonometry)

College Spanish – SPAN 2020 (Intermediate Spanish) – 5 college semester credits (taken over 2 terms)

Special Notes:

• **Juniors** enrolling in college credit courses **must rank in the top third of their class at the end of term 3 of their sophomore year.**

• **Seniors** enrolling in college credit courses **must rank in the top half of their class at the end of term 3 of their junior year.**

- ALL students must complete a Lake Superior College application by the college designated deadline.
- Once enrolled, students must drop these courses by the deadlines designated by the college.
- Only juniors and seniors who have completed the accelerated math sequence or FST (Functions Statistics & Trigonometry) can register for college credit math class. In consultation with counselor and teacher, students will be allowed to “double up” in order to qualify for college credit math classes.

*Students will receive a grade on their Chisago Lakes High School transcript and on a Lake Superior transcript.

In order for students to transfer the Concurrent Enrollment credits to the colleges they are applying to, students must request directly through Lake Superior College (LSC) for an official transcript to be sent to the college(s) they are applying to and should note this on their college applications.

Advanced Placement (AP) Courses

The Advanced Placement program enables students to pursue college-level studies while in high school. Based upon their performance on rigorous A.P. examinations, students can earn credit, advanced placement or both for college. CLHS offers the following courses:

- A.P. Biology
- A.P. English
- A.P. US History

The College Board recommends acceptance of 3.0 or higher on the exam for granting credit at the post-secondary level. However, each college and university sets its own A.P. policy. Students who wish to verify a college or university's A.P. credit policy can go to www.collegeboard.com/ap/creditpolicy/index. Students who are willing to accept the challenge of a rigorous academic curriculum will be allowed to enroll in an A.P. course.

Post-Secondary Options Enrollment (PSEO)

Juniors and seniors are reminded that the PSEO program allows qualified students to attend any post-secondary school either full or part-time during their junior or senior year at no cost to the student. In general, Minnesota state colleges and universities require juniors to rank in the top third of their class and seniors to rank in the top half. If you are interested in learning more about the post-secondary opportunities available, please make an appointment with your counselor. A parent should also attend this meeting.

More information on PSEO can be found on the MDE website at:

http://education.state.mn.us/MDE/Academic_Excellence/College_Career_Readi/PSEO/index.html

Credit by Assessment

Under some special circumstances, credit may be obtained for prior learning or special experiences. See your counselor for a detailed hand-out explaining the procedures.

Fee Waiver

If you are unable to pay for any course fee, the following waiver procedure shall apply:

The student's parents or guardian shall be responsible for initiating a request for the fee waiver to the building principal.

- a. The current income guidelines established by State and Federal agencies for qualification of free and reduced lunches shall serve as qualifications for waiver of fees.
- b. In cases of unusual hardship not falling within the State and Federal guidelines, the principal or designee may authorize a waiver for some or all of the fees.

Financial Aid

The FAFSA, Free Application for Federal Student Aid, is available in the guidance office after January 1st or on the web site: www.fafsa.ed.gov. Each year a senior financial night is held to explain the financial aid process and answer family specific questions.

NCAA Division I or II Athletics

Students who want to participate in NCAA division I or II athletics in college should start the certification process by registering with the NCAA Eligibility Center by the end of their junior year. For more information, please refer to page 15, the NCAA website at www.eligibilitycenter.org, or check with your school counselor.

Participation in the Graduation (Commencement) Ceremony

Seniors must have earned a minimum of 28 of the 29 required credits to participate in the graduation ceremony. This is subject to change per Chisago Lakes Board of Education action. All credits must be completed at the time of the graduation ceremony practice. In order to participate in the ceremony, it is mandatory to attend rehearsal and pay the \$30 participation fee. Commencement is a voluntary event in which students may choose to participate.

Scholarship Information

Scholarships are coordinated through the Career Resource Center (CRC). A complete listing is available by calling the CRC at 651-213-2517. Scholarships are posted on the high school's web site under Career Resource Center link and in Naviance.

Summer School

Chisago Lakes High School offers an "On Track" Academic Program for students who are behind in credits for graduation. Students can make-up credits during designated summer sessions at their own pace through a virtual and media rich classroom setting housed at Chisago Lakes High School. Students needing to recover credit(s) will be contacted by their school counselor to complete the necessary paperwork.

Teacher's Aide (TA) / Office Aide Information

Opportunities to assist teachers or office staff with various tasks are available to students. These arrangements must be made with your counselor by the end of the first week of any given term. A schedule of classes must be in place prior to teacher aide/office aide assignment.

The following conditions must be completed prior to any teacher aide or office aide position for credit:

- One quarter credit for one term, full block
- For TA, a total of no more than ½ credit per year during grades 11 and 12
- For office aide, no more than 1 credit grades 9-12
- Completed form on file detailing staff member's expectations and responsibilities (daily attendance & evaluation) and student tasks listed
- TA credit to be graded as pass-fail not to be included in GPA
- These details will be supervised by the student's counselor
- A student with a grade of "F" (no credit) or "I" (incomplete) in the previous term will not be eligible to be a T.A. or Office Aide

ARTICULATED COURSES FOR COLLEGE CREDIT

Applied Academics

Several courses taught at CLHS have the potential of resulting in college credit. For the credit to be offered, an articulation agreement must be signed by the student, the CLHS teacher and the collaborating college instructor. In addition to the agreement, the student must earn a B or higher in each class and be in 11th or 12th grade. College credit is only guaranteed at the participating college if they enroll.

CHISAGO LAKES HIGH SCHOOL COURSE	TECH./COMMUNITY COLLEGE COURSE/#	COLLEGE/SEMESTER CREDITS
Computer Applications II	Intro to Software / CPL 1010	Century College / 3 cr.
Automotive Services I & II	Automotive Service / AST 2000	Century College / 2 cr.
Child Development I & II	Paraeducator Elective / EDUC 0 Foundations of Child Development / CHDV 1210 Child Growth & Dev. / CHLD 1500	Century College / 3 cr. St. Paul College / 3 cr. Hennepin Tech College / 3 cr.
Computer Applications & Desktop Publishing	Microsoft Software / BUSM 1200 Intro. to Computers / COMP 1000 Intro. to Software / CAPL 1010 Computer Basics / BUS 1111 Intro. to Computer Applications / COMP 1120 Microsoft Office 2007 / CCIS 1080	St. Cloud Tech. / 3 cr. Anoka Tech. / 3 cr. Century College / 3 cr. Anoka-Ramsey Cmty. Coll. / 3 cr. Central Lakes / 3 cr. Hennepin Tech. / 3 cr.
Desktop Publishing	Microsoft Word / CAPL 1023	Century College / 3 cr.
Fashion	Fashion Marketing Essentials / MKTG 1043	Century College / 3 cr.
Health Care I & II	CPR/Professional Rescuer, American Heart / EMS 1010 and Nursing Assistant- Registered / NURS 1001	Century College / 1 cr. Century College / 4 cr.
Engineering I	Intro. to AutoCAD / ECAD 1070	Century College / 3 cr.
Engineering II	Intro. to Pro E / ECAD 2055	Century College / 3 cr.
Horticulture Classes: Floriculture, Adv. Floriculture, Landscape Hort., Plant Sci., Green- house Mgmt.	Horticulture Internship / HORT 1781	Century College / 1 cr. each
Marketing I & II	Principles of Mktg. / MKTG 2050	Century College / 3 cr.
Small Business Ownership	Marketing Elective / MKTG 0	Century College / 1 cr.

Other colleges are NOT obligated to honor these credits although students are encouraged to take certificates earned from articulated courses to any post secondary institution in addition to those listed above and petition for post secondary credit.

Chisago Lakes High School Testing Program

Required State Exams



Minnesota Comprehensive Assessments (MCA II/GRAD)

All students are required to pass the MN GRAD test of written composition and the GRAD/MCA II in reading and math to receive a diploma in the state of Minnesota. These exams will measure the reading, writing, and math proficiency of high school students. Students are required to take these exams at specific grade levels:

9th grade:	GRAD Writing
10th grade:	MCA II/GRAD Reading
11th grade:	MCA II/GRAD Math

Measures of Academic Progress (MAP)

Chisago Lakes High School utilizes the Measures of Academic Progress (MAP) testing to monitor student's academic growth. These tests measure a student's academic growth from year to year in the areas of Mathematics and Reading. Students not meeting established benchmarks may be placed in lab classes in preparation for the 10th Grade Reading MCA II and the 11th Grade Math MCA II exams. All 9th graders will be assessed in the areas of reading & math while all students in 10th grade will be assessed in the area of math. Each school year, selected students will take the tests in the fall and again in the spring. Following each testing period, parents will receive reports that will measure your child's academic progress during the school year.

CAREER AND COLLEGE ENTRANCE EXAMS

ACT

The ACT is a test published and administered by the American College Testing Service. It measures a student's aptitude in English, math, reading and scientific reasoning. The ACT also has an optional writing portion which is required by some colleges. Chisago Lakes recommends the ACT along with the writing. We recommend students who plan to enroll in a four-year college take the ACT at the end of their junior year. The April or June testing date is recommended. The ACT is an assessment that is used by the colleges in the Midwest as part of their entrance requirements.

Registration materials can be picked up in the guidance office or on-line at: www.actstudent.org .

ACCUPLACER

The Accuplacer was developed by the College Board to provide information regarding the skill level of a student in the areas of reading, writing, English and math. Most community and two-year colleges use this assessment as a placement tool to assist selecting the most appropriate classes.

PLAN

The PLAN is a test for all sophomores. The PLAN is designed to help students prepare for the ACT. The ACT is used by most 4 year colleges in the Admissions process. The PLAN can also assess student's academic standing, help investigate a full range of career options, and assist in refining a student's high school coursework plan.

PSAT

The PSAT is an optional pre-test for 10th and 11th graders, administered in October and is a predictor of future success on the SAT. It's given to juniors as the initial step to enter the scholarship competitions conducted by the National Merit Scholarship Corporation. The test measures developed verbal and mathematical reasoning abilities that are important for successful academic performance in college. It assesses the ability to reason with facts and concepts rather than the ability to recall and recite information. Test scores may be used to help place students into AP classes.

SAT I

The SAT I is a test published and administered by the College Board. It measures critical reading, math & writing abilities. We recommend that students check with their post-secondary institution to see if it is required. The test is usually used as an entrance requirement for post-secondary institutions not in the Midwest. In some cases, colleges require 1 or more of the SAT II subject tests. Contact college for specifics. Registration materials can be picked up in the guidance office or on line at www.collegeboard.com.

Initial Eligibility Clearinghouse Requirements

Students hoping to participate in Division I or II athletics in college must plan carefully as they complete high school courses. Application for eligibility is made after the junior year of high school. Grade point averages in a “Core Curriculum” are evaluated as follows:

Courses	Division I 2008 and after	Division II 2005 and after
English Core	4 years	3 years
Math Core (including Algebra I and one higher level)	3 years	2 years
Science Core (including at least one year of lab science)	2 years	2 years
Social Science Core	2 years	2 years
From English, Math, or Science	1 years	2 years
Additional Core (English, Math, Science, Social Science, Foreign Language, Computer Science, Philosophy, Nondoctrinal Religion)	4 years	3 years
TOTAL CORE UNITS REQUIRED	16	14

ACT and SAT scores are also factored into final eligibility decisions. For complete details, refer to the website: www.eligibility/enter.org.

The following Chisago Lakes High School courses have been submitted to the NCAA for compliance with eligibility standards. These classes are currently offered and are designated next to the course name by:

NCAA

English

AP English	Modern Literature
Academic Writing	Public Speaking
American Literature	War in History, Lit. & Film
American Lit. Honors	
British Literature	
Creative Writing	
English 9	
English 9 Honors	
English 10	
English 10 Honors	
English 11	
English 12	

Math

Algebra I
Algebra II
Geometry 1 & 2
Functions, Stats & Trig. (FST)
Advanced Algebra II
Statistics
College Algebra
College Calculus 1 & 2
College Trigonometry
Advanced Geometry

Social Science

World History 1 & 2	Psychology
US History I, II, III	Economics
Government in Action	
Social Problems	
Women’s History	
World Conflicts of the 21st Century	
Wild, Wild West	
A.P. US History	
College Sociology	
College Psychology	
War in History, Literature & Film	

Natural/Physical Science

Biology (Lab)	Science 9 (Lab)
Biology Topics	Science 9 Honors
AP Biology (Lab)	Physics (Lab)
Chemistry (Lab)	Anatomy & Physiology
Geology	Astronomy
Accelerated Physics	Meteorology

Additional Core Courses

German I	Spanish I
German II	Spanish II
German III	Spanish III
German IV	College Spanish
Chinese I	American Sign Lang. I, II
Chinese II	French I & II

Ninth Grade Course Selections

Introduction: The following classes are elective and required course selections for your freshman year. Since the focus of the 9th grade year is to establish foundational knowledge and develop effective study skills, many core classes are required during this year of high school. Freshmen and their parents should give special consideration to the appropriateness of registering for a foreign language as a 9th grader. Based on interest, students may choose from the list of electives below or register for a study hall. Study halls are not awarded credit and students should not have more than one study hall per year.

Required Classes:

- | | | |
|--|--|---|
| <p>Art
1 credit of art to be completed before graduation
Students may select from the following courses to earn art credit:</p> <ul style="list-style-type: none"> • Media Arts: Web Design I/II, Desktop Publishing, Media Productions II • Music: Stage/Select/Womens' Choirs, CL Winds, Jazz/Concert/Symphonic bands, Adv. Music Study, Class Piano, Guitar 1 • Visual Arts: Art Fundamentals, Adv. Art Fundamentals, Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Design Basics 1 & 2, Adv. Floriculture, Apparel Constr., Housing & Int. Design • Performing Arts: Theatre Arts | <p>Business
.5 credit of Business
Required: Career Pathways</p> <p>English
1 credit of English
Required: English 9-1 & 9-2 or English 9 Honors 1 & 2</p> <p>Math
Choose the next appropriate math class based on the placement of 8th grade math.</p> | <p>Phy. Ed.
.5 credit of Phy. Ed.
Required: Phy. Ed. 9</p> <p>Science
1 credit of Science
Required: Science 9-1 & 9-2 or Science 9 Honors 1 & 2</p> <p>Social Studies
1 credit of Social Studies
Required: World History 1 & 2</p> |
|--|--|---|

Elective Classes:

See course registration guide for prerequisites and class descriptions.

- | | | |
|------------------------|---------------------------------------|---------------------------------|
| Ag Science (Pgs 24-26) | Family & Consumer Science (Pgs 36-37) | Music (Pgs 45-47) |
| Art (Pgs 27-28) | Foreign Language (Pgs 38-39) | Other Course Electives (Pg 48) |
| Business (Pgs 29-31) | Industrial Technology (Pgs 40-42) | |

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET

GRADE 9

A total of 29 credits are required for graduation.

English 9-1 or English 9 Honors 1	English 9-2 or English 9 Honors 2	World History 1	World History 2
Science 9, I or Science 9 Honors	Science 9, II or Science 9 Honors	Math	Math
Phy. Ed. 9	Career Pathways	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 9 REQUIREMENTS

English 9-1 & 2 or English 9 Honors 1 & 2 (1.0)

World History 1 & 2 (1.0)

Science 9-1 & 2 or Science 9 Honors 1 & 2 (1.0)

Math (1.0)

Phy. Ed. 9 (.5)

Career Pathways (.5)

Arts Elective (1.0) to be completed prior to graduation

Tenth Grade Course Selections

Introduction: The following are elective and required course selections for your **sophomore year**. We recommend that students take advantage of this year of high school by choosing elective classes that build on their current career interests and academic strengths. Students should also register for classes that provide opportunity for further skill development in areas of concern.

Required Classes:

Art

1 credit of art to be completed before graduation. Students may select from the following courses to earn art credit:

- Media Arts: Web Design I/II, Desktop Publishing, Media Productions II
- Music: Stage/Select/Womens' Choirs, CL Winds, Jazz/Concert/Symphonic Bands, Adv. Music Study, Class Piano, Guitar 1
- Visual Arts: Art Fundamentals, Adv. Art Fundamentals, Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Design Basics 1 & 2, Adv. Floriculture, Apparel Constr., Housing & Interior Design
- Performing Arts: Theatre Arts

English

1 credit of English
Required: English 10-1 & 2 or English 10 Honors 1&2

Math

Choose the next appropriate math class based on the successful completion of 9th grade math.

Phy. Ed./Health

.5 Credit of Phy Ed
.5 Credit of Health
Required: Phy Ed 10 and Health

Science

1 credit of Science
Required: Biology 1 & 2 or Chemistry 1 & 2 or Physics 1 & 2

Social Studies

1 credit of Social Studies
Required: US History 1 & 2

Elective Classes:

See course registration guide for prerequisites and class descriptions.

Ag Science (Pgs 24-26)	Family & Consumer Science (Pgs 36-37)	Music (Pgs 45-47)
Art (Pgs 27-28)	Foreign Language (Pgs 38-39)	Other Course Electives (Pg 48)
Business (Pgs 29-31)	Industrial Technology (Pgs 40-42)	

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET

GRADE 10

A total of 29 credits are required for graduation.

English 10-1 or English 10 Honors 1	English 10-2 or English 10 Honors 2	US History I	US History II
Biology 1 or Chemistry 1 or Physics 1	Biology 2 or Chemistry 2 or Physics 2	Math	Math
Phy. Ed. 10	Health	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 10 REQUIREMENTS

English 10-1 & 2 or English 10 Honors 1 & 2 (1.0)

US History I and II (1.0)

Biology 1 & 2 or Chemistry 1 & 2 or Physics 1 & 2 (1.0)

Math (1.0)

Phy. Ed. 10 (.5)

Health (.5)

Arts Elective (1.0) to be completed prior to graduation

Eleventh Grade Course Selections

Introduction: The following are elective and required course selections for your junior year. We recommend that students take advantage of this year of high school by choosing classes that help achieve post-secondary goals and entrance requirements. This is essentially the last year that college bound students will have to build their GPA and class rank before applying to colleges the fall of their senior year. Students should also register for classes that provide opportunity for further skill development in areas of concern.

Required Classes:

Art

1 credit of art if not completed before graduation.

Students may select from the following courses to earn art credit:

- Media Arts: Web Design I/II, Desktop Publ., Media Prod. II
- Music: Stage/Select/Womens' Choirs, CL Winds, Jazz/Concert/Symphonic Bands, Adv. Music Study, Class Piano, Guitar 1
- Visual Arts: Art Fundamentals, Adv. Art Fundamentals, Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Design Basics 1 & 2, Adv. Floriculture, Apparel Constr., Housing & Interior Design
- Performing Arts: Theatre Arts

English

1 credit of English

Choose from:

- English 11-1 & 11-2
- American Lit. & Academic Writing
- American Lit. Honors 1 & 2

Students enrolled in American Literature Honors can choose to take Academic Writing either their junior or senior year.

Math

Choose the next appropriate math class based on the successful completion of 10th grade math.

Science

1 credit of Science elective

Choose from: AP Biology, Chemistry, General or Accelerated Physics, Anatomy & Physiology, Meteorology, Minnesota Geology, Astronomy, Environmental Science II or Agri-Science choices: Environmental Science, Plant Science, Large Animal Science, Fish and Wildlife or Forest Resource Management

Social Studies

1 credit of Social Studies
 .5 credit of US History III
 .5 credit Government in Action

Elective Classes:

See course registration guide for prerequisites and class descriptions.

Ag Science (Pgs 24-26)	Family & Consumer Science (Pgs 36-37)	Other Course Electives (Pg 48)
Art (Pgs 27-28)	Foreign Language (Pgs 38-39)	Phy. Ed./Health (Pg 49)
Business (Pgs 29-32)	Industrial Technology (Pgs 40-42)	Science (Pgs 50-52)
English (Pgs 32-35)	Music (Pgs 45-47)	Social Studies (Pgs 53-54)

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET

GRADE 11

A total of 29 credits are required for graduation.

English 11,1 or American Lit. or American Lit. Honors 1	English 11, 2 or Academic Writing or American Lit. Honors 2	US History III	Government in Action
Science Elective	Science Elective	Math	Math
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 11 REQUIREMENTS

English 11, 1 & 2 (1.0) or
American Lit. & Academic Writing (1.0) or
American Lit. Honors 1 & 2 (1.0) & Academic Writing (jr. or sr. year)
US History III (.5) and Government in Action (.5)
Science Elective (1.0)
Math (1.0)
Arts Elective (1.0) to be completed prior to graduation

Twelfth Grade Course Selections

Introduction: The following are elective and required course selections for your **senior year**. We recommend that students take advantage of this final year of high school by choosing classes that help achieve post-secondary goals and entrance requirements. **Many post-secondary institutions require further math or science and in most cases, 2 years of the same foreign language.** Students should also register for classes that provide opportunity for further skill development in areas of concern.

Required Classes:

Art

1 credit of art to be completed before graduation.

Students may select from the following courses to earn art credit:

- Media Arts: Web Design I/II, Desktop Publ., Media Prod. II
- Music: Stage/Select/Womens' Choirs, CL Winds, Jazz/Concert/Symphonic Bands, Adv. Music Study, Class Piano. Guitar 1
- Visual Arts: Art Fundamentals, Adv. Art Fundamentals Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Design Basics 1 & 2, Adv. Floriculture, Apparel Construction, Housing & Interior Design
- Performing Arts: Theatre Arts

English

1 credit of English

Choose from:

- English 12 & elective
- Literature course & elective
- AP English 1 & 2

Students enrolled in AP English can choose to take Academic Writing either junior or senior year.

Social Studies

1 credit of Social Studies

Required: .5 Economics

Required: .5 Social Studies

Elective

Choose from:

- World Conflicts of the 21st Century
- Social Problems
- Women's History
- Wild, Wild West
- Psychology
- College Psychology
- College Sociology
- AP US History
- War in History, Lit. & Film

Elective Classes:

See course registration guide for prerequisites and class descriptions.

Ag Science (Pgs 24-26)

Art (Pgs 27-28)

Business (Pgs 29-32)

English (Pgs 32-35)

Family & Consumer Science
(Pgs 36-37)

Foreign Language (Pgs 38-39)

Industrial Tech. (Pgs 40-42)

Math (Pgs 43-44)

Music (Pgs 45-47)

Other Course Electives (Pg 48)

Phy. Ed./Health (Pg 49)

Science (Pgs 50-52)

Social Studies (Pgs 53-54)

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET

GRADE 12

A total of 29 credits are required for graduation.

English 12 or Lit. Course or AP English 1	English Elective or AP English 2	Economics	Social Studies Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 12 REQUIREMENTS

English 12 & elective or literature course & elective or
AP English 1 & 2 (1.0)
Economics (.5)
Social Studies Elective (.5)
Arts elective (1.0) to be completed prior to graduation

Agri-Science

Course Offerings:

Natural Resources I
Advanced Natural Resources
*++Plant Science
Floriculture
Advanced Floriculture
Greenhouse Management
Small Animal Science
*++Large Animal Science
Horse Science
*++Forest Resource Management
*++Fisheries & Wildlife Management
*++Environmental Science I
*Environmental Science II
Plant & Animal CSI-Biotechnology
Landscape Horticulture
Youth Leadership Seminar

Agricultural courses are interdisciplinary; the courses are agriculturally based with a mix of science, art, math, and history.

*SCIENCE Credit – may be completed for a ½ credit of science for up to 1 full credit of science.

++Helps fulfill the U of M Science Entrance Requirement

Courses in the agri-science department are open to students interested in exploring career opportunities in this dynamic area. Students selecting these courses will develop skills that will prepare them for the world of work as well as furnish the background for further training in the technical school and/or college. These courses provide the opportunity to focus on the development of skills through course work, FFA, and student SAEP's (supervised agricultural experience programs). Each student will conduct a project related to agricultural experiences outside the classroom.

NATURAL RESOURCES I

Prerequisite: none
Course length: 1 term
Students study native plants and wildlife. This course will include basic ecological concepts, orienteering, survival, ecology, and environmental concerns. This is the beginning course to the other natural resource courses. A considerable amount of time is spent outdoors in our outdoor living classroom.

ADV. NATURAL RESOURCES

Prerequisite: Natural Resources I or instructor approval
Grade: 11-12
Course length: 1 term
Credit: ½
This course offers advanced studies in the areas of wildlife, fisheries and forest management. Students work in developing and managing the school's forest and nature study areas including Bryant Nature Center in Taylors Falls. Students work and demonstrate their learning in the Outdoor Living Classroom.

PLANT SCIENCE

Prerequisite: none
Grade: 10-12
Course length: 1 term
Credit: ½
Students will learn about all aspects of plants and soils. Our life depends on each of them and this course provides the information and application of it to understand their role. Students will also evaluate and study the diverse perspectives of agricultural events and actions. They will use their findings to evaluate the perspectives and their effect on people. Students will develop their understanding and application in lab work to develop the understanding of plant morphology/physiology, growth and reproduction.



FLORICULTURE

Prerequisite: none
Grade: 9-12
Course length: 1 term
Credit: ½
Floriculture is a unique blend of science and art. Floriculture is a branch of horticulture dealing with the design of flowers and the production of flowering plants. Horticulture is the science and art of growing plants in small areas. Flowers are essential to life - they provide all of our food, oxygen, and clothing. We will study the many reasons "for a flower". In floriculture, students will study the products from a flower, morphology, physiology, production, factors of plant growth, history, creative design, identification, taxonomy, and environmental factors required for growing flowering plants. Students also study aspects of flowers with creative experiences in visual art through floral design.

Agri-Science (continued)

ENVIRONMENTAL SCIENCE I

Prerequisite: none

Grade: 9-12

Course length: 1 term

Credit: ½

This is the first of a two-quarter class. Students will learn about and be actively involved in the 4 R's, Reduce, Reuse, Recycle and Repair. They will manage the high school recycling program. Topics covered will include: the environment and society, tools of environmental science, the dynamic Earth, ecosystem functions land and water ecosystems. Labs will be included as well as a major class assignment.

ENVIRONMENTAL SCIENCE II

Prerequisite: Environmental Science I

Grade: 9-12

Course length: 1 term

Credit: ½

This continues Environmental Science I. Students will again manage the school recycling program. Topics covered will be: biodiversity, air and water resources, climate change, land use, energy and waste. The course includes labs and a major research project.

PLANT & ANIMAL CSI-Biotechnology

Prerequisite: none, however, a class in Biology, Chemistry, Fisheries & Wildlife, Small Animal Science, or Plant Science would be beneficial

Grade: 10-12

Course length: 1 term

Credit: ½

This course deals with a very advanced and upcoming area in the agricultural industry, biotechnology. Biotechnology is the use of micro organisms to perform specific tasks to help humankind. New innovation techniques will be used in DNA extraction, tissue culture, cloning issues, plant hormones and growth regulators, gene splitting, embryo transfer, food additives, food safety, food processing, bioconversion of waste, vaccines, and preservation. Application to current issues will be discussed.



LANDSCAPE HORTICULTURE

Prerequisite: none

Grade: 10-12

Course length: 1 term

Credit: ½

Students develop skills in landscape design, installation, estimating, and the growing of landscape materials. Students will install a landscape in the community. Learn how and put your knowledge to practice in the area of landscaping. Students will solve mathematical problems in the estimation phase of the creation of your personal landscape design. This is a hands-on/minds-on course that will be in part spent outside in the actual landscaping of a home or business. Students will also work maintaining landscapes and plants that were landscaped by previous landscape classes on and off campus.



YOUTH LEADERSHIP SEMINAR

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

This course is for students who want to improve their understanding of themselves, others, and the ability to communicate in those relationships. The course is designed to teach leadership and to allow an opportunity to practice it. The course is designed to teach servant leadership and to allow an opportunity to practice it. The class atmosphere allows students to carry out educational projects that will help them in developing their skills to become more effective citizens and community leaders. This is a seminar class meaning there is small and large group discussion and activities to help understand yourself and personal relationship concepts. Topics include seeing in a different light, personality, gender, decision making, local current events, leadership, love, forgiveness, relationships, habits, character, and communication. Class attendance and participation are essential to successfully complete the class.

Art

Course Offerings:

Art Fundamentals
Advanced Art Fundamentals
Drawing
Environmental Art
Painting
Advanced Painting
Ceramics
Advanced Ceramics
Independent Art
Design Basics 1 & 2



(If a student's achievement is below average, teacher approval is necessary to take any of the next level courses.)

ART FUNDAMENTALS

Prerequisite: none
Term length: 1 term
Grade: 9-12
Credit: ½

Painting, Drawing, Clay, Animation; different materials and projects almost every week...this class has it all.

Art fundamentals is a developmental course designed to apply and interpret artistic expression, as well as prepare students for other courses offered in the art department. Students will demonstrate an understanding of the elements and principles of design, through a variety of artistic media, techniques and processes. Areas of art history, artists and critiquing are used to explore artistic intent, historical, cultural and social influences along with an understanding of how works of art are structured for a variety of functions.

ADVANCED ART FUNDAMENTALS

Prerequisite: Art Fundamentals
Term length: 1 term
Grade: 10-12
Credit: ½

Did you enjoy the variety of Art Fundamentals; all the different materials and projects nearly every week? Want to try to improve your skills in drawing, painting and ceramics? This course is designed for you to continue and further develop the skills you learned in Art Fundamentals through more advanced projects. This is a developmental course designed to apply and interpret artistic expression, as well as prepare students for other courses offered in the art department. Students will demonstrate an understanding of the elements and principles of design, through a variety of artistic media, techniques and processes. Areas of art history, artists and critiquing are used to explore artistic intent, historical, cultural and social influences along with an understanding of how works of art are structured for a variety of functions.

DRAWING

Prerequisite: Art Fundamentals
Term length: 1 term
Grade: 10-12
Credit: ½

Love Drawing? Want to improve your skills or just become better at drawing? Learn how to draw yourself and a whole lot more!

Drawing is a developmental course designed to apply and interpret artistic expression, and improve the drawing skills through a variety of exercises relating to techniques, power of observation and hand/eye coordination.

This will help in communicating intent and give personal voice to help demonstrate an artistic whole in the finished works. The basic tool, the pencil, along with a variety of other mediums will be used. Areas of art history, artists and critiquing are used to explore artistic intent, historical, cultural and social influences along with how the works are structured for a variety of functions.

ENVIRONMENTAL ART

Prerequisite: Art Fundamentals (required) Drawing & Painting (recommended)
Term length: 1 term
Grade: 11-12
Credit: ½

Have you noticed all those beautiful murals all around the school? This class is responsible for them. Learn how to paint large scale murals to help improve the look of our school! Students will problem solve, evaluate, research, plan, design, sketch, graph, enlarge, transfer and create art for the public environment. Space will be within the school or community. Areas of art history, artists, critiquing, and computer searches will help communicate intent, a personal voice and artistic whole and consideration for the audience in the selected subject matter. Student and parent will sign an agreement for any traveling to and from possible locations.

PAINTING

Prerequisite: Art Fundamentals or Drawing
Term length: 1 term
Grade: 10-12
Credit: ½

Move over Michelangelo! This painting class includes watercolor and acrylic mediums. Art history and critiques are used to explore artistic intent. Students create works that communicate personal voice with the following subjects: botanicals, still life, landscape, abstract and non-objective. Students who complete projects early may paint a silk scarf, a stool, a mandala or perhaps collaborate on a mural project. Whatever the project, the result will be your artistic "creation".

Art (continued)

ADVANCED PAINTING

Prerequisite: Art Fundamentals, Drawing, Painting (It is recommended but not required, that Drawing be taken first.)

Grade: 11-12

Course length: 1 term

Credit: ½

Problem solve, develop and demonstrate advanced skill in oil painting. Areas of art history, artists, critical analysis and interpretation are used to explore artistic intent, cultural, historical and social influences to develop works that communicate intent, a personal voice, an artistic whole and consideration for the audience in the subject areas of personal images.

CERAMICS

Prerequisite: Art Fundamentals

Grade: 10-12

Course length: 1 term

Credit: ½

Have you got that urge to throw something? Then take ceramics! Students will throw six or more pots on wheel. Other projects include a tile, a pinch pot, a coil pot, sculpted fish, a 'rattle for change,' an effigy vessel, or a teapot. Embellish your works with texture and glaze to develop works that communicate intent and a personal voice. Students will explore the cultural, social and historical influences in clay with critiques and the study of art history. If you've always wanted to express yourself in clay, then this is the class for you.

ADVANCED CERAMICS

Prerequisite: Art Fundamentals, Ceramics

Grade: 11-12

Course length: 1 term

Credit: ½

Problem-solve, develop and demonstrate advanced skills with clay in the methods of embellishment techniques, pinch/modeling, coil, slab, wheelwork and coloration. Written work in areas of art history, artists, and critiquing are used to explore artistic intent. Study cultural, historical and social influences to develop works for a variety of functions. Write a report that demonstrate an in depth inquiry into subject matter.

DESIGN BASICS 1

Prerequisite: Art Fundamentals and Drawing Grade: *10-12

Course length: 1 term

Credit: ½

Design Basics 1 and 2, will be offered in a 2-term sequence. Students will study the elements and principles of design, color theory, and composition. Students will create posters, packaging designs, logos and additional projects in advertising design. Students will study typography and use various alphabets to enhance text and design in their projects. Students will create sketches, fill out worksheets to plan projects, and turn in projects on time. Reports, projects and tests will have the same rigor as college classes, as both Design Basics courses 1 and 2, will be articulated with Century College for 3 credits with a B or better average in both classes (students must graduate first, and attend Century College full-time for credits to count).

**Sophomores may sign up for this class, but may only get college credit if they complete the Part 2 class during their junior or senior year.*

DESIGN BASICS 2

Prerequisite: Art Fundamentals, Drawing, and Design Basics 1

Grade: 11-12

Course length: 1 term

Credit: ½

Design Basics 2, will follow previous design study, and incorporate design and advertising projects, which will culminate in a final identity campaign. Students will compete against one another to 'sell' their advertising design to a panel of judges. The top identity campaign will be chosen by this panel of judges. Whenever possible this class will be creating real advertising for real companies, schools, or institutions and students may also compete in poster and various design contests. The completion of Design Basics, 1 and 2 with a B or better will apply to 3 semester credits at Century College, if a student will be attending full-time after graduation. This course requires the same rigor as a college course, and deadlines for assignment completion are firm. *Credit may be sought for other colleges and universities, but will not be guaranteed.

INDEPENDENT ART CLASSES

Prerequisite: Art Fundamentals, Ceramics, Advanced Ceramics, Drawing, Painting, Adv. Painting, and Environmental Art
Enrollment is subject to instructor and admin. approval.

Grade: 12

Course length: 1 term

Credit: ½ each

Areas of art history, artists and critiques will be used to explore artistic intent, cultural, historical and social influences to develop works that communicate intent, a personal voice and artistic whole and consideration for the audience in selection of subject matter and artist medium. Instructors will require an independent art program of study plan.

Business

Course Offerings:

Introduction to Business
Personal Money Management
Marketing I, 1 & 2
Marketing II, 1 & 2
Business & Personal Law
Career Pathways
Keyboarding

Computer Applications I
Computer Applications II
Desktop Publishing
Web Design I
Web Design II
Small Business Ownership
Accounting I, 1 & 2



INTRODUCTION TO BUSINESS

Prerequisite: none

Grade: 9-12

Course length: 1 term

Credit: ½

Introduction to Business is an elective business class with the goal of getting students acclimated to the basic understanding of how the business world operates. Units of study include Management, Human Resources, Accounting, Marketing, and International Trade. This is a great foundational class to take for students who want to learn what the business world is all about.



PERSONAL MONEY MANAGEMENT

Prerequisite: none

Grade: 9-12

Course length: 1 term

Credit: ½

This course provides the student with fundamentals to apply personal and family resource and financial management knowledge through informed decision making. Students will apply skills in the use of credit, buying insurance, using checking and savings accounts, planning financial investments, renting, preparing income tax forms, and budget management. Students will apply computer technology skills for results in learning and preparing personal financial strategies.

MARKETING I, 1 & 2

Prerequisite: none

Grade: 10-12

Course length: 2 terms

Credit: ½ each

Students enrolled in Marketing I will learn the fundamentals of marketing and management through real-world, authentic classroom projects/tasks. Students will take an in depth look at the 4 P's of marketing (Price, Product, Place, and Promotion) and create a detailed Marketing Plan for a hypothetical product. Working in teams, utilizing technology, and presenting information to others will be stressed in all units covered. Students may also choose to join DECA (Association of Marketing Education Students) to continue to build and improve their leadership, communication, technology, and marketing skills by attending leadership conferences, participating in competitive events with other DECA chapters in the state, and interacting/volunteering in the local community.

MARKETING II, 1 & 2

Prerequisite: Marketing I

Grade: 11-12

Course length: 2 terms

Credit: ½ each

Students enrolled in Marketing II will build on the fundamentals learned in Marketing I. This class focuses on Advertising, Selling, Market Analysis, Entrepreneurship, Investing, Post-Secondary Options, Career Options, and Job skills through detailed, project oriented units. Working in teams to solve problems, utilizing current technology, and presenting information will be key ingredients to each unit of study. This class is intended for students who have a sincere interest in business as a career. In addition, students may choose to join DECA (An Association of Marketing Students) to build and improve their leadership, communication, and marketing skills by attending leadership conferences, participating in competitive events conferences, and in participating in local activities and fundraisers. Students who get a "B" or better will be eligible for 3 college credits for a "Principles of Marketing" class at the post-secondary level.

Business (continued)

BUSINESS & PERSONAL LAW

Prerequisite: none
Course length: 1 term
Grade: 10-12
Credit: ½
This law class emphasizes the basic judicial principles that are the foundation of the rights, obligations, and responsibilities of U.S. citizenship. The study of law is useful in determining future career choices in law enforcement, paralegal studies, legal studies, or law office associate. Students will apply knowledge to criminal law, constitutional law, civil law, family law, bankruptcy, leases, and research infamous criminals.

CAREER PATHWAYS

Prerequisite: none
Course length: 1 term
Grade: 9
Credit: ½
This is a required class for 9th graders and is intended to help students learn more about how their skills, abilities, interests, and values match up with different career clusters. The Naviance online career assessment system will be used to keep a 4 year portfolio of this information and be updated annually. Additional units covered include study skills/strategies, post-secondary options, job skills, and character building.

KEYBOARDING

Prerequisite: none
Course length: 1 term
Grade: 9-10
Credit: ½
Keyboarding is a class created for students who need remediation in their keyboarding skills prior to enrolling in computer applications I. Acquisition and development of these skills will create a smoother transition into the high school computer class pathway. Continuous development of typing skills, development of speed and accuracy, and creation of professional business documents including memos, letters, reports will be the main course objectives.

COMPUTER APPLICATIONS I

Prerequisite: none
Course length: 1 term
Grade: 9-12
Credit: ½
This computer course will focus on the basic fundamentals of MS Office 2007 software applications including MS Word, Excel, PowerPoint, and Access. The emphasis will be on MS Word. Students will organize, properly format and create professional business documents such as letters, memos, mail merges, spreadsheets, charts, presentations, and many more. This is a prerequisite class needed to be able to register for any of the other computer classes in the business department. It is an outstanding class for all students who want a broad base of skills in the most common version of software at the Post-Secondary level and in the current working world.

COMPUTER APPLICATIONS II

Prerequisite: Computer Applications I
Course length: 1 term
Grade: 9-12
Credit: ½
This class is for students who want to learn more in depth features of Office 2007 and other software packages. In addition, students will also explore video editing software and enhancement techniques. This class also offers students in grades 11-12 who get a "B" or better to be eligible for 3 college credits at several colleges in Minnesota. *This class also offers students in grade 11 or 12 who get a "B" or better to be eligible for 3 college credits at several colleges in MN.*

WEB DESIGN I

Prerequisite: Computer Applications I
Course length: 1 term
Grade: 9-12
Credit: ½
Students enrolled in Web Design I will learn basics of web page design and functionality of web design and graphic software. Software programs students will be using in Web Design I include Adobe Fireworks CS3, Adobe Photoshop CS3 and Adobe Dreamweaver CS3. Students will be given the opportunity to learn, develop, and enhance web design skills. The culminating activity of Web Design I is the creation of individual web sites on topics chosen by the students. *Also, this class gives students ½ credit towards the 1 Art credit required to graduate.*

Business (continued)

WEB DESIGN II

Prerequisite: Web Design I with a "C-" or better

Grade: 10-12

Course length: 1 term

Credit: ½

Students enrolled in Web Design II will build on skills learned in Web Design I. Software programs students will be using in Web Design II include Adobe Fireworks CS3, Adobe Photoshop CS3, Adobe Dreamweaver CS3 and Adobe Flash CS3. Graphics, sounds, motion, use of color, and utilization of multimedia functionality will be emphasized. Upon successful completion of this class students will be armed with the necessary skills to create professional looking web sites. *Also, this class gives students ½ credit towards the 1 Art credit required to graduate.*

DESKTOP PUBLISHING

Prerequisite: Computer Applications I

Grade: 9-12

Course length: 1 term

Credit: ½

This computer course focuses on advanced MS Word functions and the fundamentals of MS Publisher, Adobe Photoshop CS3 and Adobe Fireworks CS3. Students will learn graphic design principles and create artistic, promotional, and functional documents such as flyers, brochures, business cards, office stationery, newsletters, and some digital photography. This class offers students in grade 11 or above who get a "B" or better to be eligible for 3 college credits at several colleges in Minnesota. *Also, this class gives students ½ credit towards the 1 Art credit required to graduate.*

SMALL BUSINESS OWNERSHIP

Prerequisite: none

Grade: 10-12

Course Length: 1 term

Credit: ½

This small business ownership/entrepreneurship class provides students the opportunity to create and design their own hypothetical business while learning the basic principles involved with small business ownership. Key units of study include financing, promoting, staffing, and locating a business. In addition, guest speakers from the local business community, utilizing technology, and exploring key characteristics of successful entrepreneurs will be key elements of the course.



ACCOUNTING I, 1 & 2

Prerequisite: none

Grade: 11-12

Course length: 2 terms

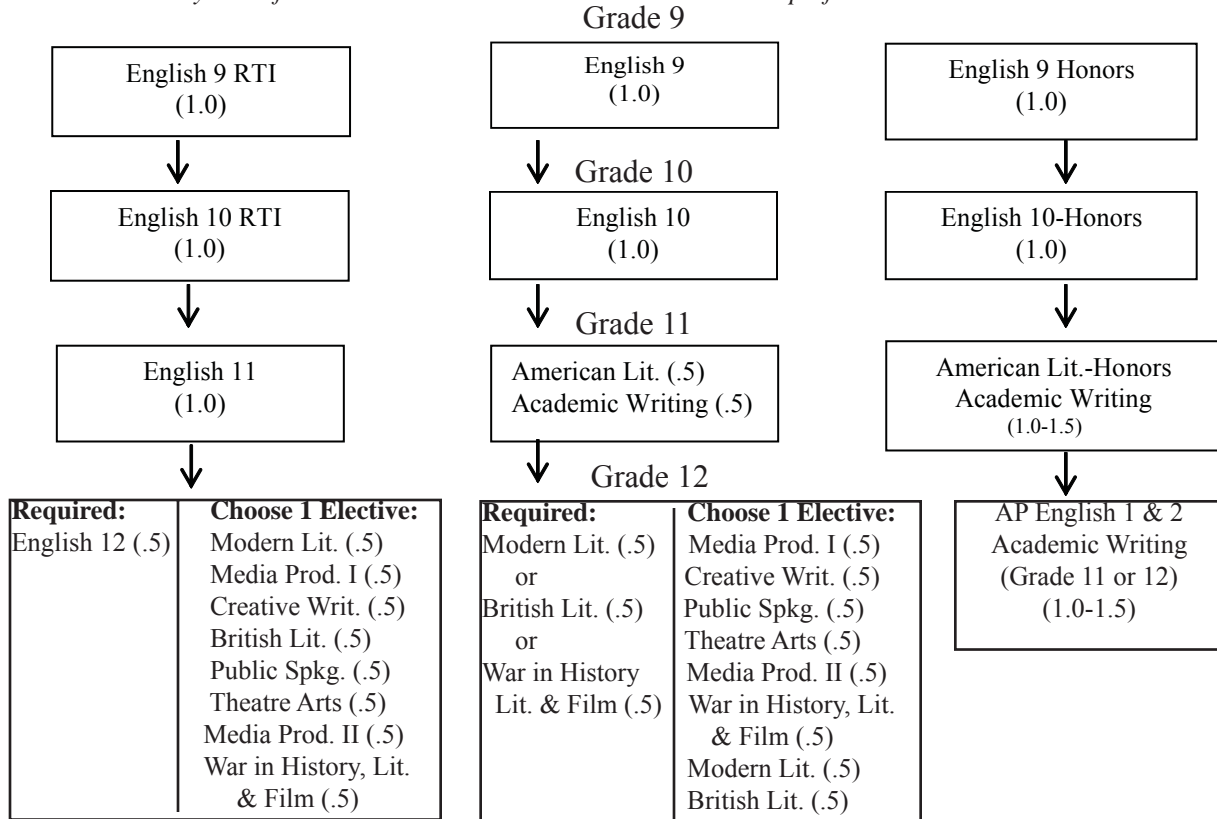
Credit: ½ each

The student will learn the rules and procedures of accounting for profit-motivated businesses. Learning the "how" and "why" of accounting will enable one to keep the accurate financial records from which to make wise financial decisions. This course will teach double entry accounting using the General Journal (General Ledger) system. The complete accounting cycle will be learned. The course will also explain the ten-column worksheet and financial statements for a merchandising business. It will deal with payroll, depreciation, and petty cash. Selected projects will be completed using a computerized accounting program.

English

Grades 9-12 Flow of Coursework

Students may move from one column to another based on academic performance and teacher recommendation.



Course Offerings:

Required Courses

English 9 or English 9 Honors (grade 9)
 English 10 or English 10 Honors (grade 10)
 English 11 or American Lit. & Academic Writing
 or American Lit. Honors (grade 11)
 English 12 or Lit. elective or
 AP English 1 & 2 (grade 12)

Electives:

Creative Writing
 Media Productions I
 Media Productions II
 Modern Literature
 British Literature
 War in History, Literature & Film
 Public Speaking
 Theatre Arts

NCAA

ENGLISH 9, 1 & 2

Prerequisite: none Grade: 9
 Course length: 2 terms Credit: ½ each
 This required course consists of the study of literature, writing, oral communication, grammar, and vocabulary. This semester long course includes the analysis of short stories, poetry, and drama, along with the practice of writing a variety of expository papers based on the writing process (pre-writing, composing, revising, conferencing and editing).

NCAA

ENGLISH 9 HONORS, 1 & 2

****DO NOT SIGN-UP FOR THIS CLASS****

Students will be selected based upon data collection & instructors/administration placement. Grade: 9
 Course length: 2 terms Credit: ½ each
 This rigorous class is designed for highly motivated students who choose to pursue an accelerated, in-depth study of communications. Students will read novels and plans while writing expository essays based on the writing process (pre-writing, composing, revising, conferencing and editing). They will also study grammar, usage and vocabulary & oral communication. Students must be outstanding readers capable of difficult, above grade level material.

English (continued)

ENGLISH 9 RTI, 1-4

****DO NOT SIGN-UP FOR THIS CLASS****

Students will be selected based upon data collection & instructors/administration placement.

Grade: 9

Course length: 4 terms

Credit: ½ each

This course is designed to help student progress and encourage academic success through:

- implementing reading intervention strategies- reading probes for tracking students' fluency (speed and accuracy) of reading
- teaching study skills- how to effectively study through prioritizing, note taking and understanding individual learning styles
- spelling and vocabulary strategies- decoding unfamiliar and difficult words
- incorporating English 9 curriculum semesters one & two, including short stories, oral communication, poetry, drama, nonfiction, and a novel

Emphasis will be placed on writing and reading intervention strategies. Data will be collected and analyzed to determine intervention strategies that will help the student be successful in his or her high school years and beyond.

ENGLISH 10 RTI, 1-4

Prerequisite: English 9 RTI or students will be selected based upon data collection & instructors/administration placement.

Grade: 10

Course length: 4 terms

Credit: ½ each

This course is designed to help student progress and encourage academic success through:

- implementing reading intervention strategies- more intense and rigorous reading selections are used to increase students' reading fluency (speed and accuracy)
- reinforcing learned study skills- how to effectively study through prioritizing, note taking and understanding individual learning styles
- spelling and vocabulary strategies- decoding unfamiliar and difficult words
- incorporating English 10 curriculum semesters one & two, including short stories, oral communication, poetry, drama, nonfiction, and the novel

The emphasis in this course will be on reading strategies. Data will be collected and analyzed to determine strategies to help the student be successful in his or her high school years and beyond.

NCAA

ENGLISH 10, 1 & 2

Prerequisite: English 9

Grade: 10

Course length: 2 terms

Credit: ½ each

This required course consists of the study of literature, writing, oral communication, grammar and vocabulary. Students will study literature: the novel, short stories, drama and poetry. Students will also study works of nonfiction: essays and biographies. Students will work to develop critical and analytical reading skills.

NCAA

ENGLISH 11, 1 & 2

Prerequisite: English 10 RTI or staff recommendation

Grade: 11

Course length: 2 terms

Credit: ½ each

While exploring the themes of American culture as found in American Literature, English 11 students will discover many useful post high school characteristics. Reading, writing, listening, speaking, viewing, critical thinking and problem solving skills will be developed. Examples of class projects are: detailed group and individual presentations, academic writing, and opportunities for meaningful discussion and peer instruction. A research project will bring together academic and technical skills, in preparation for technical or vocational school as well as new understandings gained from the course content.

NCAA

ENGLISH 10 HONORS, 1 & 2

Prerequisite: successful completion of English 9 or English 9 Honors

Grade: 10

Course length: 2 terms

Credit: ½ each

This rigorous class is designed for highly motivated students who choose to pursue an accelerated, in-depth study of literature, writing, oral communication, grammar and vocabulary. Students must be outstanding readers capable of handling above grade level material. Students will analyze and evaluate the novel, short stories, drama, poetry and nonfiction. Students who grasp this advanced curriculum should be able to enroll in Honors American Literature with confidence.

English (continued)

NCAA

MODERN LITERATURE

Prerequisite: none
Course length: 1 term
Students will explore novels, short stories and film from these popular genres: mystery, western, and science fiction. By studying selections from different literary genres, students will develop a better understanding of the many types of literature available to them. Class activities include reading, thinking, writing, and discussing.

Grade: 11-12
Credit: ½

NCAA

AP ENGLISH 1 & 2

Prerequisite: American Lit. Honors I & II
Course length: 2 terms
This college level course concentrates on British Literature, with a further emphasis on women writers and multicultural works of literature. It also provides further development of students' reading and writing skills. College credit can be earned with an acceptable score on the AP exam.

Grade: 12
Credit: ½ each

MEDIA PRODUCTIONS I

Prerequisite: none
Course length: 1 term
Students are exposed to Media Literacy by analyzing Internet, TV, and movie images. They learn elements of video production (editing, camera, and scripting). Students work independently and in groups on preproduction, field production, and post production to create a stop-motion project, music video, and segment for Wildcat News.

Grade: 11-12
Credit: ½

MEDIA PRODUCTIONS II

Prerequisite: Media Productions I with a "C" or better
Course length: 1 term
Students continue studying video production and enhance their knowledge of film by watching classic films and analyzing theme, cinematography, sound, and acting. They will create several video projects including a PSA and a creative short. We also use a broadcast studio to create Wildcat News shows.

Grade: 12
Credit: ½

THEATRE ARTS

Prerequisite: none
Course length: 1 term
This course focuses on drama in a historical, social, and performance/technical context. The class will examine artistic performances' effect or response, historical elements, delivery and technical support. Students will read plays, perform skits and scenes, write response papers, and engage in discussion.

Grade: 11-12
Credit: ½

NCAA

PUBLIC SPEAKING

Prerequisite: 9th, 10th and 11th grade English
Course length: 1 term
Public Speaking is designed to help students further develop their oral communication skills. The course will focus on the arrangement of a speech, style, language, delivery and other aspects. Students will also learn to locate, select, and organize information for a variety of purposes. Furthermore, students will inform, persuade, entertain, and move their audience with subjects of concern in a variety of speeches from impromptu, to interpretive, to those more meticulously planned.

Grade: 11-12
Credit: ½

NCAA

WAR IN HISTORY, LITERATURE AND FILM

Prerequisite: none
Course length: 1 term
Students may take this course as an elective in either English or Social Studies. This course will focus on several wars through history (nonfiction), literature (novels) and film. We will study the effect of the media, both news and feature films, on the public's perception of war. This course will also include the reading of several novels and short works of fiction.

Grade: 11-12
Credit: ½

GRAD. READING

****DO NOT SIGN-UP FOR THIS CLASS****

Students are assigned to class based on MCA II/Grad. Standards reading test results.

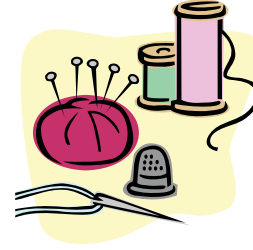
Grade: 11-12
Course length: 1 term each
This two-term course develops students' ability to comprehend and evaluate complex information in a variety of English language, non-fiction reading, viewing and listening selections. Students will practice and gain skill in identifying main ideas and supporting information; distinguishing fact from opinion; identifying bias point of view and author's intent and relevant background information. They will also analyze and evaluate the credibility of evidence and sources; logic of reasoning and how the type of communication (format, images, sound effects, etc.) shapes or limits information.

Grade: 11-12
Credit: ½ each

Family & Consumer Science

Course Offerings:

Consumer Foods I & II
Fashion
Fashion Merchandising
Independent Living
Child Development 1 & 2
Teen Issues
Housing and Interior Design
Freshmen FACS
Apparel Construction



FASHION

Prerequisite: none
Course length: 1 term
This course is an introduction to the world of fashion. Topics covered during the term are: basic functions of clothing, clothing terms, garment styles, popular fashion designers, clothing care, elements and principles of design and smart shopping strategies.

Grade: 9-12

Credit: ½

CONSUMER FOODS I

Prerequisite: none
Course length: 1 term
This introductory course will study safety and sanitation, cooking terms, kitchen tools and equipment, My Pyramid, etiquette, and basic principles of cooking. Students will apply these principles through labs involving: quick breads, yeast breads, fruits, vegetables, eggs, cheese, and pastries. Students will also evaluate fast food choices. [This course requires a student lab fee of \$5.]

Grade: 10-12

Credit: ½

FASHION MERCHANDISING

Prerequisite: Fashion
Course length: 1 term
This course explores fashion in more depth. Topics covered include: the fashion movement, price market categories of apparel, world design centers, the soft goods chain and all aspects of retailing from buying to selling. Students plan and put on a fashion show, modeling clothing from a local business and of their own creation. A field trip to the Mall of America is included in this course. **Students meeting criteria may receive 3 credits in the Century College Marketing Program, Fashion Marketing Essentials course.**

Grade: 11-12

Credit: ½

CONSUMER FOODS II

Prerequisite: Consumer Foods I
Course length: 1 term
This course will provide students with information and skills necessary in the techniques of advanced food preparation. Basic topics to be covered include: meal planning, breakfast, time management, grocery shopping, convenience foods. Advanced topics covered include preparation of appetizers, soups, salads, entrees & desserts. A short unit on international foods will include French & Asian cooking. Students will take a field trip to Le Cordon Bleu Culinary School at the end of the quarter, time permitting. [This course requires a student lab fee of \$10.]

Grade: 10-12

Credit: ½

INDEPENDENT LIVING

Prerequisite: none
Course length: 1 term
This course will help students prepare for life after high school and manage resources for their future household. Topics covered include: personality, budgets, banking, credit, housing, car buying, insurance, college and financial aid, and financial security. Students will manage a checking account throughout the term.

Grade: 10-12

Credit: ½

Family & Consumer Science (continued)

TEEN ISSUES

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

This class will focus on interpersonal relationships and teen issues. Course topics include: personality, values, friendship, dating, love, marriage and family. Students will present a teen issue topic to class such as suicide, chemical dependence, eating disorders, etc. This class emphasizes patience, respect and tolerance.

CHILD DEVELOPMENT 1

Prerequisite: none

Grade: 10-12

Course length: 1 term

Credit: ½

This course studies the way children grow and develop from conception to age three. Areas covered include: effective parenting skills and discipline, pregnancy and labor, birth defects, infant and toddler development and teen pregnancy. The Baby Think It Over Infant Simulator is a required part of this class. Students will take a real care baby home for one full weekend during the quarter.



CHILD DEVELOPMENT 2

Prerequisite: Child Development 1

Grade: 11-12

Course length: 1 term

Credit: ½

This course will study the development of pre-school-age children. This class will provide students the opportunity to work hands-on with children by designing and applying lessons. Students will explore developmental theories and apply these theories to their observations. In addition, students will write a research paper. **Students meeting criteria may receive 3 credits from St. Paul College or Century College.**



HOUSING & INTERIOR DESIGN

Prerequisite: none

Grade: 10-12

Course length: 1 term

Credit: ½

Students will develop awareness to housing needs, types of housing available, exterior design & floor plans. Each student will work to complete projects in which they will apply the elements and principles of design through selection of color, furniture, accessories, wall treatments, flooring and textiles. Careers within the field will be explored.

FRESHMEN FACs

Prerequisite: none

Grade: 9

Course length: 1 term

Credit: ½

This course provides students the opportunity to learn essential life skills. Although the focus of the course will be on nutrition and food preparation, there will also be smaller units on interior design, money management, child care, interpersonal relationships and communication. Each unit will incorporate group and individual projects as well as academic content.

APPAREL CONSTRUCTION

Prerequisite: none

Grade: 9-12

Course length: 1 term

Credit: ½

Students in this course will learn basic sewing skills, create projects from commercial patterns, and use simple alteration techniques when modifying or adjusting garments. Both teacher assigned and student selected projects will be completed during the term. Students with an interest in sewing and fashion are strongly encouraged to take this class. [This course requires a student lab fee of \$10.]

Foreign Language

Course Offerings:

Spanish I
Spanish II
Spanish III
College Spanish
German I
German II
German III
German IV

ITV Courses

American Sign Language I & II, 1-4
French I & II
Chinese I

NCAA

SPANISH I, 1 & 2

Prerequisite: successful completion of English 8 and staff approval
Grade: 9-12
Course length: 1 term each
Credit: ½ each
This course is an introduction to the language and cultures of Spain, Mexico, and the Americas. Spanish I provides basic training in comprehending and communicating through practice in speaking, listening, reading and writing.

NCAA

SPANISH II, 1 & 2

Prerequisite: C average in Spanish I
Grade: 10-12
Course length: 1 term each
Credit: ½ each
This course is a continuation of Spanish I. More Spanish grammar and vocabulary are studied.

NCAA

SPANISH III, 1 & 2

Prerequisite: min. C average in Spanish II
Grade: 11-12
Course length: 1 term each
Credit: ½ each
Texts and materials are advanced and more thoroughly cover Spanish grammar. Verbal skills are emphasized through group projects and individual presentations.

NCAA

COLLEGE SPANISH 1 & 2

Prerequisite: minimum C average in Spanish III & meeting concurrent enrollment requirements
Grade: 12
Course length: 1 term each
Credit: ½ each
College Spanish further develops language skills. Literature is explored to give the advanced student a wider view of the Hispanic world. **Students who successfully complete this course earn 5 college credits.**

NCAA

GERMAN I, 1 & 2

Prerequisite: successful completion of English 8 and staff approval
Grade: 9-12
Course length: 1 term each
Credit: ½ each

This course is an introduction to the language and cultures of Germany, Austria, and Switzerland. German I provides training in comprehending and communicating in German in a range of applications.

NCAA

GERMAN II, 1 & 2

Prerequisite: C average in German I
Grade: 10-12
Course length: 1 term each
Credit: ½ each

This course is a continuation of German I. The rest of German grammar is introduced and much more vocabulary is studied.

NCAA

GERMAN III, 1 & 2

Prerequisite: C average in German II
Grade: 11-12
Course length: 1 term each
Credit: ½ each

In this course, details of German grammar are mastered and vocabulary is expanded. Writing skills are improved as are speaking skills. Some history of German-speaking countries is studied. Students are encouraged to consult with the instructor for additional information. This course may be scheduled during the same period as German IV.

NCAA

GERMAN IV, 1 & 2

Prerequisite: C in German III
Grade: 12
Course length: 1 term each
Credit: ½ each

This course is a continuation of German III with more writing and speaking. Students will understand features of the language necessary for complex communication in varied applications. Students are encouraged to consult with the instructor for additional information. This course may be scheduled during the same period as German III.

Foreign Lang. (continued)

NCAA

AMERICAN SIGN LANGUAGE I, 1-4

Type of course: Interactive TV (ITV)

Host School: Pine City

Prerequisite: administration approval

Course Length: full year

Grade: 11-12

Credit: ¼ each

American Sign Language is the language used by approximately one half million deaf and hard of hearing people in the United States and parts of Canada. This language differs from English in its grammar and structure. In this class you will be learning basic American Sign Language vocabulary, grammar, and sentence structure. You will also be introduced to some of the unique social and cultural implications of deafness. This “hands-on” course is designed with opportunities to develop your receptive and expressive skill through dialogue practice and interaction activities. Portions of the course will be conducted non-verbally (voices are not allowed).

NCAA

AMERICAN SIGN LANGUAGE II, 1-4

Type of course: Interactive TV (ITV)

Host School: Pine City

Prerequisite: grade of C or better in ASL I & administration approval

Course Length: full year

Grade: 11-12

Credit: ¼ each

ASL II is a continuation of ASL I. Students will continue to develop expressive and receptive skills while increasing understanding of more complex vocabulary and grammar. Conversational skills and appropriate sign choice will be emphasized. Further exploration of Deaf Culture is also included. At the completion of the course students should be able to carry on extended conversations on a variety of topics, and will possess the cultural awareness necessary for successful interaction with members of the Deaf Community. Portions of class will be conducted in ASL, without spoken English.

NCAA

FRENCH I

Type of course: Interactive TV (ITV)

Host School: Cambridge

Prerequisite: administration approval

Course Length: full year

Grade: 9-12

Credit: ¼ each

The objective of this course is to learn to comprehend and communicate at an introductory level in a language other than English. The vocabulary and grammar structures learned this year are basic to survival in a French-speaking world.

NCAA

FRENCH II

Type of course: Interactive TV (ITV)

Host School: Cambridge

Prerequisite: successful completion of French I and administration approval

Course Length: full year

Grade: 10-12

Credit: ¼ each

French II is a continuation of French I. New vocabulary, grammar and expressions will be introduced and reinforced through writing, speaking, listening, and reading. Cultural information is presented almost exclusively in French.

NCAA

CHINESE I

Type of course: Interactive TV (ITV)

Prerequisite: none

Course Length: full year

Grade: 9-12

Credit: ¼ each

This is the beginning course of a four-year sequence that will enable the student to speak, read, and understand the official Mandarin Chinese language. In addition, the course will help the student understand the culture and heritage of approximately one-fifth of the world's population. The focus will be on simple vocabulary building, character recognition, and memorization using Chinese songs, games, and the art of calligraphy.

NCAA

CHINESE II

Type of course: Interactive TV (ITV)

Prerequisite: Chinese I

Course Length: full year

Grade: 10-12

Credit: ¼ each

This course is structured for the student to continue the study and mastery of the basic skills of speaking, listening, writing, and reading beginning Chinese. As in Chinese I, the course focuses on modern Mandarin Chinese, but some commonly used formal expressions used only in written Chinese are also included. Students will become acquainted with contemporary Chinese life and the contributions of Chinese culture.



Industrial Technology

Course Offerings:

DRAFTING

Intro. to Computer Aided Drafting
Architectural Drafting I, 1 & 2
Architectural Drafting II, 1 & 2
Engineering I
Engineering II

WOOD SHOP

Advanced Woodworking I & II
Construction Technology
Woodworking

METAL SHOP

Metals I
Metals II
Metals III

AUTO SHOP

Auto Mechanic Services I, 1 & 2
Auto Mechanic Services II, 1 & 2
Small Gas Engines

TECHNOLOGY

*Principles of Technology I, 1 & 2
*Principles of Technology II, 1 & 2
Intro to Design
Designing Industrial Systems
Computer Graphic Communications

***May be completed for science credit.**

INTRO. TO COMPUTER AIDED DRAFTING

Prerequisite: none
Grade: 9-12
Course length: 1 term
Credit: ½
Students in this course will be introduced to the world of drafting. The Students will receive instruction in Sketching, Board Drawing and the use of the CAD programs AutoCAD, ProENGINEER and Chief Architect. Students will learn basic technical sketching and drafting techniques and standards. Through this process the student will learn the steps necessary to design, sketch, and create appropriate drawings needed to construct a simple wood or metal project. Drawings for these projects will be completed in both AutoCAD and ProENGINEER. Students will also complete a unit in Architectural Drafting using Chief Architect.

ARCHITECTURAL DRAFTING I, 1 & 2

Prerequisite: Intro to Computer Aided Drftg. or instructors permission
Grade: 10-12
Course length: 2 terms
Credit: ½ each
Students will learn the process of creating a set of blueprints using CAD. They will be building on the skills learned in Intro to AutoCAD and applying them to the area of architecture. Students will also be introduced to plotting to scale and the use of larger format printing. Students in this course will complete a set of construction drawings for a single-family residence from the design phase to presentation drawings. Students will use math to solve problems such as room, window, and floor areas, roof and beam loads, etc.

ARCHITECTURAL DRAFTING II, 1 & 2

Prerequisite: completion of Architectural Drafting I, 1 & 2 with a grade of B or higher
Grade: 10-12
Course length: 2 terms
Credit: ½ each
Students in this course will complete a set of construction drawings for a multi-family residence from the design phase to presentation drawings. Students will demonstrate knowledge of CAD in both the design and creation of working drawings. Students will understand and apply the theory, symbols and equipment of the world's universal language of drafting. Students will also construct a presentation model of their design.



Industrial Tech. (continued)

ENGINEERING I, 1 & 2

Prerequisite: Introduction to Computer Aided Drafting or Introduction to Design or instructor permission

Grade: 10-12

Course length: 2 terms

Credit: 1/2

This course will start with a review of the AutoCAD drafting program and instruction in additional skills and techniques in 2-D drawing. It also is an introduction to Pro-Engineer (a solid modeling CADD software) and the Design Process. Students will learn how to use the elements of drafting taught in Drafting Projections and CADD I to draw life-like parts as a solid model. This exciting class is an introductory class for the student interested in drafting or engineering as a career.

Articulated College Credit Available

ENGINEERING II, 1 & 2

Prerequisite: Engineering I

Grade: 11-12

Course length: 2 terms

Credit: 1/2

This course takes a closer look at how an engineer uses science, math, engineering, and technology (STEM) to design and create a product. Pro-Engineer, the Design Process, abilities of technological design, and math are used to design, draw, and model parts. This class is a must for the engineering student in you!

Articulated College Credit Available

CONSTRUCTION TECHNOLOGY

Prerequisite: none

Grade: 10-12

Course length: 1 term

Credit: 1/2

This is an introductory course that will explore basic residential construction methods. Students will then use this knowledge to construct simulated or actual building projects.

WOODWORKING

Prerequisite: none

Grade: 9-12

Course length: 1 term

Credit: 1/2

Students enrolled in this class will use both hand & power tools to complete individual wood projects. Emphasis will be placed upon wood joints, finishing techniques, and project construction. Safety will be stressed as well as good work habits. This is an introductory course for the student who wants to create projects made of wood.

****Shop fees apply****

ADVANCED WOODWORKING I & II

Prerequisite: Woodworking and Intro. to Computer Aided

Drafting

Grade: 10-12

Course length: 2 terms

Credit: 1/2 each

The student will research, develop, and create a new product to demonstrate an understanding of needs, analysis, specific materials or technologies, material processing or design techniques, or by both. In Advanced Woodworking I, the student will learn about technologies, research and develop a set of plans for a wood project to be built in Advanced Woodworking II.

****Shop Fees Apply****

METALS I

Prerequisite: Intro. to Computer Aided Drafting

Grade: 10-12

Course length: 1 term

Credit: 1/2

This course is an introduction to basic metal working with emphasis on skill development through the making of projects using welding, machining, and other fabrication processes.

****Shop fees apply****

METALS II

Prerequisite: Metals I and Intro. to Computer Aided Drftg.

Grade: 10-12

Course length: 1 term

Credit: 1/2

Students in Metals II will refine basic metal skills and learn to weld aluminum, stainless, and other metals in all positions. Researching, developing, and testing a new product constructed by the student will gain practical experience. Other practical skills pertaining to metals will also be covered.

****Shop fees apply****

METALS III

Prerequisite: Metals II - Mechanical Drafting I is recommended but not required.

Course length: 1 term

Grade: 11-12

Credit: 1/2

Students in Metals III will construct their designed Metals II project. Students will also have the opportunity to be introduced to the CNC machine and robotic technology.

****Shop fees apply****

Industrial Tech. (continued)

SMALL ENGINES

Prerequisite: none
Course length: 1 term
This course will introduce students to the basic principles behind the operation, maintenance and repair of Small Gas Engines. Students will gain a basic understanding of engine fundamentals and service procedure. Information on the following areas will be given: 4 stroke cycle and 2 stroke cycle theory, small engine construction, operation, lubrication maintenance, troubleshooting, service, rebuilding and repair. Students will learn shop safety practices, how to follow procedures from a shop manual and proper use of tools to disassemble, inspect and reassemble a small gas engine.

Grade: 10-12
Credit: ½

AUTO MECHANIC SERVICES I, 1&2

Prerequisite: none
Course length: 2 terms
This is a course for male and female students who drive. Students will read and apply informative technical material about basic automotive systems from text, magazines, and other sources. First term will deal with general shop safety, tires, wheels, brakes, lubrication, cooling, tools, simple adjustments, purchasing/finance, and basic maintenance needs of an automobile. Time will be split with 2/3 being hands on shop applications and practical experience. The other 1/3 will be classroom lecture, tests, demonstrations, and reading. Term 2 students will go beyond general car care and general service. Students will be exposed to areas such as: ignition systems, charging systems, electrical systems, alignment, and some light bodywork. **There will be a \$5 lab fee.**

Grade: 11-12
Credit: ½ each

AUTO MECHANIC SERVICES II, 1 & 2

Prerequisite: both terms of Autos I completed with a "B" or higher along with GOOD attendance.
Course length: 2 terms
This is for students who are interested in autos or its many related areas as a career or vocation. Ten to twenty percent of class time will be spent reading text, manuals, and other material to understand and apply technical information. Eighty to ninety percent of class time will be working on vehicles in our vocational club service business, personal vehicles, or on donated vehicles. Grades are based on productivity skill level and ASE type competency testing in areas of Automotive Service Technology. Students can earn 2 college credits for Century College Automotive Service Technology program upon application and completion of the course with a grade of B or higher. **There will be a \$5 lab fee.**

Grade: 12
Credit: ½ each

INTRO. TO DESIGN

Prerequisite: none
Course length: 1 term
Students in this course will learn the basic principles of industrial design. Students will learn a problem solving and design process and apply the process in developing solutions for various real life related problems. Students will learn computer research and documentation skills.

Grade: 9-10
Credit: ½

DESIGNING INDUSTRIAL SYSTEMS

Prerequisite: any of the following – Intro. to Design, Intro. to Computer Aided Drafting, Small Engines, Computer Graphic Communications, Metals I, or Woodworking
Course length: 1 term
Students in this class will use a design process and work as teams to develop solutions to an industrial design problem. Students may be designing solutions for products to be used in competitions sponsored by the MTEA (Supermileage, Solar Boat, Tech Challenge, etc.). Students may use the designs to construct projects and participate in one of these competitions.

Grade: 11-12
Credit: ½

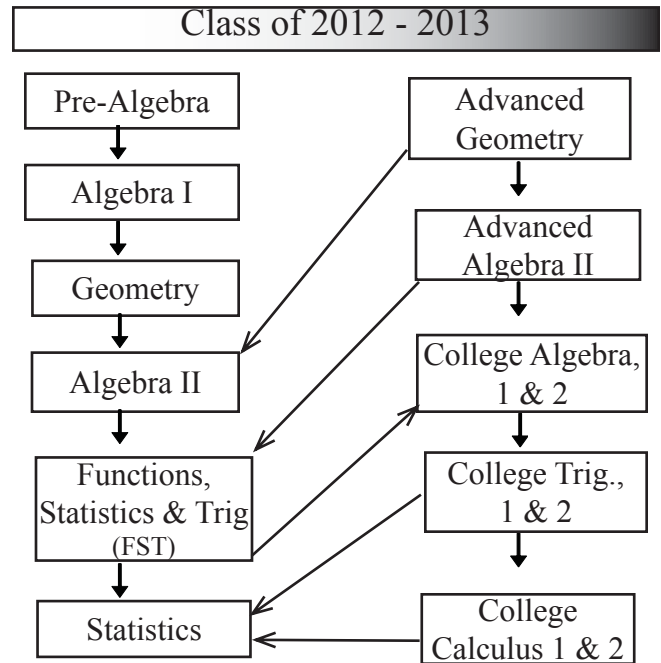
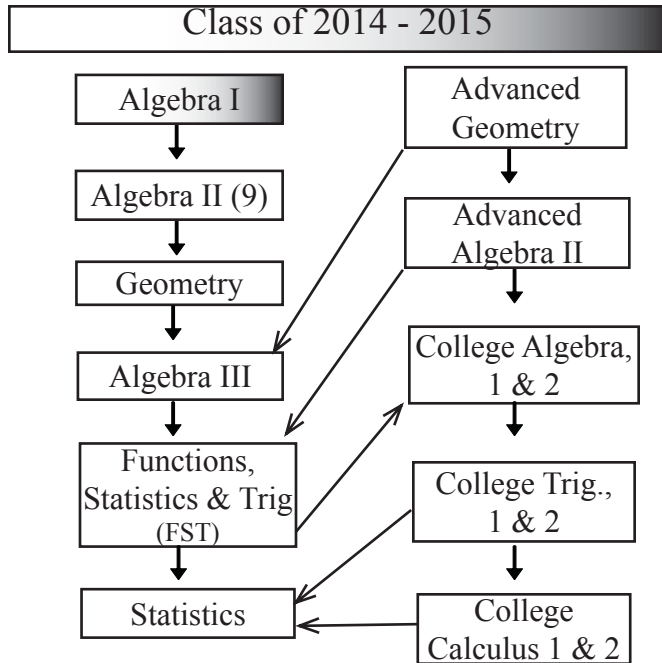


COMPUTER GRAPHIC COMMUNICATIONS

Prerequisite: none
Course length: 1 term
Students in this course will be introduced to various computer graphic applications. Students will demonstrate the elements and principals of design in creating original graphic designs. Instruction in Adobe Illustrator and Adobe PageMaker will be used to assist students to create computer generated graphics. Students will also learn to use design software to produce vinyl adhesive decals.

Grade: 10-12
Credit: ½

Math



NOTE: Students in the class of 2015 and beyond who take Pre-Algebra and/or Algebra I at the high school level, will receive elective credit only for these courses. These courses do not count toward the math graduation requirement.

Course Offerings:

- Algebra I, 1 and 2
- Algebra II, 1 and 2
- Geometry, 1 and 2
- Functions, Statistics and Trigonometry (FST), 1 and 2
- Advanced Geometry, 1 and 2
- Advanced Algebra II, 1 and 2
- College Algebra, 1 and 2
- College Trig. 1 and 2
- College Calculus, 1 and 2
- Statistics, 1 and 2
- Math Lab
- GRAD Math

NCAA

ALGEBRA I, 1 & 2

Prerequisite: Teacher's recommendation Grade: 9
 Course length: 2 terms Credit: ½ each
 In this course students will explore various topics in algebra such as, patterns, equations, proportions, linear functions and probability. Non-linear functions will be introduced, but the emphasis will be on linear functions.

NCAA

ALGEBRA II (9), 1 & 2

Prerequisite: Passing Grade in Algebra I Grade: 9
 Course length: 1 term each Credit: ½ each
 Students will cover linear equations, functions, systems of equations, quadratic functions, exponential equations, radicals and probability. This course will revisit linear functions from Algebra I, but will emphasize non-linear functions.

NCAA

GEOMETRY, 1 & 2

Prerequisite: Passing Grade in Algebra II (9) or Algebra I Grade: 10 – 12
 Course length: 2 terms Credit: ½ each
 In this course students will work with properties of parallel lines, formulate geometric proofs, work with quadrilaterals, circles, congruent shapes, similar shapes and right triangles.

NCAA

ALGEBRA II, 1 & 2

Prerequisite: Passing grade in Geometry Grade: 10-12
 Course length: 1 term each Credit: ½ each
 Students will cover linear equations, functions, systems of equations, quadratic functions, exponential and logarithmic functions, radicals, probability and trigonometry. This course will revisit linear functions from Algebra I but will emphasize non-linear functions.

Math (continued)

NCAA

ALGEBRA III, 1 & 2

Prerequisite: Passing Grade in Geometry Grade: 10 – 11
Course length: 1 term each Credit: ½ each
In this course students will get a brief review of the topics covered in Algebra I. Students will explore the topics of probability and statistics in greater depth. They will also explore quadratic functions and linear functions in depth.

NCAA

FUNCTIONS, STATISTICS & TRIGONOMETRY (FST), 1 & 2

Prerequisite: Passing grade in Algebra II Grade: 10 – 12
Course length: 1 term each Credit: ½ each
Students will study a wide variety of topics to prepare them for college-level courses and technical training. The topics will include, trigonometry and its applications, probability, functions and advanced problem solving.

NCAA

ADV. GEOMETRY, 1 & 2

Prerequisite: Teacher recommendation Grade: 9
Course length: 1 term each Credit: ½ each
This course is for students on the accelerated track. In this course, students will work with properties of parallel lines, formulate geometric proofs, work with quadrilaterals, circles, congruent shapes, similar shapes and right triangles.

NCAA

ADV. ALGEBRA II, 1 & 2

Prerequisite: Grade of C or higher in Adv. Geometry Grade: 10
Course length: 1 term each Credit: ½ each
Students will explore the real and complex number systems, equations, inequalities, polynomials, rational expressions, exponential and quadratic functions. Students completing this course with a C or higher should be prepared for the college-level courses.

NCAA

STATISTICS, 1 & 2

Prerequisite: Grade of C or higher in FST or college math courses Grade: 11 – 12
Course length: 1 term each Credit: ½ each
Students will cover the major tools for collecting, analyzing and drawing conclusions from data. Topics include exploring data, planning a study, anticipating patterns and statistical inference. The goal of this course is to prepare students for the Advanced Placement Statistics exam in May. A graphing calculator is required. Students may take this concurrently with College Trigonometry or College Calculus.

NCAA

COLLEGE ALGEBRA, 1 & 2

Prerequisite: grade of B- or higher in Adv. Alg. II or FST & meeting concurrent enrmt. requirements Grade: 11 – 12
Course length: 1 term each Credit: ½ each
Students who successfully complete this course earn 4 college credits. Students learn the algebraic skills and concepts needed for success in advanced courses of math, science and business. Topics included are equations, inequalities, functions, polynomials, rational functions, exponential and logarithmic functions, and sequences. A graphing calculator is required. This is a fall course.

NCAA

COLLEGE TRIG., 1 & 2

Prerequisite: college grade of C or higher in Coll. Alg. & meeting concurrent enrmt. requirements Grade: 11 – 12
Course length: 1 term each Credit: ½ each
Students who successfully complete this course earn 3 college credits. Students will learn trigonometric topics. The topics will cover trigonometric functions, identities, solving triangles, probability and conic sections. A graphing calculator is required. This is a spring course.

NCAA

COLLEGE CALCULUS, 1 & 2

Prerequisite: college grade of C or higher in Coll. Trig. & meeting concurrent enrmt. requirements Grade: 12
Course length: 1 term each Credit: ½ each
Students who successfully complete this course earn 5 college credits. Students will be expected to master the following skills: limits and continuity, derivatives, differentiation rules, integrals and anti-derivatives, applications of integrals including areas and volumes. A graphing calculator is required.

MATH LAB

****DO NOT SIGN UP FOR THIS CLASS****

Prerequisite: Teacher's recommendation Grade: 9-12
Course length: 1 term Credit: ½ each
Students will prepare for the MN Comprehensive Assessment (MCA) Math test. They will review topics in Number Sense, Algebra, Statistics, Probability, and Geometry and Measurement. This course will also focus on test taking strategies and vocabulary related to the MCA test. Students will be awarded elective credit.

GRAD MATH

****DO NOT SIGN UP FOR THIS CLASS****

Prerequisite: Teacher's recommendation Grade: 12
Course length: 1 term Credit: ½ each
Students will remediate for the MN Comprehensive Assessment (MCA) Math test. Students will be reviewing topics in Number Sense, Algebra, Statistics, Probability, and Geometry and Measurement. This course will also focus on test taking strategies and vocabulary related to the MCA test. Students will be awarded elective credit.

Music

Course Offerings:

Concert Band, 1-4
Symphonic Band, 1-4
CL Wind Ensemble, 1-4
Jazz Band, 1-4
Advanced Music Study
Summer Marching Band
Select Choir, 1-4
Womens' Choir 1-4
Stage Choir, 1-4
Jazz History
Class Piano
Guitar 1



CONCERT BAND, 1 - 4

Prerequisite: successful completion of audition Grade: 9
Term length: 4 terms Credit: 1/4 each

Designed for the developing high school musician, the Concert Band performs early high school level repertoire. During the current school year, students will participate in the MSHSL solo and ensemble contest. Students will develop technical proficiency, musical independence, and social maturity. The Concert Band typically attends at least one band festival or contest. The Concert Band usually performs three evening concerts per school year, and attendance at all performing events is required.

SYMPHONIC BAND, 1 - 4

Prerequisite: successful audition Grade: 10
Course length: 4 terms Credit: 1/4 each

Designed for the advancing high school musician, the Symphonic Band performs middle level high school repertoire. During the current and previous school year, students will participate in the MSHSL solo and small ensemble contest. Students must demonstrate technical proficiency, musical independence, and social maturity. The Symphonic Band typically attends at least one band festival or contest. The Symphonic Band usually performs three evening concerts per school year, and attendance at all performing events is required.

CL WIND ENSEMBLE, 1-4

Prerequisite: successful completion of audition Grade: 11-12
Course length: 4 terms Credit: ¼ each

Designed for the very advanced high school musician, the Wind Ensemble is the premier performing instrumental group at Chisago Lakes High School. Students must audition and have permission from the director in order to participate in this group. During the current and previous school year, students must earn an excellent or superior rating on a solo or small ensemble at the MSHSL solo & ensemble contest. Students must demonstrate advanced technical proficiency, strong musical independence, and social maturity. Typically, the Wind Ensemble performs advanced high school and early college level repertoire. The Wind Ensemble attends numerous band festivals and contests. The Wind Ensemble usually performs four evening concerts per school year, and attendance at all performing events is required.

JAZZ BAND, 1-4

Prerequisite: successful audition Grade: 11-12
Course length: 4 terms Credit: ¼ each

Designed for the advanced Jazz musician, the stage band is the top jazz ensemble at CLHS. Students must audition for this ensemble. The stage band will attend major jazz festivals and contests and usually performs 3-5 major concerts including the Variety Show during the school year. Attendance at all performing events is required.

SUMMER MARCHING BAND

Prerequisite: approval from director Grade: 9-12
Course length: June-October Credit: ¼

Membership in summer marching band is open to all incoming 9th through 12th grade band and choir students. Skills for street and field show marching will be stressed. The summer marching band season begins once school is out in June, and runs through the beginning of October. The marching band performs at all home football games in the fall. Band members are able to earn course credit and awards based upon active participation. Students may take this course for ¼ credit or no credit.

ADVANCED MUSIC STUDY

Prerequisite: instructor approval Grade: 10-12
Course length: 1 term (term 2 to align with Music Listening contest & Solo/Ensemble) Credit: ½

Students will have the opportunity to choose the avenue they would like to pursue in this class. The options are 1. Music Theory; 2. Solo & Ensemble preparation; 3. Classical Music Listening Contest.

Music (continued)

JAZZ HISTORY: THE FIRST 100 YEARS

Prerequisite: none
Course length: 1 term

Grade: 10-12
Credit: ½

This course will explore the first 100 years of Jazz music, starting at its roots in the early 19th century. Students will learn to identify different styles of jazz music from early jazz, swing and bebop, to jazz rock and jazz funk fusion. Students who register for this course should have the desire to learn and listen to music, as a large part of this course will be dedicated to listening and understanding different styles of jazz.

SELECT CHOIR, 1-4

Prerequisite: audition
Course length: 4 terms

Grade: 9-12
Credit: ¼ each

Enrollment in this mixed choir is based on auditions. Every effort will be made to select students with strong musical ability in the areas of intonation, sight-reading, tonal quality, and working attitude. The choir will rehearse and/or perform music from a wide variety of periods, styles, and cultures. Select Choir performs at the Holiday Concert, the Spring Concert, and Graduation. Members of Select Choir are eligible to participate in the All Conference Choir, Region 7AA Large Group Choir Competition, Region 7AA Solo/Ensemble Competition and other festivals and field trips. Private voice lessons are strongly recommended and members should be interested in refining their personal and group vocal skills. All members must accept responsibility for attending all daytime or evening performances and Large Group Competitions.

WOMENS' CHOIR, 1-4

Prerequisite: none
Course length: 4 terms

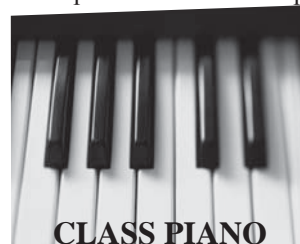
Grade: 9-12
Credit: ¼ each

The Women's Chorus is open to girls grades 9-12. The chorus will perform at the Holiday Concert, the Spring Concert, and at Region 7AA and Conference events including the MSHSL Large Group Choir competition. A variety of quality literature will be chosen for the choir from the Renaissance Era to Contemporary Era. Every effort will be made to select music from a variety of styles such as: Baroque, Classical, Romantic, Folk, Pop and Broadway. One purpose for the chorus will be to assure that all talented girls in our school have the opportunity to be members of a singing organization that develops self-esteem, camaraderie, and a spirit of cooperation while studying our rich heritage of choral music.

STAGE CHOIR, 1-4

Prerequisite: audition and must also be enrolled in select choir
Grade: 9-12
Course length: 4 terms
Credit: ¼ each

Members of select choir may audition for and become members of stage chorus. This is a group of no more than 20 singers which perform jazz and popular music especially arranged for vocal groups. Emphasis is placed on vocal ability and showmanship. Choreography is added when appropriate. The stage chorus sings at all choir concerts, co-hosts the variety show, and sings at various community functions. The group will attend at least one Swing Choir Festival or clinic per year. Members of the stage chorus are required to purchase their own performance attire.



CLASS PIANO

Prerequisite: none
Course Length: 1 term

Grade: 9-12
Credit: 1/2

This course is group piano instruction for students with little or no previous keyboard experience. The students will learn fundamental keyboard skills as well as basic reading and music fundamentals. We will cover basic playing techniques, musical notation, rhythm and tonal patterns. Class size is limited to 12 students.



GUITAR 1

Prerequisite: Students must provide their own acoustic six string guitar with nylon or steel strings.
Grade: 10-12
Course Length: 1 term
Credit: 1/2

This is a basic beginning guitar class where students with minimal to no experience will learn how strum chords, learn and name parts of the guitar, tune by pitch matching, read and recognize musical symbols, and will play weekly assignments individually or in small groups. The class will culminate with a recital. There is a class fee for the purchase of books.

Special Instructions for Music Students

A number of “half block – skinny courses” are available to music students who would like 8 credits. If you want a half block study hall, do not sign up for these courses.

*****Registration in the half-block courses (skinnies) is limited.*****

→ **Students are not guaranteed enrollment in these classes.** ←

Please read carefully. You must use special course numbers for these skinny classes. However, do not sign up for these courses unless you would like 7.5-8.0 credits.

BAND STUDENTS

Freshmen

Ninth graders in Concert Band who would like to register for 7.5 credits can sign up for the Career Pathways skinny terms 1 & 2.

Ninth graders in Concert Band who would like to register for 8.0 credits can sign up for the Computer Applications I skinny or Personal Money Management skinny (choose one) terms 3 & 4.

Sophomores

Tenth graders in Symphonic Band who would like to register for 7.5 credits can sign up for the Small Business skinny or Business & Personal Law skinny (choose one) terms 1 & 2.

Tenth graders in Symphonic Band who would like to register for 8.0 credits can sign up for Personal Money Mgmt. skinny or Computer Applications I skinny (choose one) terms 3 & 4.

Juniors

Junior band students in CL Winds who would like to register for 7.5 credits can sign up for the US History III skinny terms 1 & 2.

Junior band students in CL Winds who would like to register for 8.0 credits can sign up for the Government in Action or Social Problems skinny (choose one) terms 3 & 4.

CHOIR STUDENTS



Freshmen in Womens' Choir

If you are taking Womens' Choir and would like to register for 8 credits, sign up for the English 9 skinny.

Students enrolled only in Select Choir

Select choir students (11th graders only) who would like to register for 7.5 credits can sign up for the US History III skinny terms 1 & 2.

Select choir students who would like to register for 8.0 credits, can sign up for the Government in Action skinny (gr. 11 only) terms 1 & 2 or Social Problems (grades 9-12) skinny (choose one) terms 3 & 4.

Other Course Electives

HEALTH CARE 1 & 2

Prerequisite: none
Course Length: 2 terms
Students must register for both sections (I & II) of this course. Final registration will be conducted at a parent information meeting. Chisago Lakes High School, in partnership with Fairview Lakes Regional Health Care and Margaret S. Parmly Residence, offers this two-term class for students who might be considering a medical career (nurse, physician, physical therapist, medical technologist, health aide, chiropractor, etc.) The course will provide hands-on medically related experiences along with an introduction to medical language to help students make career direction decisions. Students completing all requirements will be eligible to take the Minnesota Nursing Assistant Competency exam that is often a required prerequisite in health care occupations. Students are expected to complete 20 hours of clinical work at Parmly Residence. In order to meet the student's needs, this experience will be completed in four 5-½ hour blocks of clinical time after school hours.

Grade: 11-12
Credit: ½ each

JOURNALISM FUNDAMENTALS

Prerequisite: none
Course Length: 1 term

Grade: 9-12
Credit: 1/2

Journalism Fundamentals is designed to teach students skills in journalistic writing, layout and design, and digital photography. Writing headlines and articles, copy editing, and catchy design methods are just a few of the skills students can acquire in this class. In addition, students will learn marketing skills and the principles of running a small business by learning how the school yearbook is designed, created and sold.

Bringing a camera (preferably digital) to this class every day is required. Bringing a personal laptop to this class is encouraged, if possible.

Journalism Fundamentals is required for students who want to be a part of the CLHS yearbook staff. The course will prepare students to excel as staff members.

You do NOT need to be on the yearbook staff to take the class.

YEARBOOK STAFF 1-4

Prerequisite: application
Course Length: 1 term each

Grade: 9-12
Credit: ¼ each

Students must be highly committed to be a part of the yearbook staff. Students will be responsible for producing and marketing the school yearbook. The work schedule will be planned individually with the yearbook advisor. Work is completed individually online during and outside the school day. Credit is awarded for work completed. Yearbook staff meets weekly during PAWZ.

ELEMENTARY VOLUNTEER

Prerequisite: see your counselor for eligibility criteria and an application
Course Length: 1 term

Grade: 11-12
Credit: ¼ each

Students enrolled in this course have the opportunity to volunteer in an elementary school classroom. This is an excellent course for students interested in a career in elementary education, child care or wanting to give back to their community. Student responsibilities are assigned by the classroom teacher and may include:

- correcting papers
- reading with individual students
- filling homework/communication folders
- working with students on projects
- assisting teacher with daily duties/activities

* *Students are responsible for their own transportation to the elementary school.*

Physical Education and Health

Course Offerings:

Phy. Ed. 9
Phy. Ed. 10
Health
Lifesaving & Lifeguarding
Advanced Fitness & Activities

Note: *Students must complete 1 term of required physical education in grades 9 and 10.*

PHYSICAL EDUCATION 9

Prerequisite: none
Course length: 1 term

Grade: 9
Credit: ½

Students will demonstrate knowledge and skill in a variety of activities. Activities include team sports, individual and dual sports, lifetime fitness and recreational activities. Students must successfully complete the swimming unit. Students are required to complete written work in most units. Appropriate dress is required.



PHYSICAL EDUCATION 10

Prerequisite: Phy. Ed. 9
Course length: 1 term

Grade: 10
Credit: ½

A variety of assessments will be used to determine current fitness levels. Throughout the quarter cardiovascular and strength exercises and a variety of activities will be used to enhance personal fitness levels. At the end of the quarter students will post test and evaluate their results in a written assessment paper.

HEALTH

Prerequisite: none
Term length: 1 term

Grade: 10
Credit: ½

This course is a required course for 10th grade students. It will enable students to use information to make choices and decisions that will lead to an informed, healthy lifestyle. Topics covered include wellness and decision making, nutrition, body systems, first aid and CPR, stress and suicide, alcohol, drugs and tobacco, STDs, HIV, contraceptives, and abstinence.



LIFESAVING & LIFEGUARDING

Prerequisite: Candidates must be 16 years or older, able to swim 500 yards (20 lengths) continuously, dive and swim underwater, perform front and back crawl, elementary back, breast, and side strokes, properly.

Grade: 11-12
Credit: ½

Successfully completing the courses will result in American Red Cross certification. Persons applying for jobs at camps, lake water fronts, swimming pools or water parks are required to have these certifications.

ADVANCED FITNESS & ACTIVITIES

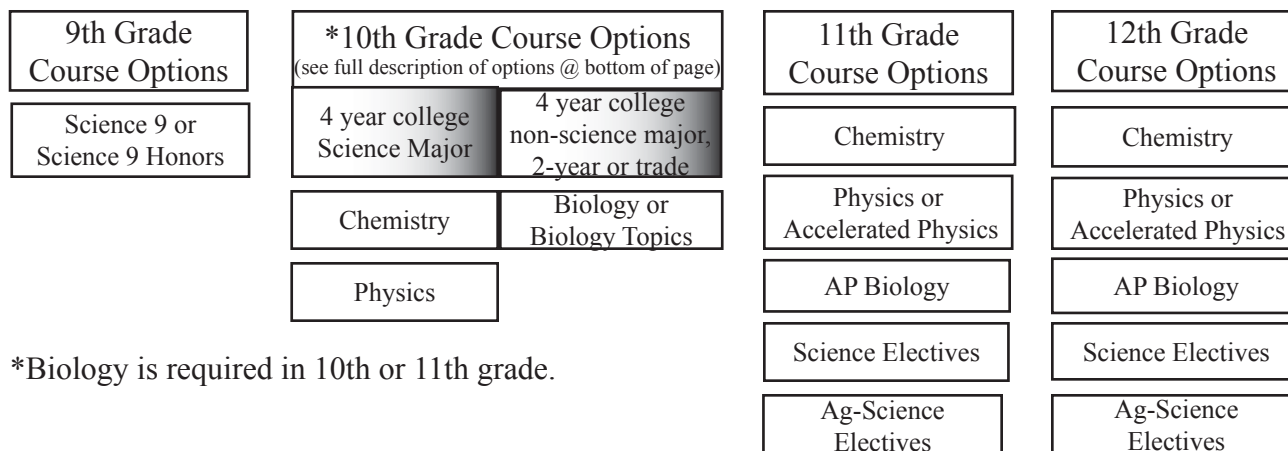
Prerequisite: Students must have completed 9th and 10th grade phy. ed. with a passing grade.

Grade: 11-12
Credit: ½

Course length: 1 term
This class will be focused primarily on fitness. A variety of cardiovascular activities and weight training will be done regularly. Written assignments will be required in this class. Tests to determine knowledge and ability will be part of the grading.

Science

Grades 9-12 Flow of Coursework for 2011-12 School Year



*Biology is required in 10th or 11th grade.

Required Science Courses 2012-2014

- 1 credit of Science 9
- 1 credit of Biology
- 1 credit of elective Ag-Science or Science

Science Electives:

- College Anatomy and Physiology
- Astronomy
- Meteorology
- MN Geology

Required Science Courses for 2015

- 1 credit of Science 9
- 1 credit of Chemistry
- 1 credit of Biology

The following Ag-Science courses are available for Science credit for the classes of 2012, 2013 and 2014:

- Forest Resource Management
- Fisheries and Wildlife Management
- Environmental Science
- Plant Science
- Large Animal Science

Recommended Courses Based on Post High School Plans

4 Year College or University	Training After High School	High School Diploma
Science 9	Science 9	Science 9
Biology or Chemistry or Physics	Biology or Biology Honors	Biology or Biology Topics
Biology or Chemistry or Physics	Chemistry or Physics	1 year of science electives
Accelerated Physics, AP Biology, choice of science electives	AP Biology or choice of science electives	

- Depending on your choice of training after high school or your major in a 4 year college, the combination of courses you take may be different than the sequence listed above. Please meet with your counselor to choose the best sequence for you. New for the class of 2014, students may register for chemistry or physics their 10th grade year and take Biology or AP Biology as juniors.

Science (continued)

NCAA

SCIENCE 9, 1 & 2

Prerequisite: none

Grade: 9

Course length: 2 terms

Credit: ½ each

Why do astronauts float when in space? Not because there's no gravity! Are black and white colors? Why is sand on the beach hot compared to the water in the afternoon, but cold compared to the water at night? Why do you bend your knees when landing from a jump? In 9th grade science you will learn concepts that explain how things you experience everyday work. More importantly, you will learn how to do science. Science is a process, a method for solving problems. Physics is the most basic of all the sciences so physics will be the main focus of this class. With this as a foundation, you will be better prepared for success in the other areas of science you will study.

NCAA
pending

SCIENCE 9 HONORS, 1 & 2

**** DO NOT SIGN UP FOR THIS CLASS ****

Students will be selected based upon data collection and instructor/administrative placement.

Course length: 2 terms

Grade 9

Credits: ½ each

This rigorous course is designed for highly motivated students who choose to pursue an accelerated and academically challenging, in-depth study of physical science. Students must be self motivated learners with outstanding reading, writing and math skills. An in-depth math based consideration of the following topics will take place. In Science 9 Honors, you will learn concepts that explain how things you experience everyday work. More importantly, you will learn how to do science. Science is a process, a method for solving problems. Physics is the branch of science that is the most basic. Physics will be the focus of this class. With this as a foundation, you will be better prepared for success in the other areas of science you will study.

NCAA

BIOLOGY 1 & 2

Prerequisite: none

Grade: 10

Course length: 2 terms

Credit: ½ each

Students will learn the steps of the scientific method through studies of lab data and laboratory assessment. Students will research and present information on a historical aspect of biology or present a biological account of a scientist. This course covers a wide variety of topics including the study of life, organic chemistry, the cell, respiration, photosynthesis, mitosis, meiosis, heredity, genetic engineering, evolution, animal behavior, and ecology. Instruction will include the use of lectures, homework, readings, labs and projects.

BIOLOGY TOPICS 1 & 2

Prerequisite: none

Grade: 10-12

Course length: 2 terms

Credit: ½ each

Students not placed in biology may meet the state standard for biological concepts by successfully completing these two terms. This course offers guided activities that investigate such topics as cell theory, animal body systems, and interactions within ecosystems.

NCAA

CHEMISTRY 1 & 2

Prerequisite: a minimum of a B average in Science 9 and completion of Algebra I and enrollment in Algebra II and/or

Geometry is recommended

Grade: 10-12

Course length: 2 terms

Credit: ½ each

Students will conduct experiments and test hypotheses to analyze data and form conclusions. Lab journals will be an integral part of the class. Chemistry is the study of matter and its changes. Starting with atomic theory and the periodic table, students build an understanding of chemical bonding, balancing reactions, solutions, kinetic theory and acid-base reactions through lab observations and the study of major scientific advances of historical significance.

NCAA

PHYSICS 1 & 2

Prerequisite: Geometry 1 & 2 for the classes of 2012 and 2013 and Adv. Geometry for the class of 2014

Grade: 10-12

Course length: 2 terms

Credit: ½ each

How do airplanes fly? Why are sunsets red? General Physics is a class for anyone interested in a general understanding of the natural events that happen around us everyday, **but do not wish to undertake the rigorous mathematical approach to physics problem solving.** Topics covered include motion, forces, energy, sound, light, and electricity. Learning takes place through a variety of activities including demonstrations, group work, experimentation, and discussion.

Science (continued)

NCAA

ACCELERATED PHYSICS 1 & 2

Prerequisite: completed Algebra II

Grade: 11-12

Course length: 2 terms

Credit: ½ each

This is a rigorous time intensive two term course.

How do airplanes fly? Why are sunsets red? Accelerated physics is a class for anyone interested in a complete understanding of the natural events that happen around us everyday, ***including the rigorous mathematical approach to physics problem solving***. Topics covered include motion, forces, energy, sound, light, and electricity. Learning takes place through a variety of activities including demonstrations, group work, experimentation, and discussion.

NCAA

AP BIOLOGY 1 & 2

Prerequisite: successful completion of Biology I & II; Chemistry or concurrent enrollment in Chemistry is recommended; taking Anatomy and Physiology is also recommended

Grade: 11-12

Course length: 2 terms

Credit: ½ each

This is a rigorous time intensive two term course! AP Biology

is a **college level biology** course allowing students the possibility of earning college credit while in high school. This course takes an in-depth look at the amazing cell biology, genetics, metabolism, structure and function of microbes, plants and animals. We will also study the evolution of life and the ecological relationships of organisms. We will learn by lecture, discussions, class projects and dissections. Reading scientific articles and books and viewing videos enhances the connection of science to the real world.

NCAA

ANATOMY & PHYSIOLOGY

Prerequisite: B or higher in Biology & meeting concurrent enrollment requirements

Successful completion or concurrent enrollment in Chemistry is recommended.

Grade: 11-12

Course length: 2 terms

Credit: ½ each

If you are considering a career in the medical field, or just interested in how the human body works, this course is for you! Anatomy and Physiology is a **college course** that will explore how the human body systems work to maintain homeostasis. We will study cell biology, body organization, tissues, the integumentary system, the skeletal system, the muscular system and the nervous system. Students are expected to explain how structure is related to the function of each system. We will also investigate the impact of multiple diseases on each body system that we cover. Class will consist of lectures, discussions, case studies, videos and lab work. Students will be assessed using homework, quizzes, labs and tests. **Concurrent enrollment with Lake Superior College 5 credits. This course mirrors the Cell Biology and Anatomy and Physiology I at Lake Superior College. Students earning a satisfactory grade will receive college credit.**

NCAA

METEOROLOGY

Prerequisite: satisfactory completion & at least a C in Science 9

Grade: 10-12

Course length: 1 term

Credit: 1/2

The weather, more than any other phenomena on Earth has influenced and continues to influence the course of daily life. If you want to learn more about weather, this is the course for you. The course will explore aspects of the atmosphere, pressure, precipitation, thunderstorms, tornadoes, hurricanes, and other weather phenomenon. It will also explain wind, climate, and temperature. This course will make use of a textbook, lecture, labs and projects which will allow students to demonstrate a well rounded understanding of the subject matter.

NCAA

MINNESOTA GEOLOGY

Prerequisite: C or better in Science 9 and 10th grade science class

Grade: 11-12

Course length: 1 term

Credit: 1/2

Ever wonder why we don't have volcanoes in Minnesota? Or why you can't dig for gold in your backyard? Did you know Minnesota used to be covered in lava flows and glaciers? This class will let you investigate why. We will investigate why and how various Minnesota landscapes are here and where the best place to find fossilized critters are in your neighborhood! Classifying sedimentary rocks, understanding geological processes and interpreting Minnesota landscapes will be emphasized. Class may include field trips to local geological "hot-spots".

NCAA

ASTRONOMY- Exploring the Universe

Prerequisite: completion of Science 9

Grade: 10-12

Course length: 1 term

Credit: 1/2

This class is for highly-motivated students who are willing to take their learning experiences above and beyond the classroom setting. To understand their universe, students must understand how basic physical processes determine the largest and the smallest details of the cosmos. Some topics focused on in the class include: the origin of astronomy, cycles of objects in the sky, star classification and characteristics, and stellar evolution. Among the requirements, students will need a strong mathematics background, and will need to attend night time observation sessions, and complete labs and activities -- at home and online -- throughout the term.

Social Studies

Course Offerings:

Grade 9

*World History 1 & 2

Grade 10

*US History I, II

Grade 11

*US History III

*Government in Action

Grade 12

*Economics

Social Studies Elective

* Required course

Electives

A.P. US History 1, 2, 3

College Sociology

General Psychology

College Psychology I & II

World Conflicts of the 20th Century

Social Problems

Women's History

Wild, Wild West: The History of the American West

War in History, Literature & Film

One credit of social studies must be completed each year.

NCAA

WORLD HISTORY 1 & 2

1 = Early civilizations until the Romans

2 = Romans through Explorations

Prerequisite: none

Grade: 9

Course length: 2 terms

Credit: ½ each

This course will examine the development of early human civilizations by looking at their growth and development throughout the world's regions. Some topics of study will include geography's role in the growth of civilizations, technology and our common history as a global community.

NCAA

US HISTORY I:

Prerequisite: none

Grade: 10

Course length: 1 term

Credit: ½

This course will examine the history of the United States from its origins through the first half of the 19th century. Topics covered include the American Revolution, Western Expansion, and the Civil War.

NCAA

US HISTORY II

Prerequisite: US History I

Grade: 10

Course length: 1 term

Credit: ½

This course will examine the history of the United States during the late 19th century and the first part of the 20th century. Topics covered include the Industrial Revolution and Immigration, The Progressive Era, World War I, and the Great Depression.

NCAA

US HISTORY III

Prerequisite: US History II

Grade: 11

Course length: 1 term

Credit: ½

This course will cover the history of the United States from 1940 – present. Some of the topics covered will include: World War II, The Cold War, The Civil Rights Era, The Vietnam War, the 1970s & 1980s, and the early Twenty-First Century.

NCAA

GOVERNMENT IN ACTION

Prerequisite: none

Grade: 11

Course length: 1 term

Credit: ½

Government In Action examines the traditions behind democracy, as well as the make-up and operation of our federal, state and local governments. The course will also look at the citizen's role in government and society.

NCAA

SOCIAL PROBLEMS - Your World Today

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

This course will examine issues that face our world and nation. We will investigate the cause and effect relationship of a variety of topics that will help students examine their role in creating solutions for our society. Historical and modern perspectives will be utilized.

NCAA

WOMEN'S HISTORY

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

This course is designed to provide a survey and analysis of the historical experiences of women in the United States from colonization to the present in order to aid students in understanding the contemporary situation of women in American society. Topics of study will include the social construction of gender, class, women activists in the past, and the current social change movement in the United States.

Social Studies (continued)

NCAA

WORLD CONFLICTS OF THE 21ST CENTURY

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

Why do wars and conflicts on the other side of the world matter? What role does our country have in these conflicts? Can they be peacefully resolved? This history course will focus on several current world conflicts. The information presented will include an in-depth look at the past and present of each conflict. Also covered are the obstacles and implications so one can understand what is at stake and what it means for the rest of the world. The conflicts that will be covered include: AFGHANISTAN, DARFUR, IRAQ, JAMMU AND KASHMIR, KOREAN PENINSULA, PALESTINIAN TERRITORIES.

NCAA

WILD, WILD WEST

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

The History of the American West. Traces major themes in the history of the land between the Mississippi River and the Pacific Coast. Students will use primary documents and secondary materials to discover the race, class, and gender issues that shaped the American West.

NCAA

A.P. US HISTORY 1, 2, 3

Prerequisite: none

Grade: 10-12

Course length: 3 terms

Credit: 1/2 each

This is a rigorous time intensive three term course designed to be the equivalent of an introductory college history course. Students should be prepared to commit considerable time and effort developing their reading, writing, and analytical skills. At the end of this course students may elect to take the A.P. History exam for an opportunity to receive college credit.

NCAA

COLLEGE SOCIOLOGY

Prerequisite: meeting concurrent enrollment requirements

Grade: 11-12

Course length: 1 term

Credit: ½

Concurrent Enrollment w/Lake Superior College 3 credits.

This is an introduction to the scientific study of human behavior in groups and the social forces that shape society. Special attention is given to the application of sociological ideas and analysis. Topics include methods of research, major sociological theory, culture, socialization, group dynamics and interaction, deviance, social stratification, and social institutions such as the family.

NCAA

PSYCHOLOGY

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

Psychology is the science concerned with behavior and mental processes. Psychology deals with environmental, biological, social and individual forces that help to describe, explain, predict, and control behavior. This course presents a broad survey of basic concepts, issues, theories, classic experiments, and new discoveries in the field of psychology.

NCAA

COLLEGE PSYCHOLOGY, 1 & 2

Prerequisite: meeting concurrent enrollment requirements

Course length: 2 terms

Grade: 11-12

Credit: 1 credit

Concurrent Enrollment w/Lake Superior College 3 credits.

This course is a college level Introduction to Psychology course. It mirrors the Psych 1110 course offered by Anoka-Ramsey Community college. Students earning a satisfactory grade in this course will receive college credit. This course is a comprehensive introduction to psychology. The course examines the history of psychology, the brain, the senses, hypnosis, ESP, drugs, sleep, child and adult development, language, thinking (including critical thinking) and learning, motivation, emotion, social psychology, personality, human diversity, conflict and the diagnosis and treatment of emotional problems such as anxiety, schizophrenia, paranoia, depression, and suicide.

NCAA

ECONOMICS

Prerequisite: none

Grade: 12

Course length: 1 term

Credit: ½

Students will complete a one term study of the principles, concepts and applications of general economic systems. Major themes of study will include basics of economic principles, microeconomics, macroeconomics and international economics. In addition students will understand how households, business and government interact with one another in the economic cycle.

NCAA

WAR IN HISTORY, LITERATURE AND FILM

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

Students may take this course as an elective in either English or Social Studies. This course will focus on several wars through history (nonfiction), literature (novels) and film. We will study the effect of the media, both news and feature films, on the public's perception of war. This course will also include the reading of several novels and short works of fiction.

Notes...